



SPLIT-TYPE AIR CONDITIONERS

Wrap Yourself in Comfort and Quiet Eco-conscious Technologies from Japan

Full Product Line Catalogue 2024



Environmental Sustainability Vision 2050

Environmental Declaration

Protect the air, land, and water with our hearts and technologies to sustain a better future for all.



Environmental Sustainability Vision 2 0 5 0

To solve various factors that lead to environment issues, the Mitsubishi Electric Group shall unite the wishes of each and every person, and strive to create new value for a sustainable future.

Three Environmental Action Guidelines

Apply diverse technologies in wide-ranging business areas to solve environmental issues

1

Challenge to develop business innovations for future generations

Publicize and share new values and lifestyles

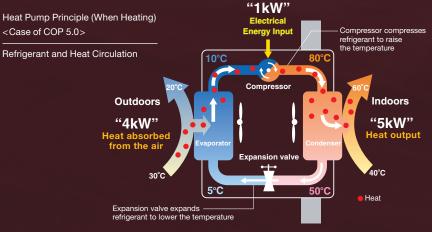
Key Initiatives

- Climate Change Measures - Resource Circulation
- Live in Harmony with

Nature

- Long-term Activities Innovation - Nurturing Human Resources
- Understanding Needs
- Co-create and
- **Disseminate New Values** - Live in Harmony with the Region

Heat pump technology inspires Mitsubishi Electric to design air conditioners that harmonize comfort and ecology.



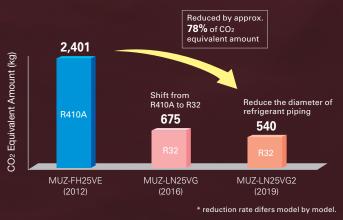


Mitsubishi Electric takes on the challenge of creating new value and contribute to a sustainable future in order to solve various environmental problems.

Preventing Global Warming

Mitsubishi Electric is actively introducing R32 refrigerant which has a global warming potential approximately 1/3 that of R410A refrigerant. Not only by shifting from R410A to R32 but by decreasing the diameter of refrigerant piping, we are also striving to reduce the amount of refrigerant usage. Throught these activities, we have achieved significant reduction in CO₂ equivalent amount compared to conventional models and realised minimizing the negative impact to the environment more than ever.

Reducing the amount of refrigerant usage



Effective use of materials (Reduce & Recycle)

- 1. Accelerating the downsizing technology to reduce material use while balancing energy saving performance.
- 2. Designing products that are easy to separate and recycle.
- 3. All models are designed for WEEE and RoHS (II) compliance.*

*WEEE and RoHS directive: The Waste Electrical and Electronic Equipment (WEEE) Directive is a recycling directive for this type for equipment, while the Restrictions of Hazardous Substances (RoHS) Directive is an EU directive restricting the use of ten specified substances in electronic and electrical devices. In the EU, it is no longer possible (from July 2019) to sell products containing any of the ten substances.

Balancing comfort and ecology

Mitsubishi Electric develops technologies to balance comfort and ecology, achieving greater efficiency in heat pump operation.

| | Comfort | Ecology |
|--|---|---|
| 1. Inverter | Faster start-up and more stable indoor temperature than non-inverter units. | Fewer On/Off operations than with non-inverter, saving energy. |
| 2. 3D i-see Sensor | Since the positions of people can be detected, airflow can be set to personal taste, such as in airflow path or protected from the wind. The ability to adjust to individual preferences realizes more comfortable air conditioning. | Since the number of people in a room can be detected, energy-saving operation is adjusted or the power is turned off automatically. Efficient air conditioning with less waste is realized. |
| 3. Flash Injection | Achieves high heating capacity even at low temperatures, plus faster start-up compared to conventional inverters. | Expands heat pump heating system to the cold regions to replace combustion heaters. |
| 4. Dual Barrier Coating Dual Barrier Material | Prevents the indoor unit from getting dirty, delivering you clean air. | Keeping the inside of air conditioner clean leads to efficient operation and energy saving. |

ONTENTS

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6

| New releases | 005-006 |
|--------------------------------------|-----------|
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| M SERIES | 011-054 |
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| R32 REFRIGERANT | 207-208 |
| LOSSNAY SYSTEM | |
| | 200 250 |

FEATURES & SPECIFICATIONS 209-250



New releases



LINE-UP

M SERIES

INVERTER Models

| Madel New | | 1.5kW | 1.8kW | 2.0kW | 2.2kW | 2.5kW | 3.5kW | 4.2kW | 5.0kW | 6.0kW | 7.1kW | Page |
|-------------------|---|---------|--|-----------------------------|--------------------------------------|-------------------|-------------------|---------------|------------------|-------------------|---------|-------|
| Model Nan | ne | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | i aye |
| | MSZ-RW VGHZ Series R32 R410A *1 | | | | | SINGLE | SINGLE | | SINGLE | | | 13 |
| | MSZ-LN Series | | W-V-R-B Multi connection only | | | W-V-R-B SINGLE | W-V-R-B SINGLE | | WV-R-B SINGLE | W-V-R-B SINGLE | | 17 |
| | MSZ-LN VGHZ Series (R32) (R410A)*1 | | | | | SINGLE | SINGLE | | SINGLE | | | 22 |
| | MSZ-AY series MSZ-AY25/35/42/50VGK(P) (R32) (R410A)*2 MSZ-AY15/20VGK(P) | SINGLE | | SINGLE | | SINGLE | SINGLE | SINGLE | SINGLE | | | 25 |
| | MSZ-AP series R32 R410A ¹¹ | | | | | | | | | SINGLE | SINGLE | 29 |
| Wall- mounted | MSZ-E Series R32 R410A ¹¹ | | W-S-B Multi connection only | | W-S-B Multi connection only | W-S-B SINGLE | WSB SINGLE | WSB SINGLE | WSB SINGLE | | | 33 |
| | MSZ-FT VGHZ Series | | | | | SINGLE | SINGLE | | SINGLE | | | 35 |
| | MSZ-BT Series | | | SINGLE | | SINGLE | SINGLE | | SINGLE | | | 37 |
| | MSZ-HR Series MSZ-HR25/35/42/50VF(K) | | | | | SINGLE | SINGLE | SINGLE | SINGLE | SINGLE | SINGLE | 39 |
| | MSZ-DW Series | | | | | SINGLE | SINGLE | | SINGLE | | | 41 |
| | MSY-TP Series | | | | | | SINGLE | | SINGLE | | | 43 |
| Comment | MFZ-KT Series | | | | | SINGLE | SINGLE | | SINGLE | SINGLE | | 45 |
| Compact floor | MFZ-KW Series | | | | | SINGLE | SINGLE | | SINGLE | SINGLE | | 47 |
| 1-way cassette | MLZ-KY20VG | | | Multi connection only | | SINGLE | SINGLE | | SINGLE | | | 49 |

*1: R410A is for PUMY connection. *2: R410A is for MXZ and PUMY connection.

H : Outdoor unit with freeze-prevention heater is available. W-S-B: Indoor units are available in three colours; White, Black and Silver. W-V-R-B: Indoor units are available in four colours; Natural White, Pearl White, Ruby Red, and Onyx Black.

Indoor Combinations

SINGLE 1 outdoor unit & 1 indoor unit TWIN 1 outdoor unit & 2 indoor units

TRIPLE 1 outdoor unit & 3 indoor units

QUADRUPLE 1 outdoor unit & 4 indoor units

S SERIES

INVERTER Models

| Model Nan | ne | 1.5kW 1-phase | 2.5kW 1-phase | 3.5kW 1-phase | 5.0kW 1-phase | 6.0kW 1-phase | 7.1kW 1-phase | 10.0kW | 12.5kW 1- & 3-phase | 14.0kW 1- & 3-phase | Page |
|----------------------------------|------------------------|-----------------------------|------------------|------------------|------------------|------------------|------------------|----------------|-----------------------------|------------------------|------|
| 2 x 2 cassette | SLZ Series (R32) R410A | Multi connection only | SINGLE | SINGLE | SINGLE | SINGLE | TWIN | TWIN TRIPLE | TWIN TRIPLE QUADRUPLE | TRIPLE QUADRUPLE | 57 |
| Compact ceiling- concealed | SEZ Series (R32) R410A | | * Single | * Single | * Single | * Single | SINGLE TWIN | TWIN TRIPLE | TWIN TRIPLE QUADRUPLE | TRIPLE QUADRUPLE | 62 |
| Concealed floor standing | SFZ Series (R32) | | SINGLE | SINGLE | SINGLE | SINGLE | | | | | 66 |

* Indoor units are available in two types; with or without the wireless remote controller.

P SERIES

Power Inverter Models / Standard Inverter Models

| Model Name | /lodel Name | | 5.0kW | 6.0kW | 7.1kW | 10.0kW | 12.5kW | 14.0kW | 20.0kW | 25.0kW | Page |
|-----------------------------|--|-------------|-------------|-------------|--------------------|-----------------|-----------------|--------------------------|-----------------------------|-----------------------------|-------|
| Woder Name | | 1-phase | 1-phase | 1-phase | 1-phase | 1- & 3-phase | 1- & 3-phase | 1- & 3-phase | 3-phase | 3-phase | i age |
| 4-way cassette | PLA Series R32 R410A | SINGLE | SINGLE | SINGLE | SINGLE TWIN * | SINGLE TWIN | SINGLE TWIN | SINGLE TWIN TRIPLE | TWIN TRIPLE QUADRUPLE | TWIN TRIPLE QUADRUPLE | 80 |
| Ceiling | PEAD Series R32 R410A | SINGLE | SINGLE | SINGLE | SINGLE TWIN * | SINGLE | SINGLE TWIN | SINGLE TWIN TRIPLE | TWIN TRIPLE QUADRUPLE | TWIN TRIPLE QUADRUPLE | 87 |
| concealed | PEA Series R32 R410A | | | | | | | | SINGLE | SINGLE | 90 |
| Wall- mounted | PKA Series R32 R410A | * SINGLE | * Single | * SINGLE | SINGLE * TWIN * | SINGLE TWIN | TWIN | TWIN TRIPLE | TWIN TRIPLE QUADRUPLE | TRIPLE QUADRUPLE | 92 |
| Ceiling- suspended | PCA-KA Series R32 R410A | SINGLE | SINGLE | SINGLE | SINGLE TWIN | SINGLE TWIN | SINGLE TWIN | SINGLE TWIN TRIPLE | TWIN TRIPLE QUADRUPLE | TWIN TRIPLE QUADRUPLE | 95 |
| for Professional Kitchen | PCA-HA Series* | | | | SINGLE * | | | * TWIN | | * TRIPLE | 98 |
| Floor- standing | PSA Series R32 R410A | | | | SINGLE | SINGLE | SINGLE | SINGLE TWIN | TWIN | TWIN TRIPLE | 101 |

* Power Inverter Model only

LINE-UP

MXZ SERIES INVERTER Models

| Model Name | Capacity Class | Page |
|--|---------------------|------|
| up to 2 indoor units R32 MXZ-2F33VF4 | 3.3kW <1-phase> | 109 |
| up to 2 indoor units R32 MXZ-2F42VF4 | 4.2kW <1-phase> | 109 |
| up to 2 indoor units MXZ-2F53VF(H)4 | 5.3kW <1-phase> | 109 |
| up to 3 indoor units R32 MXZ-3F54VF4 | 5.4kW <1-phase> | 109 |
| up to 3 indoor units R32 MXZ-3F68VF4 | 6.8kW <1-phase> | 109 |
| up to 4 indoor units R32 | 7.2kW <1-phase> | 109 |
| up to 4 indoor units R32 MXZ-4F80VF4 | 8.0kW <1-phase> | 109 |
| up to 4 indoor units R32 MXZ-4F83VF2 | 8.3kW <1-phase> | 109 |
| up to 5 indoor units R32 | 10.2kW <1-phase> | 109 |
| up to 6 indoor units R32 MXZ-6F120VF2 | 12.0kW <1-phase> | 109 |
| up to 2 indoor units R32 MXZ-2HA40VF2 | 4.0kW <1-phase> | 114 |
| up to 2 indoor units R32 MXZ-2HA50VF2 | 5.0kW <1-phase> | 114 |
| up to 3 indoor units MXZ-3HA50VF2 | 5.0kW <1-phase> | 114 |

MXZ-VFHZ SERIES INVERTER Models

| Model Name | | 2.5kW | 3.5kW | 5.0kW | 5.3kW | 6.0kW | 8.3kW | 10.0kW | 12.5kW | Page |
|-------------|--|---------|---------|---------|---------|---------|---------|-------------|---------|------|
| Woder Name | | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | 1-phase | 1 & 3-phase | 3-phase | ruge |
| Multi split | MXZ-FVFHZ2 Series MXZ-EVAHZ Series (R32) (R410A) | | | | 2PORT H | | 4PORT H | | | 111 |

* R410A is for PUMY connection.

H: Freeze-prevention heater is included as standard equipment.

PUMY SERIES INVERTER Models

| Model Name | 12.5kW | 14.0kW | 15.5kW | 22.4kW | 28.0kW | 33.5kW | Page |
|------------------|-------------|-------------|-------------|---------|---------|---------|------|
| WOUEIName | 1 & 3-phase | 1 & 3-phase | 1 & 3-phase | 3-phase | 3-phase | 3-phase | rage |
| PUMY-SP R410A | 1 | 1 | 1 | | | | 121 |
| PUMY-P R410A | 1 | 1 | 1 | 1 | 1 | 1 | 123 |
| PUMY-SM | 1 | 1 | 1 | | | | 125 |

| Indoor | Combinations |
|--------|--------------|
|--------|--------------|

SINGLE 1 outdoor unit & 1 indoor unit TWIN 1 outdoor unit & 2 indoor units TRIPLE 1 outdoor unit & 3 indoor units

QUADRUPLE 1 outdoor unit & 4 indoor units

LOSSNAY SERIES

Plasma Quad Protect SERIES

| Commerc | Commercial Residential | | Air purifier | Air circulator | |
|------------------|--|-----------------|---|-----------------------|----------|
| Ceiling Conceale | Concealed Type Vertical Type Wall Mounted Type | | Small Air Volume type | Large Air Volume type | |
| LGH-RVX3 Series | LGH-RVS GUF Series | VL-CZPVU Series | VL-100(E)Us-E VL-50(E)Sa-E VL-50SRa-E | JC-23KR-EU | JC-4K-EU |



SERIES



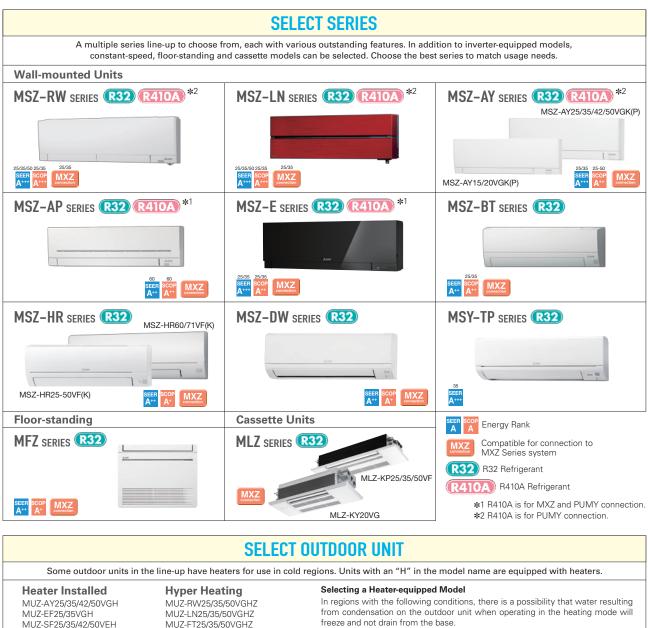






SELECTION

Choose the model that best matches room conditions.



MUZ-SF25/35/42/50VEH

MUZ-LN25/35VG



freeze and not drain from the base.

1) Cold outdoor temperatures (temperature does not rise above 0°C all day) 2) Areas where dew forms easily (in the mountains, valleys(surrounded by mountains), near a forest, near unfrozen lakes, ponds, rivers or hot springs), or areas with snowfall.

To prevent water from freezing in the base, it is recommended that a unit with a built-in heater be purchased. Please ask your dealer representative about the best model for you.

MSZ-RW R32 R410A Series

As a flagship model, RW series realises further outstanding heating performances under extremely cold outdoor temperature even with high energy efficiency. Moreover, excellent air purifying functions and many other smart features deliver a great comfort to you.



MSZ-RW25/35/50VG

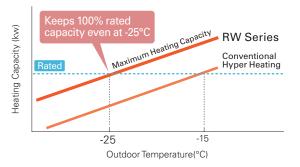
Heating Performance

Excellent heating performance of RW series delivers the prime warmth into your room. RW series' powerful compressor realises re-

markable maximum heating capacity in low ambient temperature with a high energy efficiency. Also, RW series performs 100% rated capacity even at -25°C, and the operation is guaranteed down to -30°C for all classes (25/35/50).



Improved Heating Capacity



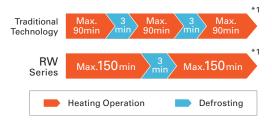
Wider Heating Operation Range



Outdoor Temperature(°C)

Longer Continuous Heating Operation

RW series with a high frost-detecting technology, made it possible to provide maximum continuous heating operation as long as 150 minutes with less frequent defrosting operations, maintaining a comfortable indoor environment in a long term.



*1 The time for heating and defrosting operation depends on the environmental conditions.

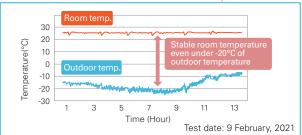


Tested in Sweden and Norway

We have conducted field tests in several cold sites and received high user satisfactions with sufficient air volume and remarkable heating performance of RW series. As the test result shows, we confirmed that RW series provides stable indoor comfortability even in extremely low ambient temperature.



Test result in Norway



3D i-see Sensor

3D i-see sensor with the sophisticated hemispherical design measures the temperature of the room with an infrared sensor and detects the position of people, which allows you to choose your preferable airflow such as indirect and direct airflow.



Circulator Mode

inage is for indication purposes

In heating mode, after reaching the setting temperature, indoor unit automatically starts FAN mode to circulate the air and eliminate temperature unevenness in your room.





Plasma Quad Plus is a plasma-based filtering system which contributes to a better air quality in your room. Plasma Quad Plus applies a voltage of approximately 6,000 volts to the electrode to generate plasma, effectively removing various kinds of airborne particles such as viruses, bacteria, mold, allergen, dust, and PM2.5.





Quick Air Purifying Set

Virus (Airborne)

99% inhibited^{*1}

We have confirmed Plasma Quad Plus inhibits 99.8% of adhered COVID-19. \ast_2

- *1 Tested Organization: vrc. Center, SMC Test Report No: 28-002 Test Method: JEM1467 Test result: Neutralised 99% of Influenza A virus in 72 minutes in a 25m³ test space.
- *2 Tested Organization: Japan Textile Products Quality and Technology Center, Test Report No: 20KB070569, Tested Materials: SARS-CoV-2, Test Method: Original (The test was conducted on the Plasma Quad device alone, not designed to evaluate product performance.) Test Result: Inhibited 99.8% in 360 minutes. The result without the effect of natural attenuation is 96.3%.

Deodorising Filter

If you press "PURIFIER" button when the unit is turned off, Plasma Quad Plus starts to operate with a fan mode and purifies the air in your room.



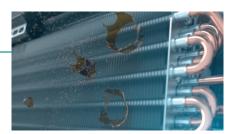
The catalyst in Deodorising Filter denatures the odorous components and destroys them from the source of the odour, quickly delivering fresh air to your room.







Mitsubishi Electric's Dual Barrier Coating prevents dust and greasy dirt from accumulating on the inner surface of the indoor unit; keeping your air conditioner clean. Two barrier coating prevents hydrophilic dirt penetration, and "hydrophilic particles" prevent hydrophobic dirt from getting into the air conditioner.





*Comparison of stains after 10 years of use (based on internal research)

*1 *2 Verified by SIAA test method (JIS Z 2911) with No. JP0501014A0002O on SIAA antifungal agent positive list. Antifungal effect depends on the working environment. Fungicides comply with the SIAA safety criteria. What is SIAA? https://www.kohkin.net/en_index.html

Drive Mode Selector

Drive Mode Selector allows you to select a preferred control setting according to your residential environment from three modes, Wide Room mode, Quiet mode, and Eco mode.

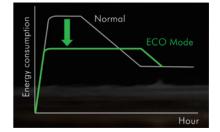
Wide Room Mode

Provides a better air distribution in your room and raises the comfort level.



Eco Mode

Suppresses a sharp increase in energy consumption by a gradual start-up operation.



Quiet Mode

Lowers operation noise level, creating quieter and peaceful environment.



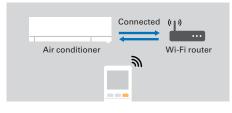
Built-in Wi-Fi & App Control

Indoor unit is equipped with Wi-Fi interface which allows you to access MELCloud app, providing you with a flexible control of air conditioner on your smartphone, tablets, and PC.



Easy Wi-Fi Set Up

You can easily connect Wi-Fi adaptor in the indoor unit and your local router with just a simple operation of remote controller.



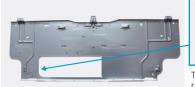
Remote Controller with Backlight

The remote controller screen is equipped with LED backlight. The luminous screen allows you to check the setting easily even in the dark.



Back Plate with a Hole

With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.





The edge of the hole is reinforced to ensure the strength.

Spacer

A part of the packing material can be used as a spacer to lift indoor unit during the left-side piping work, which makes stable installation work possible.



Bottom Removable Structure

The corner box and the bottom panel are individually removable, and it makes easy to insert tools even in the case of left-side piping.



Easy Plugging/Unplugging of Drain Hose

One-touch structure with screw- free claw fixing. Easy to plug and unplug the drain hose when changing on the left and right.



| MSZ-RW SERIES | R32 Inverter Correction Correctio |
|--|--|
| Indoor Unit / Remote Controller | Outdoor Unit |
| White>Image: Strain Stra | MUZ-RW25/35VGHZ MUZ-RW50VGHZ |
| 3D Fisce Circulator Sonsor Econo Cool Plaxmer Dual Barrier Out Barrier Econo Cool Plaxmer Dual Barrier Material Filter October Plax | rising Double SMING SMING SMING SAUTO Drive Mode Night Back Light Weekly Timer |
| Control | tion Interface connection En Connection Connection Recal |

| Гуре | | | | | Inverter Heat Pump | | | | |
|------------|-------------------------------------|--------------------------------------|--------|-------------------------------|-------------------------------|---------------------------------|--|--|--|
| ndoor Ur | it | | | MSZ-RW25VG | MSZ-RW35VG | MSZ-RW50VG | | | |
| utdoor l | Jnit | | | MUZ-RW25VGHZ | MUZ-RW35VGHZ | MUZ-RW50VGHZ | | | |
| efrigera | nt | | | | R32 (*1) | L | | | |
| ower | Source | | | Outdoor Power supply | | | | | |
| upply | Outdoor (V/Phase/H | lz) | | | 230/Single/50 | | | | |
| ooling | Design Load | | kW | 2.5 | 3.5 | 5.0 | | | |
| | Annual Electricity Co | onsumption (*2) | kWh/a | 78 | 130 | 230 | | | |
| | SEER (* 4) | | | 11.2 | 9.4 | 7.6 | | | |
| | | Energy Efficiency Class | | A+++ | A+++ | A++ | | | |
| | Capacity | Rated | kW | 2.5 | 3.5 | 5.0 | | | |
| | | Min - Max | kW | 0.9 - 3.5 | 1.0 - 4.0 | 1.4 - 5.8 | | | |
| | Total Input | Rated | kW | 0.435 | 0.770 | 1.380 | | | |
| eating | Design Load | | kW | 3.2 | 4.0 | 6.0 | | | |
| verage | Declared Capacity | at reference design temperature | kW | 3.2 (-10°C) | 4.0 (-10°C) | 6.0 (-10°C) | | | |
| eason)(*5) | | at bivalent temperature | kW | 3.2 (-10°C) | 4.0 (-10°C) | 6.0 (-10°C) | | | |
| | | at operation limit temperature | kW | 2.6 (-25°C) | 2.6 (-25°C) | 4.0 (-25°C) | | | |
| | Back Up Heating Ca | pacity | kW | 0.0 | 0.0 | 0.0 | | | |
| | Annual Electricity Consumption (*2) | | | 856 | 1097 | 1800 | | | |
| | SCOP (* 4) | | | 5.2 | 5.1 | 4.6 | | | |
| | | Energy Efficiency Class | | A+++ | A+++ | A++ | | | |
| | Capacity | Rated | kW | 3.2 | 4.0 | 6.0 | | | |
| | | Min - Max | kW | 0.8 - 6.3 | 1.1 - 7.0 | 1.8 - 8.7 | | | |
| | Total Input Rated | | kW | 0.580 | 0.810 | 1.450 | | | |
| peratin | g Current (max) | | A | 9.8 | 11.2 | 15.2 | | | |
| door | Input | Rated | kW | 0.021 | 0.022 | 0.041 | | | |
| nit | Operating Current (r | nax) | A | 0.21 | 0.22 | 0.37 | | | |
| | Dimensions | H × W × D | mm | 305 - 998 - 247 | 305 - 998 - 247 | 305 - 998 - 247 | | | |
| | Weight | | kg | 14.5 | 14.5 | 14.5 | | | |
| | Air Volume | Cooling | m³/min | 5.1 - 6.5 - 9.0 - 11.5 - 13.7 | 5.1 - 6.9 - 9.0 - 11.5 - 14.1 | 7.8 - 9.5 - 11.1 - 13.1 - 16.2 | | | |
| | (SLo-Lo-Mid-Hi-SHi ^{(*} | lid-Hi-SHi ⁽⁺³⁾) Heating | | 5.1 - 7.8 - 9.5 - 11.7 - 14.1 | 5.1 - 7.8 - 9.5 - 11.7 - 14.5 | 7.8 - 10.7 - 12.5 - 14.7 - 18.2 | | | |
| | Sound Level (SPL) | | | 19 - 23 - 29 - 36 - 42 | 19 - 24 - 29 - 36 - 43 | 26 - 30 - 34 - 39 - 45 | | | |
| | (SLo-Lo-Mid-Hi-SHi * | 3) Heating | dB(A) | 19 - 25 - 30 - 36 - 41 | 19 - 25 - 30 - 36 - 42 | 25 - 32 - 37 - 41 - 46 | | | |
| | Sound Level (PWL) | · | dB(A) | 58 | 59 | 59 | | | |
| utdoor | Dimensions | H × W × D | mm | 714 - 800 - 285 | 714 - 800 - 285 | 880 - 840 - 330 | | | |
| nit | Weight | | kg | 39.5 | 40 | 54 | | | |
| | Air Volume | Cooling | m³/min | 35.1 | 37.8 | 49.3 | | | |
| | | Heating | m³/min | 37.8 | 37.8 | 55.6 | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 46 | 49 | 51 | | | |
| | | Heating | dB(A) | 49 | 50 | 54 | | | |
| | Sound Level (PWL) | Sound Level (PWL) Cooling | | 60 | 61 | 64 | | | |
| | Operating Current (r | nax) | A | 9.6 | 11.0 | 14.8 | | | |
| | Breaker Size | | A | 10 | 12 | 16 | | | |
| xt. | Diameter | Liquid / Gas | mm | 6.35/9.52 | 6.35/9.52 | 6.35/9.52 | | | |
| iping | Max. Length | Out-In | m | 20 | 20 | 30 | | | |
| | Max. Height | Out-In | m | 12 | 12 | 15 | | | |
| | ed Operating Range | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | | | |
| Outdoor] | | Heating | °C | -30 ~ +24 | -30 ~ +24 | -30 ~ +24 | | | |

 Ineating
 Ineating

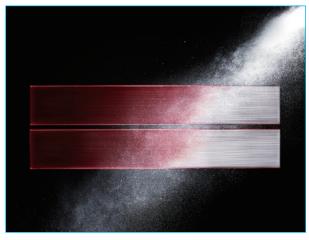
 <th



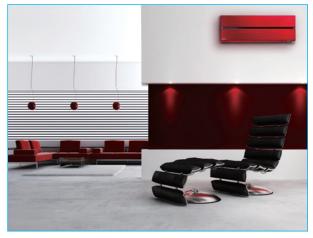
Luminous and Luxurious Design

series.

Natural White, Pearl White, Ruby Red, and Onyx Black. LN Series indoor units are available in four colours to match various lifestyles. The appearance of the indoor unit differs depending on the lighting in the room, attracting the attention of everyone that enters the room.



Master craftsmanship painting technology has resulted in a refined design, giving the finish deep colour and a premium guality feel.



Ruby Red gives an accent to the room, affording timeless elegance to sophisticated interiors.

LED Backlight Remote Controller

Not only the indoor units, but also the wireless remote controllers come in four colours as well. Each remote controller matches the indoor unit. Even the textures are the same.

> The setting can be easily checked in the dark thanks to LED backlight.





Pearl White blends in with any interior.



Onyx Black matches darker interiors, creating a comfortable environment.

Red





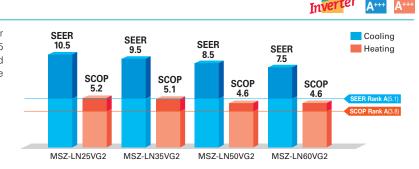


White

Pearl White

Black

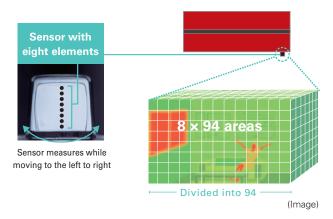
High Energy Efficiency



Optimum cooling/heating performance is another feature for the LN series. Models from capacities 25 to 50 have achieved the "Rank A+++" for SEER, and models for capacities 25 and 35 have achieved the "Rank A+++" for SCOP as well.

3D i-see Sensor

The LN Series is equipped with 3D i-see Sensor, an infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyze the room temperature in three dimensions. This detailed analysis makes it possible to judge where people are in the room, thus allowing creation of features such as "Indirect airflow," to avoid airflow hitting people directly, and "direct airflow" to deliver airflow to where people are.



No occupancy energy-saving mode

The sensors detect whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.



The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes

Circulator Operation

In case the indoor temperature reaches the setting temperature, the outdoor unit stops and the indoor unit starts FAN operation to circulate the indoor air.

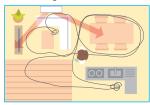
The outdoor unit starts operation automatically when the indoor temperature drops below the setting temperature.

Indirect Airflow

The indirect airflow setting can be used when the flow of air feels too strong or direct. For example, it can be used during cooling to avert airflow and prevent body temperature from becoming excessively cooled.



Even Airflow *LN Series only Normal swing mode



The airflow is distributed equally throughout the room, even to spaces where there is no human movement.

No occupany Auto-OFF mode *LN Series only

The sensors detect whether or not there are people in the room. When there is no one in the room, the unit turns off automatically.





(MSZ-LN18/25/35/50/60VG-SC Scandinavian model)



If the heating operation is continued, the warm air is formed around ceiling



This operation can help to circulate and rense warm air

Even airflow mode

Direct Airflow

(cold) day.

This setting can be used to directly target

airflow at people such as for immediate

comfort when coming indoors on a hot

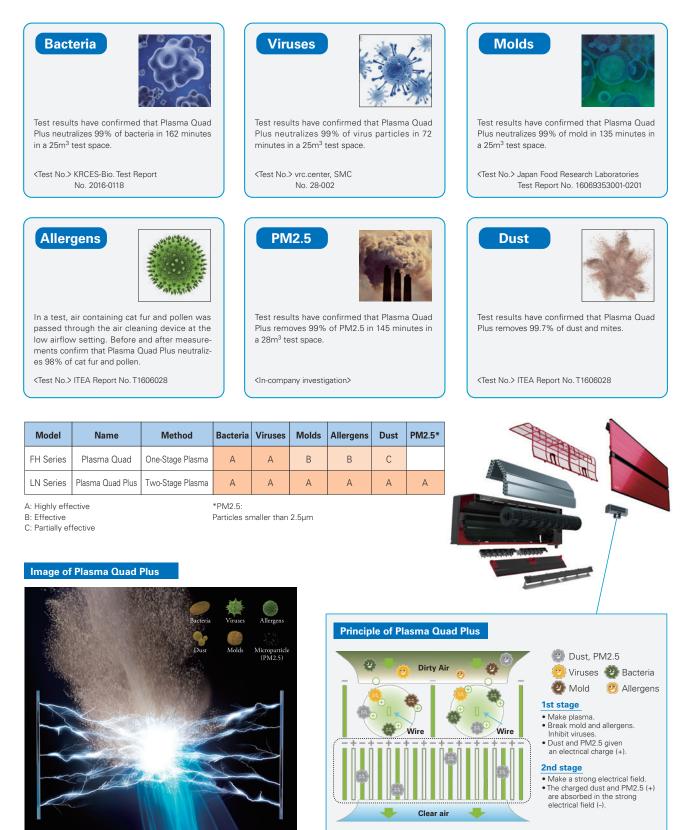


The 3D i-see sensor memorizes human move-

ment and furniture positions, and efficiently distributes airflow.

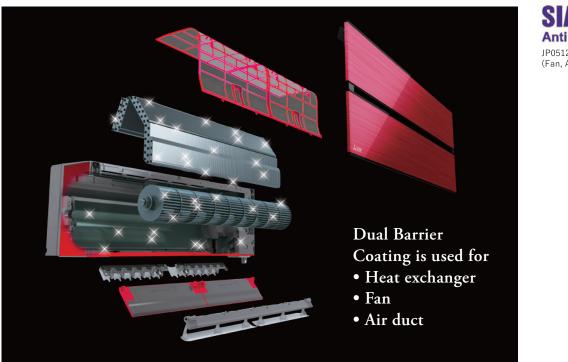
Plasma Quad Plus

Plasma Quad Plus is a plasma-based filter system that effectively removes six kinds of air pollutants. Plasma Quad Plus captures mold and allergens more effectively than Plasma Quad. It can also capture PM2.5 and particles smaller than 2.5µm, creating healthy living spaces for all.





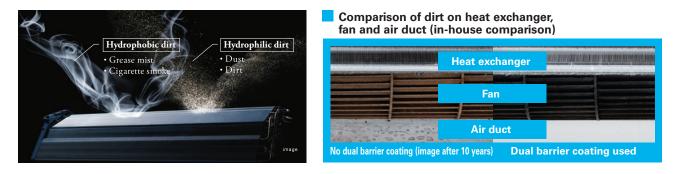
A two-barrier coating prevents dust and greasy dirt from getting into the air conditioner.





State-of-the-art coating technology

Dirt is generally classified into two groups: hydrophilic dirt such as fiber dust and sand dust, and hydrophobic dirt such as oil and cigarette smoke. Mitsubishi Electric's dual barrier coating works as a two-barrier coating that prevent hydrophilic dirt penetration and "hydrophilic particles" that prevent hydrophobic dirt from getting into the air conditioner. This dual coating on the inner surface keeps the air conditioner clean year-round.



 The inside of the indoor unit gets dirty after many years of usage.

 Fan

 New
 10 years later (image)
 Consequences when the inside of the indoor unit is left dirty

 New
 10 years later (image)
 Consequences when the inside of the indoor unit is left dirty

 New
 10 years later (image)
 Consequences when the inside of the indoor unit is left dirty

 New
 Difference
 Output to years later (image)
 Consequences when the inside of the indoor unit is left dirty

 New
 Difference
 Output to years later (image)
 Output to years later (image)

 New
 Difference
 Output to years later (image)
 Consequences when the inside of the indoor unit is left dirty

 New
 Output to years later (image)
 Output to years later (image

*1 Verified by SIAA test method (JIS Z 2911) with No. JP0501014A0002O on SIAA antifungal agent positive list. Antifungal effect depends on the working environment. Fungicides comply with the SIAA safety criteria.

Double Flap

The vanes create various airflows to make each person in the room comfortable. Not only the horizontal vanes, but also the vertical vanes move independently, eliminating hot spots or cold spots throughout the room.



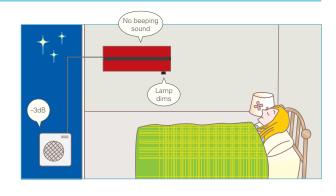


Night Mode

When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated operating noise specification.

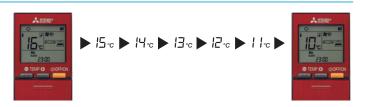
*The cooling/heating capacity may drop.



10°C Heating

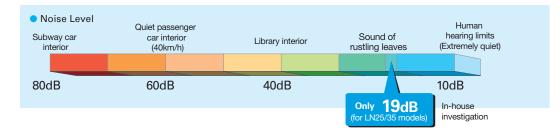
During heating operation, the temperature can be set in 1°C increments down to $10^{\circ}\text{C}.$

This function can also be used with the Weekly Timer setting.



Quiet Operation

The indoor unit noise level is as low as 19dB for LN25/35 models, offering a peaceful inside environment.



Built-in Wi-Fi Interface

The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.



LNVGHZ RAIOA Single / MXZ, PUMY PUMY SERIES

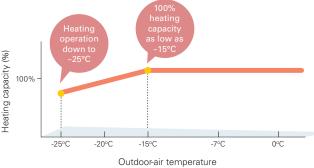
Unlike conventional air conditioning systems, the LN Series don't lose heating capacity when it's cold outside. Original technologies ensure excellent heating performance under extremely low outdoor temperatures and an impressive guaranteed operating range.



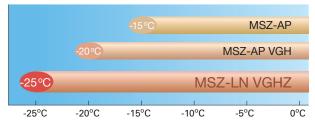
MSZ-LN25/35/50VG2(W)(V)(R)(B)

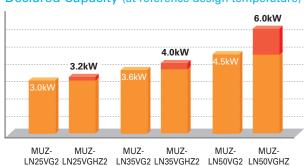
Unparalleled Heating Performance

LN Series outdoor units are equipped with a high-output compressor that provides enhanced heating performance under low outdoor temperatures. The heating operation range is extended down to -25°C.



Operating Range



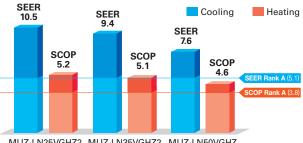


Declared Capacity (at reference design temperature)



High Energy Efficiency – Energy Rank of A⁺ or higher for All Models

With indoor units that combine functionality, design and capacity and outdoor units equipped with a high-efficiency compressor, the MUZ-LN VGHZ simultaneously achieves high heating capacity and energy-saving performance.



MUZ-LN25VGHZ2 MUZ-LN35VGHZ2 MUZ-LN50VGHZ

Freeze-prevention Heater Equipped as Standard

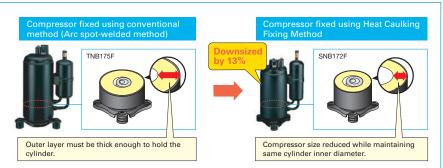
The Freeze-prevention heater restricts lowered capacity and operation shutdowns caused by the drain water freezing. This supports stable operation in low-temperature environments.



*Image is for illustration purposes. The actual performance depends on outdoor temperature

Compact, Powerful Compressor

A special manufacturing technology, "Heat Caulking Fixing Method," has been introduced to reduce compressor size while maintaining a high compressor output. This technology enables the installation of a powerful compressor in compact MUZ outdoor units. As a result, excellent heating performance is achieved when operating in cold outdoor environments.



| MSZ-LN series | Inverter | | | | | |
|---------------------------------|---|--|--|--|--|--|
| Indoor Unit / Remote Controller | R32 R410A GOOD DESIGN AWARD 2 BEST 10 | | | | | |
| <pearl white=""></pearl> | <ruby red=""></ruby> | MUZ-LN25/35VG2 | | | | |
| MSZ-LN18/25/35/50/60VG2V | MSZ-LN18/25/35/50/60VG2R | | | | | |
| <natural white=""></natural> | <onyx black=""></onyx> | MUZ-LN50VG2 | | | | |
| MSZ-LN18/25/35/50/60VG2W | MSZ-LN18/25/35/50/60VG2B | MUZ-LN60VG2 | | | | |
| | Quart Quart Plus Plus Plus Plus Plus Plus Quart Plus Plus Plus Quart Plus Quart Plus Quart Plus Quart Plus Plus Plus Plus Plus Plus Plus Plus | | | | | |
| Cooling Control | Optional Win-Fit 10) Commettion Commettion 12 / 25 / 25 / 20 | Back Light Remote Faire Connection Cougnost Recall | | | | |

| Туре | | | | | | Inverter Heat Pump | | |
|--|--------------------------------------|--|---------------------|---|--|--|-------------------------------|-------------------------------|
| Indoor Ur | nit | | | MSZ-LN18VG2 | MSZ-LN25VG2 | MSZ-LN35VG2 | MSZ-LN50VG2 | MSZ-LN60VG2 |
| Outdoor | Unit | | | for MXZ connection | MUZ-LN25VG2 | MUZ-LN35VG2 | MUZ-LN50VG2 | MUZ-LN60VG2 |
| Refrigera | nt | | | | Sir | ngle: R32 ⁽¹⁾ / Multi: R410A or R3: | 2(*1) | |
| Power | Source | | | | $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | | | |
| Supply | Outdoor (V / Ph | nase / Hz) | | | | 230 / Single / 50 | | |
| | Design load | | kW | - | 2.5 | 3.5 | 5.0 | 6.1 |
| | Annual electricity | consumption (*2) | kWh/a | MSZ-LN18VG2 MSZ-LN2SVG2 MSZ-LN50VG2 MSZ-LN50VG2 MUZ-LN2SVG2 MUZ-LN2SVG2 | 205 | 285 | | |
| | SEER (*4) | | | - | 10.5 | 9.5 | 8.5 | 7.5 |
| Cooling | | Energy efficiency class | | - | A+++ | A+++ | A+++ | A++ |
| Ideor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor I Iutdoor Iutd | 0 | Rated | kW | - | 2.5 | 3.5 | 5.0 | 6.1 |
| | Capacity | Min-Max | kW | - | 1.0 - 3.5 | 0.8 - 4.0 | 1.0 - 6.0 | 1.4 - 6.9 |
| | Total Input | MSZ-LN18VG2 MSZ-LN25VG2 MM for MX2 connection MUZ-LN25VG2 MM for MX2 connection MUZ-LN25VG2 MM Single: R32 ^{CII} Outdo coad kW - 231 cad kW - 2.5 231 coad kW - 0.5 231 coad kW - 0.5 231 coad kW - 0.5 231 coad kW - 0.485 301 oad kW - 0.485 301 100-3.5 oad dia reference design temperature kW - 3.0 (10°C) 301 301 10°C) 301 10°C) 301 10°C) 301 10°C) 301 10°C) 10°C 10°C <td>0.820</td> <td>1.380</td> <td>1.790</td> | 0.820 | 1.380 | 1.790 | | | |
| | Design load | | kW | - | 3.0 (-10°C) | 3.6 (-10°C) | 4.5 (-10°C) | 6.0 (-10°C) |
| Ideor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor Unit Iutdoor | | at reference design temperature | kW | - | 3.0 (-10°C) | 3.6 (-10°C) | 4.5 (-10°C) | 6.0 (-10°C) |
| | Declared Capacity | at bivalent temperature | kW | - | 3.0 (-10°C) | 3.6 (-10°C) | 4.5 (-10°C) | 6.0 (-10°C) |
| | Capacity | at operation limit temperature | | - | 2.5 (-15°C) | 3.2 (-15°C) | 4.2 (-15°C) | 6.0 (-15°C) |
| leating | Back up heating | g capacity | kW | - | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) |
| Average | | consumption (*2) | kWh/a | - | 807 | 987 | 1369 | 1816 |
| eason)(*5) | SCOP (*4) | | | - | | | 4.6 | 4.6 |
| Average Average Season) ^(*) Dperating | | Energy efficiency class | | - | A+++ | A+++ | A++ | A++ |
| | Capacity | Rated | kW | - | 3.2 | 4.0 | 6.0 | 6.8 |
| | Capacity | Min-Max | kW | - | 0.7 - 5.4 | 0.9 - 6.3 | 1.0 - 8.2 | 1.8 - 9.3 |
| | Total Input | Rated | kW | - | 0.600 | 0.820 | 1.480 | 1.810 |
| Operatin | g Current (Max) | | A | - | 7.1 | 9.9 | 13.9 | 15.2 |
| lr | Input | Rated | kW | 0.027 | 0.027 | 0.027 | 0.034 | 0.040 |
| | Operating Current(Max) | | A | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| | Dimensions | H*W*D | mm | 307-890-233 | 307-890-233 | 307-890-233 | 307-890-233 | 307-890-233 |
| | Weight | eight | | 14.5 (W) 15.5 (V, R, B) | 14.5 (W) 15.5 (V, R, B) | 14.5 (W) 15.5 (V, R, B) | 15 (W) 16 (V, R, B) | 15 (W) 16 (V, R, B) |
| | Air Volume (SLo- | Cooling | m³/min | 4.7 - 5.9 - 7.1 - 9.2 - 12.4 | 4.7 - 5.9 - 7.1 - 9.2 - 12.4 | 4.7 - 5.9 - 7.1 - 9.2 - 13.0 | 5.7 - 7.6 - 8.8 - 10.6 - 13.9 | 7.1 - 8.8 - 10.6 - 12.7 - 15. |
| | Lo-Mid-Hi-SHi ^(*3)) | Heating | m ³ /min | 4.5 - 6.6 - 7.5 - 11.0 - 13.9 | 4.5 - 6.6 - 7.5 - 11.0 - 13.9 | 4.5 - 6.6 - 7.5 - 11.0 - 13.9 | 5.4 - 6.4 - 8.5 - 10.7 - 15.7 | 6.6 - 9.5 - 11.5 - 13.6 - 15 |
| | Sound Level (SPL) | Cooling | dB(A) | | 19 - 23 - 29 - 36 - 42 | | | 29 - 37 - 41 - 45 - 49 |
| | (SLo-Lo-Mid-Hi-SHi ^(*3)) | | . () | | | | | 29 - 37 - 41 - 45 - 49 |
| | Sound Level (PWL) | Cooling | dB(A) | 58 | | | | 65 |
| | Dimensions | H*W*D | mm | - | | | | 880-840-330 |
| | Weight | | kg | - | 33 | 34 | 40 | 53 |
| | Air Volume | | | - | | | | 48.8 |
| wtdoor | All Volume | Heating | | - | | | | 55.0 |
| | Sound Level (SPL) | | | - | | | | 55 |
| | 000010 20101 (01 2) | Heating | dB(A) | - | | 50 | | 55 |
| | Sound Level (PWL) | | dB(A) | _ | | | | 65 |
| | | ent (Max) | | - | | | | 14.8 |
| | Breaker Size | | | | | | | 16 |
| | Diameter | | mm | _ | | | | 6.35/12.7 |
| | Max.Length | | m | - | | | | 30 |
| | Max.Height | | | | | .= | .= | 15 |
| | eed Operating | | | | | | · · · · | -10 ~ +46 |
| Range (C | Dutdoor) | Heating | °C | - | -15 ~ +24 | -15 ~ +24 | -15 ~ +24 | -15 ~ +24 |

(1) Refigerant with lower global warming potential (GWP) vocal contribute less to global warming the leakage contributes to dimate to change. Refigerant with lower global warming potential (GWP) vocal contribute less to global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refigerant fluid would be leaked to the atmosphere. This approximation would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refigerant circuit yourself or 675 in the IPCC 4th Assessment Report.
(2) Energy consumption based on standard test results. Actual energy consumption wild depend on how the appliance is used and where it is located.
(3) SHI: Super High
(4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

| MSZ-LN VGHZ series | R32 Inverter Comment of the law o |
|---|--|
| Indoor Unit / Remote Controller <pearl white=""></pearl> | COUD DESIGN AWARD 2016 BEST 100 CRuby Red> |
| MSZ-LN25/35/50VG2V <natural white=""> MSZ-LN25/35/50VG2W</natural> | MSZ-LN25/35/50VG2R |
| | Processors Dual Barrier V Blocking Costing Double Uncessors SMNG Vane SMNG Vane SMNG Vane SMNG Vane SMNG Vane SMNG Vane SMNG Vane Support Weekly Timer Support Support Wi-Fi J) Normaction Correction Mi-Fi J) Vane Max Support Support Support Support Flats Connection Flats Conn |

| Туре | | | | | Inverter Heat Pump | | | | |
|---------------------|----------------------------------|---------------------------------|---------------------|------------------------------|---------------------------------|-------------------------------|--|--|--|
| ndoor Ur | it | | | MSZ-LN25VG2(W)(V)(R)(B) | MSZ-LN35VG2(W)(V)(R)(B) | MSZ-LN50VG2(W)(V)(R)(B) | | | |
| Dutdoor | Jnit | | | MUZ-LN25VGHZ2 | MUZ-LN35VGHZ2 | MUZ-LN50VGHZ2 | | | |
| Refrigera | nt | | | | R32 (*1) | | | | |
| ower | Source | | | Outdoor Power supply | | | | | |
| Supply | Outdoor (V/Phase/H | lz) | | | 230/Single/50 | | | | |
| Cooling | Design Load | | kW | 2.5 | 3.5 | 5.0 | | | |
| | Annual Electricity Co | onsumption (*2) | kWh/a | 83 | 130 | 230 | | | |
| | SEER (* 4) | | | 10.5 | 9.4 | 7.6 | | | |
| | | Energy Efficiency Class | | A+++ | A+++ | A++ | | | |
| | Capacity | Rated | kW | 2.5 | 3.5 | 5.0 | | | |
| | | Min - Max | kW | 0.8 - 3.5 | 0.8 - 4.0 | 1.4 - 5.8 | | | |
| | Total Input | Rated | kW | 0.485 | 0.820 | 1.380 | | | |
| leating | | | kW | 3.2 (-10°C) | 4.0 (-10°C) | 6.0 (-10°C) | | | |
| Average | Declared Capacity | at reference design temperature | kW | 3.2 (-10°C) | 4.0 (-10°C) | 6.0 (–10°C) | | | |
| eason)(*5 | | at bivalent temperature | kW | 3.2 (-10°C) | 4.0 (-10°C) | 6.0 (-10°C) | | | |
| | | at operation limit temperature | kW | 2.3 (-25°C) | 3.1 (-25°C) | 4.7 (-25°C) | | | |
| | Back Up Heating Ca | | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | | | |
| | Annual Electricity Co | | kWh/a | 861 | 1098 | 1826 | | | |
| | SCOP (*4) | | | 5.2 | 5.1 | 4.6 | | | |
| | | Energy Efficiency Class | | A+++ | A+++ | A++ | | | |
| | Capacity | Rated | kW | 3.2 | 4.0 | 6.0 | | | |
| | | Min - Max | kW | 0.8 - 6.3 | 0.9 - 6.6 | 1.8 - 8.7 | | | |
| | Total Input Rated | | kW | 0.600 | 0.820 | 1.480 | | | |
| peratin | g Current (max) | • | A | 9.9 | 10.5 | 15.2 | | | |
| ndoor | Input | Rated | kW | 0.027 | 0.027 | 0.034 | | | |
| nit | Operating Current (max) | | A | 0.3 | 0.3 | 0.4 | | | |
| | Dimensions | H × W × D | mm | 307 - 890 - 233 | 307 - 890 - 233 307 - 890 - 233 | | | | |
| | Weight | | kg | 15.5 | 15.5 | 15.5 | | | |
| | Air Volume | Cooling | m ³ /min | 4.3 - 5.8 - 7.1 - 8.8 - 11.9 | 4.3 - 5.8 - 7.1 - 8.8 - 12.8 | 5.7 - 7.6 - 8.9 - 10.6 - 13.9 | | | |
| | (SLo-Lo-Mid-Hi-SHi ^{(*} | ³⁾) Heating | m ³ /min | 4.0 - 5.7 - 7.1 - 8.5 - 14.4 | 4.3 - 5.7 - 7.1 - 8.5 - 13.7 | 5.4 - 6.4 - 8.5 - 10.7 - 15.7 | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 19 - 23 - 29 - 36 - 42 | 19 - 24 - 29 - 36 - 43 | 27 - 31 - 35 - 39 - 46 | | | |
| | (SLo-Lo-Mid-Hi-SHi ^{(*} | 3) Heating | dB(A) | 19 - 24 - 29 - 36 - 45 | 19 - 24 - 29 - 36 - 45 | 25 - 29 - 34 - 39 - 47 | | | |
| | Sound Level (PWL) | 1 - | dB(A) | 58 | 58 | 60 | | | |
| utdoor | Dimensions | H × W × D | mm | 550 - 800 - 285 | 550 - 800 - 285 | 880 - 840 - 330 | | | |
| nit | Weight | • | kg | 35 | 36 | 53 | | | |
| | Air Volume | Cooling | m³/min | 31.4 | 33.8 | 48.8 | | | |
| | | Heating | m ³ /min | 27.4 | 27.4 | 55.0 | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 46 | 49 | 51 | | | |
| | | Heating | dB(A) | 49 | 50 | 54 | | | |
| | Sound Level (PWL) | Cooling | dB(A) | 60 | 61 | 64 | | | |
| | Operating Current (r | nax) | A | 9.6 | 10.2 | 14.8 | | | |
| | Breaker Size | | A | 10 | 12 | 16 | | | |
| xt. | Diameter | Liquid / Gas | mm | 6.35/9.52 | 6.35/9.52 | 6.35/9.52 | | | |
| Piping | Max. Length | Out-In | m | 20 | 20 | 30 | | | |
| | Max. Height | Out-In | m | 12 | 12 | 15 | | | |
| | | | | | | | | | |
| Guarante Outdoor | ed Operating Range | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | | | |

 Instrument
 Impleting
 C
 -25 ~ +24
 -25 ~ +24
 -25 ~ +24

 (*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of C02, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

 The GWP of R32 is 675 in the IPCC dth Assessment Report.
 (*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
 (*3) SEH. Stoper High

 (*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".

 (*5) Please see page 53-54 for heating (warmer season/colder season) specifications.

MSZ-AY SERIES

The AY series has an excellent cleanliness feature and ranges to two models: the VGK model comes standard with the V Blocking Filter, which has antiviral, antibacterial, anti-mold, and anti-allergen effects, and the VGKP model comes standard with Plasma Quad Plus, which can collect PM2.5 dust in addition to these effects. The AY series has also been upgraded in terms of quietness, energy efficiency, and ease of installation. Enjoy a comfortable air environment with the AY series.

MSZ-AY15/20VGK(P)





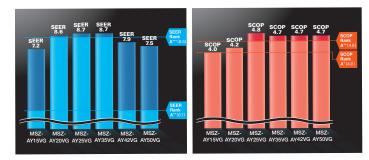


High energy saving



The AY series have achieved either the "Rank A^{+++} " or "Rank A^{++} " for SEER and SCOP as energy-savings rating.

The high-efficiency air conditioner is eco-friendly and economical.





Matt and Sophisticated Design

The elegant and sophisticated design has been created to fit in any room, with careful attention to detail in the surface finish and panel angles.



Rounded corners

The rounded corners give a soft impression that blends in with any room.

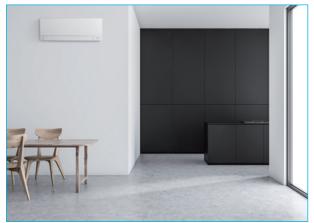
Simple and Compact size

While the plasma is built-in, the angle of the curve is carefully designed to maintain the compact unit.

Widely Ranged Capacities

Compact and stylish models are available.

The wide range of capacities is designed to match a variety of room types. In particular, the 1.5kW and 2.0kW models are ideal for children's rooms, bedrooms, and highly insulated homes.



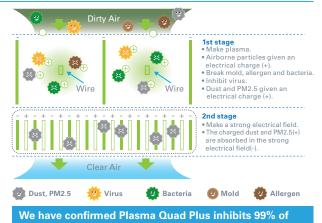


MSZ-AY25/35/42/50VGK(P)



You can enjoy the clean and safe air by Plasma Quad Plus.

Plasma Quad Plus is a plasma-based filtering system which contributes to a better air quality in your room. Plasma Quad Plus applies a voltage of approximately 6,000 volts to the electrode to generate plasma, effectively removing various kinds of airborne particles such as viruses, bacteria, mold, allergen, dust, and PM2.5.



adhered COVID-19.

Positively charged antiviral detergent on t surface of filter breaks the cell membrane and deactivates the growth of virus.

- *Tested Organization: National Hospital Organization Sendai Medical Center, Test Report No: R4-001 Test result: Neutralised 99% of influenza A virus in 210.5 minutes in a 25m³ test space
- *Tested Organization: Japan Textile Products Quality and Technology Center, Test Report No: 20KB070569, Tested Materials: SARS-CoV-2, Test Method: Original (The test was conducted on the Plasma Quad device alone, not designed to evaluate product performance.) Test Result: Inhibited 99.8% in 360 minutes. The result without the effect of natural attenuation is 96.3%.

The above test results are for AY25-50. Test results for AY15/20 are on p10



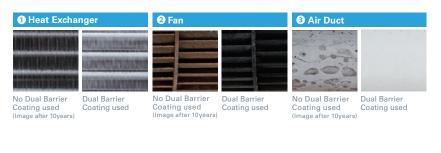
"V Blocking Filter" with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with nonwoven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.

Virus Test method: JIS L 1922, Tested Organization: Guangdong Detection Center of Microbiology, Test Report No: 2020FM30156R02D, Test result: 99% neutralized in 24 hours in a Testing Container. Bacteria Test method: JIS L 1902, Tested Organization: Boken Quality Evaluation

Institute, Test Report No: 29020006998-1, Test result: 99% neutralized in 18 hours in a Petri dish. Mold Test method: JIS Z 2911, Tested Organization: Boken Quality Evaluation Institute, Test Report No: 29020006906-1, Test result: No moldgrowth was confirmed. Allergen Test method: ELISA, Tested Organization: Daiwa Chemical Industries Co., Ltd, Test Report No: 2021B267, Test result: 96% neutralized in24 hours.

Dual Barrier Coating OB

Mitsubishi Electric's Dual Barrier Coating prevents dust and greasy dirt from accumulating on the inner surface of the indoor unit, keeping your air conditioner clean. Hydrophilic material resists oil stains and hydrophobic material resists dust stains.





A Maintains clean unit interior.

Self Clean

When Self Clean Mode is activated, fan operation starts after cooling/dry mode. This operation helps to dry inside indoor unit to prevent molds and odors. You can feel the clean air without frequent cleaning by yourself.

1 High humidity inside the unit, which can lead to mold growth and odors.



Airflow operation suppresses mycelial growth.



*When SELF CLEAN operation is set, it performs for 25 minutes when unit is stopped after COOL/DRY operation. SELF CLEAN operation performs when: COOL/DRY is operated more than 3 minutes. The fan is stopped for the first 3 minutes. Then, the horizontal vane is set to higher than angle 1 and the fan is operated for 25 minutes. To enable this function, press "Self Clean Mode" button on remote controller. (Default setting is OFF)

Quietness 18dB



Quiet, relaxing space is within reach. Operational noise is 18dB (for AY25/35 single connection), which is so quiet that you might even forget the air conditioner is on.

No beeping sound

Lamp dims

Night mode

When Night Mode is activated using the wireless remote controller, air conditioner operation will switch to the following settings.

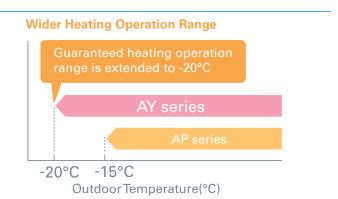
- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will be 3dB lower than the rated operating noise specification.

*The cooling/heating capacity may drop.



🔆 Wider Heating Operation Range

Mitsubishi Electric technology ensures that the unit will operate even when the outside temperature is down to -20°C for AY20/25/ 35/42/50 single connection only.

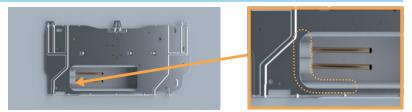


Outdoor Units for Cold Region



😶 Back Plate with a Hole

With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.



The edge of the hole is reinforced to ensure the strength.

🖬 Spacer

A part of the packing material can be used as a spacer to lift indoor unit during the left-side piping work, which makes stable installation work possible.



📴 Built-in Wi-Fi & App Control

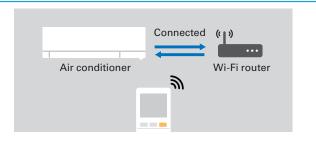
Indoor unit is equipped with Wi-Fi interface which allows you to access MELCloud app, providing you with a flexible control of air conditioner on your smartphone, tablets, and PC.

- [key control and monitoring features]
- On/Off
- ullet Check and set driving conditions
- ${\ensuremath{\bullet}}$ Notification of weather conditions from current location
- Weekly timer set
- Energy consumption check
- Air purification on/off



Easy Wi-Fi Set Up

You can easily connect Wi-Fi adaptor in the indoor unit and your local router with just a simple operation of remote controller.



Remote Controller features

The remote controller screen is equipped with LED backlight. The luminous screen allows you to check the setting easily even in the dark. You can easily connect Wi-Fi adaptor in the indoor unit and your local router with just a simple operation of remote controller.





R32 Single / Multi 2410A Multi



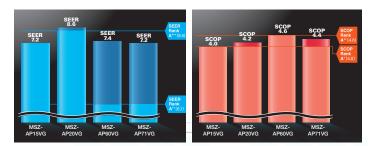


reddot award 2018 winner

High energy saving

The classes from the low-capacity 25 to the high-capacity 60, have achieved either the "Rank A⁺⁺⁺" or "Rank A⁺⁺" for SEER and SCOP as energy-savings rating. Our air conditioners are contributing to reduce energy consumption in a wide range.

to match number of rooms. High performance indoor and outdoor units enabled to achieve "Rank A⁺⁺⁺" for SEER. *MSZ-AP20VG





Large capacity model

Suitable model for large rooms.





Wide and Long Airflow

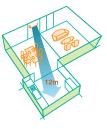
The wide and long airflow function is especially beneficial for large spaces, helping to ensure that air is well circulated and reaches every corner of the room.

Wide Airflow

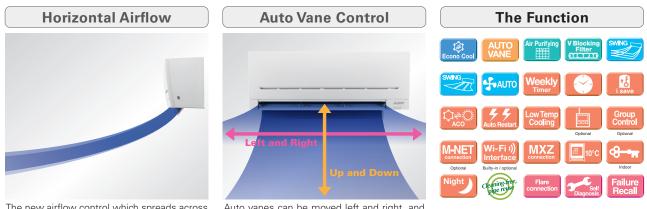
This unique airflow system distributes air horizontally over a wide-ranging 150° in heating mode and 100° in cooling mode. Simply press the Wide Swing icon on the remote controller to select the desired airflow from seven different patterns.

Long Airflow

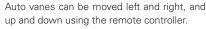
Use this function to ensure that the airflow circulates to areas far across the room. Press the Long Airflow icon on the remote controller to extend reach up to as far as 12 metres from the unit.



Evolved comfortable convenience function



The new airflow control which spreads across the ceiling eliminates the uncomfortable drafty feeling.



"WeeklyTimer"

Easily set desired temperatures and operation start/stop times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

Example Operation Pattern (Winter/Heating mode)

| | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. | Sun. | |
|------------------------|---------|-------------------|---------------------------|-------------------------|-----------------------|-----------------------------|---|--|
| 6:00 | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | |
| | | | Automatically change | es to high-power opera | tion at wake-up time | 1 | | |
| 8:00 | | | | | | | | |
| 10:00 | 055 | 055 | 055 | 055 | 055 | 011 4000 | 011 1000 | |
| 15:00 | OFF | OFF | OFF | OFF | OFF | ON 18°C Midday is warmer | ON 18°C | |
| 14:00 | | Automatio | cally turned off during w | vork hours | | | emperature is set lower | |
| 16:00 | | | | | | | | |
| 18:00 | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | |
| 20:00 | | Automatically tur | ns on, synchronized wi | th arrival at home | | Automatically raises ter | mperature setting to de-air temperature is low | |
| 00:55 | | | | | | | | |
| during sleeping hours) | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | |
| | | Autom | atically lowers tempera | ture at bedtime for ene | ergy-saving operation | at night | | |

Pattern Settings: Input up to four settings for each day

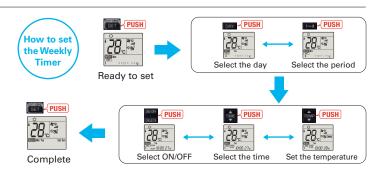
Settings Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

Easy set-up using dedicated buttons



The remote controller is equipped with buttons that are used exclusively for setting the Weekly Timer. Setting operation patterns is easy and quick.





Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL" button will end the set-up process without sending the operation patterns to the indoor unit.
It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit. Please continue to point the remote controller at the indoor unit until all data has been sent.
When "Weekly Timer" is set, temperature can not be set 10°C. (only for 15/20 models)

| MSZ-AY series | Joint Lop | PAM SEER SCOP Groved Party |
|--|---|-------------------------------|
| Indoor Unit R32 | Outdoor Unit R32 | Remote Controller |
| MSZ-AY15/20VGK(P) | MUZ-AY15VG MUZ-AY20VG | |
| Amer MSZ-AY25/35/42/50VGK(P) | MUZ-AY25/35/42VG(H) MUZ-AY50VG(H) | |
| Circulator Sc Owy Sc Owy Sc Owy Circulator Econo Cool E.E.ER.Owy Sc Owy Circulator Econo Cool E.E.ER.Owy Circulator Econo Cool E.E.ER.Owy Circulator | AUTO VANE SWNG 25 Story | Weekly |
| Acco | Connection Connection Connection | Failure Recall |

| Туре | | | - | | | | | Inverter H | leat Pump | | | | |
|-------------|--------------------------------------|---------------------------------|---------------------|--|--|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|----------------------------|
| Indoor Ur | nit | | | MSZ-AY15VGK(P) | MSZ-AY20VGK(P) | MSZ-AY25VGK(P) | MSZ-AY25VGK(P) | MSZ-AY35VGK(P) | MSZ-AY35VGK(P) | MSZ-AY42VGK(P) | MSZ-AY42VGK(P) | MSZ-AY50VGK(P) | MSZ-AY50VGK(P) |
| Outdoor I | Unit | | | MUZ-AY15VG | MUZ-AY20VG | MUZ-AY25VG | MUZ-AY25VGH | MUZ-AY35VG | MUZ-AY35VGH | MUZ-AY42VG | MUZ-AY42VGH | MUZ-AY50VG | MUZ-AY50VGH |
| Refrigerar | nt | | | | R32 ⁽¹¹⁾ | | | | | | | | |
| Power | Source | | | | | | | Outdoor Po | ower supply | | | | |
| Supply | Outdoor (V / Ph | ase / Hz) | | | | | | | ngle/50 | | | | |
| | Design load | , | kW | 1.5 | 2.0 | 2.5 | 2.5 | 3.5 | 3.5 | 4.2 | 4.2 | 5.0 | 5.0 |
| | Annual electricity | consumption (*2) | kWh/a | 72 | 81 | 100 | 100 | 141 | 141 | 186 | 186 | 232 | 232 |
| | SEER (*4) | | | 7.2 | 8.6 | 8.7 | 8.7 | 8.7 | 8.7 | 7.9 | 7.9 | 7.5 | 7.5 |
| Cooling | - | Energy efficiency class | | A++ | A+++ | A+++ | A+++ | A+++ | A+++ | A++ | A++ | A++ | A++ |
| J J J | | Rated | kW | 1.5 | 2.0 | 2.5 | 2.5 | 3.5 | 3.5 | 4.2 | 4.2 | 5.0 | 5.0 |
| | Capacity | Min-Max | kW | 0.5-2.2 | 0.6-2.7 | 0.9-3.4 | 0.9-3.4 | 1.1-3.8 | 1.1-3.8 | 0.9-4.5 | 0.9-4.5 | 1.4-5.4 | 1.4-5.4 |
| | Total Input | Rated | kW | 0.370 | 0.460 | 0.600 | 0.600 | 0.990 | 0.990 | 1.300 | 1.300 | 1.540 | 1.540 |
| | Design load | | kW | 1.6 (-10°C) | 2.3 (-10°C) | 2.4 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 3.8 (-10°C) | 4.2 (-10°C) | 4.2 (-10°C) |
| | | at reference design temperature | kW | 1.6 (-10°C) | 2.3 (-10°C) | 2.4 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 3.8 (-10°C) | 4.2 (-10°C) | 4.2 (-10°C) |
| | Declared | at bivalent temperature | kW | 1.6 (-10°C) | 2.3 (-10°C) | 2.4 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 3.8 (-10°C) | 4.2 (-10°C) | 4.2 (-10°C) |
| | Capacity | at operation limit temperature | kW | 1.6 (-15°C) | 1.8 (-20°C) | 1.9 (-20°C) | 1.9 (-20°C) | 2.0 (-20°C) | 2.0 (-20°C) | 2.7 (-20°C) | 2.7 (-20°C) | 3.0 (-20°C) | 3.0 (-20°C) |
| | Back up heating | | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) |
| Heating | | ty consumption (*2) | kWh/a | 558 | 766 | 697 | 709 | 863 | 880 | 1131 | 1146 | 1248 | 1265 |
| (Average | SCOP (*4) | , | | 4.0 | 4.2 | 4.8 | 4.7 | 4.7 | 4.6 | 4.7 | 4.6 | 4.7 | 4.6 |
| Season)(*5) | | Energy efficiency class | | A+ | A+ | A++ | A++ |
| | | Rated | kW | 2.0 | 2.5 | 3.2 | 3.2 | 4.0 | 4.0 | 5.2 | 5.2 | 5.5 | 5.5 |
| | Capacity | Min | kW | 0.5 | 0.5 | 1.0 | 1.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.4 | 1.4 |
| | | Max at 7°C | kW | 3.1 | 3.5 | 4.1 | 4.1 | 4.6 | 4,6 | 6.0 | 6.0 | 7.3 | 7.3 |
| | Total Input | Rated | kW | 0.500 | 0,600 | 0.780 | 0.780 | 1.030 | 1.030 | 1.390 | 1.390 | 1.470 | 1.470 |
| Operatin | g Current (Max) | 1 atou | A | 5.5 | 7.0 | 7.6 | 7.6 | 7.6 | 7.6 | 9.9 | 9,9 | 13.8 | 13.8 |
| operating | Input | Rated | kW | 0.017 | 0.019 | 0.026 | 0.026 | 0.026 | 0.026 | 0.032 | 0.032 | 0.032 | 0.032 |
| | Operating Curre | | A | 0.17 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| | Dimensions | H*W*D | mm | 250-760-199 | 250-760-199 | 299-798-245 | 299-798-245 | 299-798-245 | 299-798-245 | 299-798-245 | 299-798-245 | 299-798-245 | 299-798-245 |
| | Weight | 11110 | kg | VGKP 9.1, VGK 8.9 | VGKP 9.1, VGK 8.9 | VGKP:11, VGK:10.5 | VGKP:11, VGK:10. |
| Indoor | Air Volume | Cooling | m ³ /min | 2.8 - 3.7 - 4.4 - 5.2 - 6.1 | 2.8 - 3.7 - 4.4 - 5.2 - 6.6 | | 3.6-5.0 - 6.3 - 7.8-10.5 | 3.6-5.0-6.3-7.8-11.1 | 3.6-5.0-6.3-7.8-11.1 | 4.5 - 5.7 - 7.0 - 8.4 - 10.5 | 4.5 - 5.7 - 7.0 - 8.4 - 10.5 | 5.2 - 6.4 - 7.5 - 9.1 - 11.7 | 5.2 - 6.4 - 7.5 - 9.1 - 11 |
| Unit | (SLo-Lo-Mid-Hi-SHi ^(*3)) | Heating | m ³ /min | 2.8 - 3.9 - 4.5 - 5.4 - 6.1 | 2.8 - 3.9 - 4.5 - 5.4 - 7.1 | 4.0 - 5.0 - 6.6 - 8.0 - 11.8 | 4.0 - 5.0 - 6.6 - 8.0 - 11.8 | 4.0 - 5.0 - 6.6 - 8.0 - 11.8 | 4.0 - 5.0 - 6.6 - 8.0 - 11.8 | | 4.4 - 5.4 - 7.0 - 8.6 - 12.9 | 4.8 - 5.7 - 7.3 - 9.1 - 12.9 | 4.8 - 5.7 - 7.3 - 9.1 - 12 |
| | Sound Level (SPL) | Cooling | dB(A) | 19 ⁽¹⁶⁾ - 26 - 30 - 35 - 40 | 19 ^{rej} - 26 - 30 - 35 - 42 | | 18 - 24 - 30 - 36 - 42 | 18 - 24 - 30 - 36 - 42 | 18 - 24 - 30 - 36 - 42 | | 21 - 29 - 34 - 38 - 42 | 28 - 33 - 36 - 40 - 44 | 28 - 33 - 36 - 40 - 4 |
| | (SLo-Lo-Mid-Hi-SHi ^(*3)) | Heating | dB(A) | 19 ⁽¹⁶⁾ - 26 - 30 - 35 - 40 | 19 ⁽¹⁶⁾ - 26 - 30 - 35 - 42 | | | 18 - 24 - 31 - 38 - 45 | 18 - 24 - 31 - 38 - 45 | | 21 - 29 - 35 - 40 - 45 | | 28 - 33 - 38 - 43 - 4 |
| | Sound Level (PWL) | Cooling | dB(A) | 54 | 57 | 57 | 57 | 57 | 57 | 57 | 57 | 58 | 58 |
| | Dimensions | H*W*D | mm | 538-699-249 | 550-800-285 | 550-800-285 | 550-800-285 | 550-800-285 | 550-800-285 | 550-800-285 | 550-800-285 | 714-800-285 | 714-800-285 |
| | Weight | | kg | 23 | 27.5 | 27 | 27 | 28.5 | 28.5 | 34 | 34 | 40.5 | 40.5 |
| | | Cooling | rs m³/min | 26 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 34 | 32 | 40.5 | 40.5 |
| | Air Volume | Heating | m ³ /min | 20 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 28.1 | 28.1 | 37.4 | 37.4 |
| Outdoor | | Cooling | dB(A) | 45 | 47 | 47 | 47 | 49 | 49 | 50 | 50 | 52 | 52 |
| Unit | Sound Level (SPL) | Heating | dB(A) | 45 | 47 | 48 | 47 | 50 | 50 | 51 | 51 | 52 | 52 |
| | Sound Level (PWL) | Cooling | dB(A) | 58 | 59 | 59 | 59 | 61 | 61 | 61 | 61 | 64 | 64 |
| | Operating Curre | | A | 5.3 | 6.8 | 7.3 | 7.3 | 7.3 | 7.3 | 9.6 | 9.6 | 13.5 | 13.5 |
| | Breaker Size | ant (midA) | A | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 16 | 16 |
| | Diameter | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 |
| Ext. | Chargeless piping lengh | Out-In | m | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 | 7.5 |
| Piping | Max.Length | Out-In | m | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Max.Height | Out-In | m | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Cuerert | | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 |
| Range (O | ed Operating | Heating | °C | -10 ~ +40 | -10 ~ +40 | -10 ~ +40 -20 ~ +24 | -10 ~ +40 | -10 ~ +40 | -10 ~ +40 -20 ~ +24 | -10 ~ +40 | -10 ~ +40 | -10 ~ +40 | -10 ~ +40 |
| | | r ieaui ly | | -10 ~ +24 | -20 ~ +24 | -20 ~ +24 | -20~+24 | -20~+24 | -20 ~ +24 | -20 ~ +24 | -20 ~ +24 | -20~+24 | -20 ~ +24 |

 Heating
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| MSZ-AP series | JOINT LED DO FAIL MADE DO FAIL MADE | | | | | |
|---|--|--|--|--|--|--|
| Indoor Unit R32 R410A *VGK model Wi-Fi Interface built-in. | Outdoor Unit R32 Remote Controller | | | | | |
| MSZ-AP60/71VG(K) | MUZ-AP60VG MUZ-AP71VG2 | | | | | |
| Image: Natural Econo Cool Natural White & VElocking Filter Air Purifying Econo Sould So | Statuto Weekly Imer Cooling Low Temp Cooling | | | | | |
| Group Control Optional Cytowal | Back Light Flare connection Flare Set Recall | | | | | |

| | | | | | Inverter Heat Pump |
|--|--|---------------------------------|----------|---------------------------------|--|
| oor Ur | nit | | | MSZ-AP60VG(K) | MSZ-AP71VG(K) |
| door I | Unit | | | MUZ-AP60VG | MUZ-AP71VG |
| rigerar | nt | | | Sir | ngle: R32 ^(*1) / Multi: R32 ^(*1) |
| ver | Source | | | (| Outdoor Power supply |
| | Unit Source Outdoor (V / Phase / Hz) Design load KW Annual electricity consumption ^(%) KW/a SEER ^(*) Energy efficiency class Capacity Rated KW Total Input Pated KW Declared Capacity Capac | | | 230 / Single / 50 | |
| poling C | | , | kW | 6.1 | 7.1 |
| | Annual electricity | consumption (*2) | kWh/a | 288 | 345 |
| arting a construction of the second s | | • | · · · · | 7.4 | 7.2 |
| oling | | Energy efficiency class | ; | A++ | A++ |
| | | | | 6.1 | 7.1 |
| 1 | Capacity | Min-Max | kW | 1.4-7.3 | 2.0-8.7 |
| | Total Input Rated | | kW | 1.590 | 2.010 |
| Antiperson and a second | | | kW | 4.6 (-10°C) | 6.7 (-10°C) |
| toor Unit tidoor Unit frigerant pply Out pply Out series ating ating ating ating ating ating ating ating ating be cal ating be cal ating atin atin ating atin ating atin atin atin ating ating ating ating a | | at reference design temperature | | 4.6 (-10°C) | 6.7 (-10°C) |
| | | | | 4.6 (-10°C) | 6.7 (-10°C) |
| | Capacity | | | 3.7 (-15°C) | 5.4 (-15°C) |
| Average Average (A | | | | 0.0 (-10°C) | 0.0 (-10°C) |
| | | | | 1398 | 2126 |
| | | | NVII/4 | 4.6 | 4.4 |
| | 0000 | Energy efficiency class | | 4.0 A++ | A+ |
| | | | | 6.8 | 8.1 |
| | Capacity | | | 2.0-8.6 | 2.2-10.3 |
| | Total Input | | | 1.670 | 2.120 |
| eratin | | Hatoo | | 14.1 | 16.4 |
| crating | | Bated | | 0.049 | 0.045 |
| | | | | 0.5 | 0.4 |
| | | | | 325-1100-257 | 325-1100-257 |
| loor it Solution | | IT W D | | 16.0 | 17.0 |
| | | Cooling | | 9.4 - 11.0 - 13.2 - 16.0 - 18.9 | 9.6 - 11.5 - 13.2 - 15.3 - 18.6 |
| | Air volume | | | 10.8-13.4-15.4-17.4-20.3 | 10.2-11.5 - 13.2 - 15.3 - 19.2 |
| | | | | 29 - 37 - 41 - 45 - 48 | 30 - 37 - 41 - 45 - 49 |
| | | | | 30 - 37 - 41 - 45 - 48 | 30 - 37 - 41 - 45 - 51 |
| | | <u> </u> | | 65 | 65 |
| | . , | | | 714-800-285 | 880-840-330 |
| I | | | | 40 | 53 |
| | weight | Cooling | | 52.1 | 63.7 |
| I | Air Volume | | | 52.1 | 57.7 |
| | | <u> </u> | | 52.1 | 56 |
| t | Sound Level (SPL) | | | 57 | 55 |
| I | Sound Lough (DM/L) | | | 69 | 69 |
| I | | | | 13.6 | 16.0 |
| l | | nr (widX) | | 13.6 | 20 |
| | | 1 :== ::=1/0=== | | | |
| . ' | | | | 6.35 / 12.7 | 6.35 / 12.7 |
| | | | | 30 | 30 |
| | Max.Height | Out-In | m | 15 | 15 |
| | ed Operating | Cooling Heating | °C °C | -10 ~ +46 -15 ~ +24 | -10 ~ +46 -15 ~ +24 |

(1) Refrigerant laskage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with ligher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant thid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant clicuit yourself or 625 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant clicuit yourself or 625 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant clicuit to (2) Energy consumption hased on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located. (3) SH: Super High (4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season". (5) Please see page 53-54 for heating (warmer season) specifications.



Stylish Line-up Matches Any Room Décor

The streamlined wall-mounted indoor units have eloquent silver-bevelled edges, expressing sophistication and quality. Combining impressively low power consumption and quiet yet powerful performance, these units provide a bestmatch scenario for diverse interior designs while simultaneously ensuring maximum room and energy savings.



Energy-efficient Operation

All models in the series have achieved high energy-savings rating, and are contributing to reduced energy consumption in homes, offices and a range of other settings. Offered in a variety of output capacities and installation patterns, the vast applicability promises an ideal match for any user.

| \sim | Outdoor | Rank A for single connection | Compatibility | | | | | | | | |
|--------|---------------|------------------------------|---------------|--------------|--------|--------------|--------------|--------|--|--|--|
| | | MUZ-EF25/35VG(H) | MXZ | | | | | | | | |
| Indoor | MUZ-EF42/50VG | | 2F33VF | 2F42VF | 2F53VF | 3F54VF | 3F68VF | 4F72VF | | | |
| MSZ-EF | F18VG | - | ~ | \checkmark | ~ | \checkmark | \checkmark | ~ | | | |
| MSZ-EF | F22VG | - | ~ | \checkmark | ~ | ~ | ~ | ~ | | | |
| MSZ-EF | F25VG | A + + + / A++ (A++*) | ~ | ~ | ~ | ~ | ~ | ~ | | | |
| MSZ-EF | F35VG | A +++ / A++ (A+*) | | ~ | ~ | ~ | ~ | ~ | | | |
| MSZ-EF | F42VG | A + + / A++ | | | ~ | ~ | ~ | ~ | | | |
| MSZ-EF | F50VG | A + + / A+ | | | ~ | \checkmark | ~ | ~ | | | |

Quiet Comfort All Day Long

Mitsubishi Electric's advanced "Silent Mode" fan speed setting provides super-quiet operation as low as 19dB for EF18/22/25 models for cooling. This unique feature makes the Kirigamine ZEN series ideal for use in any situation.

Superior Exterior and Operating Design Concept

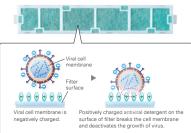
The indoor unit of the Kirigamine ZEN keeps its amazingly thin form even during operation. The only physical change notable is the movement of the variable vent. As a result, a slim attractive look is maintained.



V Blocking Filter

V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold

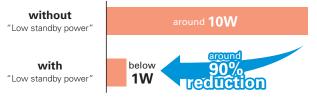
and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.





Low Standby Power

Electrical devices consume standby power even when they are not in actual use. While we obviously strive to reduce power consumption during actual use, reducing this wasted power that cannot be seen is also very important.



Outdoor Units for Cold Region

Single split-type outdoor units are available in both standard and heater-equipped units. An electric heater is installed in each unit to prevent freezing in cold outdoor environments.

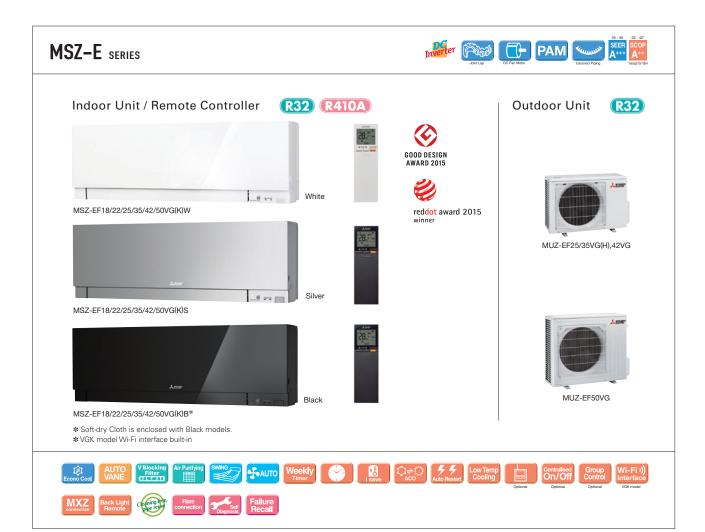




(25/35)

MUZ-EF25/35VG

MUZ-EF25/35VGH



| Туре | | | | | | | Inverter H | eat Pump | | | |
|---|---|---|---------------------------|--|--------------------------------------|------------------------------|--------------------------------------|------------------------------|--|---------------|-----------------------|
| Indoor Ur | nit | | | MSZ-EF18VG(K) | MSZ-EF22VG(K) | MSZ-EF25VG(K) | MSZ-EF25VG(K) | MSZ-EF35VG(K) | MSZ-EF35VG(K) | MSZ-EF42VG(K) | MSZ-EF50VG(K) |
| Indoor Unit MSZ-EF18VG(K) MSZ-EF22VG(K) MSZ-EF25VG(K) MSZ-EF35VG(K) MSZ-EF35V | | | | | MUZ-EF42VG | MUZ-EF50VG | | | | | |
| Refrigera | nt | | | R32 ⁽¹⁾ | | | | | | | |
| Power | Source | | | | | | Outdoor Po | wer supply | | | |
| Supply | Outdoor (V / Ph | ase / Hz) | | | | | 230/Si | ngle/50 | | | |
| | Design load | | kW | - | - | 2.5 | 2.5 | 3.5 | 3.5 | 4.2 | 5.0 |
| | Annual electricity consumption (*2) k | | kWh/a | - | - | 96 | 96 | 139 | 139 | 186 | 233 |
| | SEER (4) | | | - | - | 9.1 | 9.1 | 8.8 | 8.8 | 7.9 | 7.5 |
| Cooling | | Energy efficiency class | | - | - | A+++ | A+++ | A+++ | A+++ | A++ | A++ |
| | Consoitu | Rated | kW | - | - | 2.5 | 2.5 | 3.5 | 3.5 | 4.2 | 5.0 |
| | Capacity | Min-Max | kW | - | - | 0.9-3.4 | 0.9-3.4 | 1.1-4.0 | 1.1-4.0 | 0.9-4.6 | 1.4-5.4 |
| | Total Input | Rated | kW | - | - | 0.540 | 0.540 | 0.910 | 0.910 | 1.200 | 1.540 |
| | Design load | 1 | kW | - | - | 2.4 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 4.2 (-10°C) |
| | | at reference design temperature | kW | - | - | 2.4 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 4.2 (-10°C) |
| | | | kW | - | - | | | | . , | 3.8 (-10°C) | 4.2 (-10°C) |
| | Capacity | at operation limit temperature | kW | - | - | 2.0 (-15°C) | 1.6 (-20°C) | 2.4 (-15°C) | 1.7 (-20°C) | 3.4 (-15°C) | 3.5 (-15°C) |
| Heating | Back up heating | | kW | - | - | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) |
| Average | | Annual electricity consumption (*2) kWh/a | | | - | 713 | 727 | 882 | 900 | 1151 | 1304 |
| Season) ^(*5) | SCOP (*4) | | | - | - | 4.7 | 4.6 | 4.6 | 4,5 | 4.6 | 4.5 |
| | | Energy efficiency class | | - | - | A++ | A++ | A++ | A+ | A++ | A+ |
| | | Rated | kW | - | - | 3.2 | 3.2 | 4.0 | 4.0 | 5.4 | 5.8 |
| | Capacity | Min-Max | kW | - | - | 1.0-4.2 | 1.0-4.2 | 1.3-5.1 | 1.3-5.1 | 1.3-6.3 | 1.4-7.5 |
| | Total Input | Rated | kW | - | _ | 0.700 | 0.700 | 0.950 | 0.950 | 1.455 | 1.560 |
| Oporatin | g Current (Max) | nateu | A | - | - | 7.1 | 7.1 | 7.1 | 7.1 | 10.0 | 14 |
| operatin | Input | Rated | kW | 0.026 | 0.026 | 0.026 | 0.026 | 0.030 | 0.030 | 0.033 | 0.043 |
| | Operating Curre | | A | 0.020 | 0.020 | 0.020 | 0.026 | 0.030 | 0.030 | 0.033 | 0.043 |
| | Dimensions | H*W*D | mm | 299-885-195 | 299-885-195 | 299-885-195 | 299-885-195 | 299-885-195 | 299-885-195 | 299-885-195 | 299-885-195 |
| | | HWD | | | | | | | | | |
| Indoor | Weight | Oline | kg m ³ /min | 11.5 4.0 - 4.6 - 6.3 - 8.3 - 10.5 | 11.5 4.0 - 4.6 - 6.3 - 8.3 - 10.5 | 11.5 | 11.5 4.0 - 4.6 - 6.3 - 8.3 - 10.5 | 11.5 | 11.5 4.0 - 4.6 - 6.3 - 8.3 - 10.5 | 11.5 | 11.5 |
| Unit | Air Volume (SLo-Lo-Mid-Hi-SHi ^(*3)) | Cooling | | | | | | 4.0 - 4.6 - 6.3 - 8.3 - 10.5 | | | |
| | . , | Heating | m ³ /min | 4.0 - 4.6 - 6.2 - 8.9 - 11.9 | 4.0 - 4.6 - 6.2 - 8.9 - 11.9 | 4.0 - 4.6 - 6.2 - 8.9 - 11.9 | 4.0 - 4.6 - 6.2 - 8.9 - 11.9 | 4.0 - 4.6 - 6.2 - 8.9 - 12.7 | 4.0 - 4.6 - 6.2 - 8.9 - 12.7 | | |
| | Sound Level (SPL) (SLo-Lo-Mid-Hi-SHi ^(*3)) | Cooling | dB(A) | 19 - 23 - 29 - 36 - 42 21 - 24 - 29 - 37 - 45 | 19 - 23 - 29 - 36 - 42 | 19 - 23 - 29 - 36 - 42 | 19 - 23 - 29 - 36 - 42 | 21 - 24 - 30 - 36 - 42 | 21 - 24 - 30 - 36 - 42 21 - 24 - 30 - 38 - 46 | | 30 - 33 - 36 - 40 - 4 |
| | | Heating | dB(A) | | | | 21 - 24 - 29 - 37 - 45 | | | | 30 - 33 - 37 - 43 - 4 |
| | Sound Level (PWL) | Cooling | dB(A) | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| | Dimensions | H*W*D | mm | - | - | 550-800-285 | 550-800-285 | 550-800-285 | 550-800-285 | 550-800-285 | 714-800-285 |
| | Weight | | kg | - | - | 31 | 31 | 34 | 34 | 35 | 40 |
| | Air Volume | Cooling | m³/min | - | - | 27.8 | 27.8 | 34.3 | 34.3 | 32.0 | 40.2 |
| Outdoor | | Heating | m³/min | - | - | 29.8 | 29.8 | 32.7 | 32.7 | 32.7 | 40.2 |
| Unit | Sound Level (SPL) | Cooling | dB(A) | - | - | 47 | 47 | 49 | 49 | 50 | 52 |
| | | Heating | dB(A) | - | - | 48 | 48 | 50 | 50 | 51 | 52 |
| | Sound Level (PWL) | Cooling | dB(A) | - | - | 58 | 58 | 62 | 62 | 62 | 65 |
| | Operating Curre | nt (Max) | A | - | - | 6.8 | 6.8 | 6.8 | 6.8 | 9.6 | 13.6 |
| | Breaker Size | | A | - | - | 10 | 10 | 10 | 10 | 12 | 16 |
| | Diameter | Liquid/Gas | mm | - | - | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 |
| Ext. Piping | Max.Length | Out-In | m | - | - | 20 | 20 | 20 | 20 | 20 | 30 |
| ripilig | Max.Height | Out-In | m | - | - | 12 | 12 | 12 | 12 | 12 | 15 |
| Guarante | ed Operating | Cooling | °C | - | - | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 |
| | outdoor) | Heating | °C | i | i | -15 ~ +24 | -20 ~ +24 | -15 ~ +24 | -20 ~ +24 | -15 ~ +24 | -15 ~ +24 |

(1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that 11 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or KR2 is 675 in the IPCC 4th Assessment the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment the reproduct yourself or C4th Assessment the resonance of the structure reproduct yourself or C4th Assessment the reproduct yourself or C4th Assessment Report. (2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located. (3) SHI: Super High (4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season". (5) Please see page 53-54 for heating (warmer season) specifications.

FT VGHZ Single / Multi SERIES

Unlike conventional air conditioning systems, the FT Series don't lose heating capacity when it's cold outside. Original technologies ensure excellent heating performance under extremely low outdoor temperatures and an impressive guaranteed operating range. Furthermore, the smaller and stylish indoor unit does not give you the limitation of installation location.



MSZ-FT25/35/50VG(K)

Compact Design

The FT series features its compact design with 280mm height and 229mm depth, which is suitable for the installation above the door.

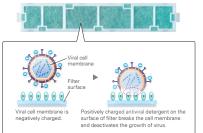


V Blocking Filter (Optional)

V Blocking Filter

V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold

and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



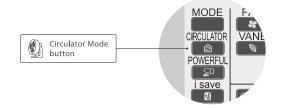
Remote Controller with Backlight

The remote controller screen is equipped with an LED backlight. The luminous screen allows you to check the setting easily even in the dark.



Circulator Mode

After reaching the target temperature, heating mode will automatically switch to Circulator mode, which makes the unit go into "fan-only" state and mixes warm air in the room.





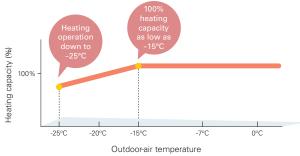
Built-in Wi-Fi

(MSZ-FT25/35/50VGK)

Mitsubishi Electric Wi-Fi Control gives you the freedom to tailor your heating and cooling needs through computers, tablets, or smart-phones from anywhere.

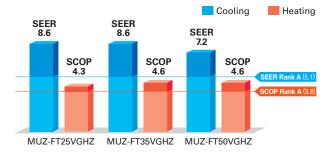
Hyper Heating

Mitsubishi Electric's powerful compressor and highly cold-resistant parts enable the heat pump to provide 100% or more heating capacity even at -15° C, and also the heating operation is guaranteed down to -25° C.



High Energy Efficiency – Energy Rank of A+ or higher for All Models

With indoor units that combine functionality, design and capacity and outdoor units equipped with a high-efficiency compressor, the MUZ-FT VGHZ simultaneously achieves high heating capacity and energy-saving performance.



(MSZ-FT25/35/50VG(K)-SC Scandinavian Model)



Image is for illustration purposes

| MSZ-FT VGHZ series | Inverter Core Have Do Fan Mary Do Gover Pary | | |
|----------------------------------|--|---|--|
| Indoor Unit | Outdoor Unit | Remote Controller | |
| MSZ-FT25/35/50VG(K) | MUZ-FT25VGHZ | | |
| Econo Cool 4/4T Coy | kly | Group Optional Control Optional Optional Optional | |
| Wi-Fi J) Interface Vex.ory | Self Recall | | |

| Туре | | | | | Inverter Heat Pump | | |
|------------|----------------------------------|---------------------------------|---------------------|-------------------------------|--------------------------------|--------------------------------|--|
| door Ur | it | | | MSZ-FT25VG(K) | MSZ-FT35VG(K) | MSZ-FT50VG(K) | |
| utdoor l | Jnit | | | MUZ-FT25VGHZ | MUZ-FT35VGHZ | MUZ-FT50VGHZ | |
| efrigera | nt | | | | R32 (* 1) | | |
| ower | Source | | | | Outdoor power supply | | |
| upply | Outdoor (V/Phase/H | łz) | | | 230 / Single / 50 | | |
| Cooling | Design Load | | kW | 2.5 | 3.5 | 5.0 | |
| | Annual Electricity Co | onsumption (*2) | kWh/a | 101 | 142 | 243 | |
| | SEER (*4) | | | 8.6 | 8.6 | 7.2 | |
| | | Energy Efficiency Class | | A+++ | A+++ | A++ | |
| | Capacity | Rated | kW | 2.5 | 3.5 | 5.0 | |
| | | Min - Max | kW | 0.8 - 3.5 | 0.8 - 4.0 | 0.8 - 5.2 | |
| | Total Input | Rated | kW | 0.580 | 0.910 | 1.630 | |
| leating | Design Load | | kW | 3.2 (-10°C) | 4.0 (-10°C) | 5.0 (-10°C) | |
| Average | Declared Capacity | at reference design temperature | kW | 3.2 (-10°C) | 4.0 (-10°C) | 5.0 (-10°C) | |
| eason)(*5) | | at bivalent temperature | kW | 3.2 (-10°C) | 4.0 (-10°C) | 5.0 (-10°C) | |
| | | at operation limit temperature | kW | 3.0 (-25°C) | 3.4 (-25°C) | 3.6 (-25°C) | |
| | Back Up Heating Ca | pacity | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | |
| | Annual Electricity Co | | kWh/a | 973 | 1216 | 1625 | |
| | SCOP (*4) | | | 4.6 | 4.6 | 4.3 | |
| | | Energy Efficiency Class | | A++ | A++ | A+ | |
| | Capacity | Rated | kW | 3.2 | 4.0 | 5.0 | |
| | | Min - Max | | 0.9 - 6.2 | 0.9 - 6.6 | 0.9 - 7.8 | |
| | Total Input | Rated | kW | 0.760 | 1.020 | 1.300 | |
| peratin | g Current (max) | | A | 10.0 | 11.6 | 13.9 | |
| ndoor | Input | Rated | kW | 0.039 | 0.04 | 0.047 | |
| nit | Operating Current (r | nax) | A | 0.4 | | | |
| | Dimensions | H × W × D | mm | 280 - 838 - 229 | | | |
| | Weight | l. | kg | | 10 | | |
| | Air Volume | Cooling | m ³ /min | 3.9 - 5.9 - 8.2 - 10.4 - 12.3 | 3.9 - 6.1 - 8.3 - 10.7 - 13.1 | 5.5 - 7.6 - 9.8 - 12.0 - 13.1 | |
| | (SLo-Lo-Mid-Hi-SHi ^{(*} | ³⁾) Heating | m ³ /min | 3.9 - 6.3 - 9.0 - 12.0 - 13.2 | 3.9 - 6.9 - 10.2 - 13.5 - 14.7 | 5.5 - 8.4 - 11.4 - 14.4 - 15.5 | |
| | Sound Level (SPL) | Cooling | dB(A) | 19 - 27 - 36 - 41 - 46 | 19 - 27 - 36 - 42 - 47 | 28 - 34 - 40 - 45 - 48 | |
| | (SLo-Lo-Mid-Hi-SHi (* | 3) Heating | dB(A) | 19 - 31 - 39 - 46 - 49 | 19 - 33 - 42 - 49 - 52 | 28 - 36 - 45 - 51 - 54 | |
| | Sound Level (PWL) | 1 - | dB(A) | | 60 | | |
| utdoor | Dimensions | H × W × D | mm | 550 - 800 - 285 | 714 - 800 - 285 | 714 - 800 - 285 | |
| Jnit | Weight | · | kg | 34 | 40 | 40 | |
| | Air Volume | Cooling | m³/min | 30.4 | 40.2 | 40.2 | |
| | | Heating | m³/min | 30.4 | 40.2 | 40.2 | |
| | Sound Level (SPL) | Cooling | dB(A) | 46 | 49 | 51 | |
| | | Heating | dB(A) | 49 | 52 | 54 | |
| | Sound Level (PWL) | Cooling | dB(A) | 60 | 61 | 64 | |
| | Operating Current (r | nax) | A | 9.6 | 11.2 | 13.5 | |
| | Breaker Size | | A | 12 | 12 | 16 | |
| xt. | Diameter | Liquid / Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | |
| Piping | Max. Length | Out-In | m | 20 | 30 | 30 | |
| | Max. Height | Out-In | m | 12 | 15 | 15 | |
| Guarantee | d Operating Range | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | |
| Outdoor] | | Heating | °C | -25 ~ +24 | -25 ~ +24 | -25 ~ +24 | |

 Instruction
 Imaging
 C
 -25 ~ +24
 -25 ~ +24
 -25 ~ +24

 (*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
 -26 ~ +24
 -26 ~ +24
 -25 ~ +24
 -25 ~ +24
 -26 ~ +24
 -26 ~ +24

 This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher the off 41 SEB, 2088 in the IPCC 4th Assessment Report.
 (*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
 (*3) SEE, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season."

 (*5) Please see page 53-54 for heating (warmer season) specifications.

MSZ-BT SERIES

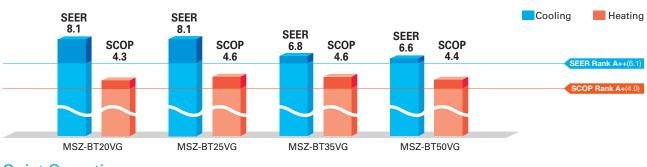
The BT series featured with its high performance, energy efficiency, and simplicity of use brings greater comfort to your room.

High Energy Efficiency for Entire Range of Series

Inverter A++ 20-50 25/35 SCOP A++ A++

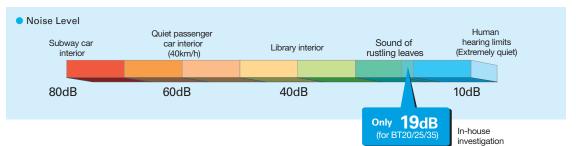
All models in the series, from the low-capacity 20 to the high-capacity 50, have achieved the "Rank A⁺⁺" for SEER and size 25 and 35 have achived the "Rank A⁺⁺" for SCOP as energy-savings rating. For home use, such as in bedrooms and living rooms, to light commercial use, such as in offices, our air conditioners are contributing to reduced energy consumption in a wide range.

MSZ-BT20/25/35/50VG(K)



Quiet Operation

The indoor unit noise level is as low as 19dB for AP Series, offering a peaceful inside environment.



New Remote Controller

New stylish and compact remote controller features easy-read big display and simple button position with fundamental functions.



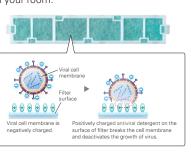
The indoor unit is equipped with a Wi-Fi Interface inside an exclusive pocket in the unit.

Built-in Wi-Fi Interface (MSZ-BT20/25/35/50VGK)

This eliminates the need to install a Wi-Fi interface, and also contributes to the beautiful appearance since the interface is hidden.

V Blocking Filter

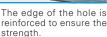
V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



Back Plate with a Hole

With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.





| MSZ-BT SERIES | | Concert Parts Occore Parts |
|---|--|----------------------------------|
| Indoor Unit R32 | Outdoor Unit | Remote Controller |
| MSZ-BT20/25/35/50VG(K) | WIZ-BT2OVG MIZ-BT25/351 WIZ-BT2OVG MIZ-BT25/351 WIZ-BT2OVG MIZ-BT25/351 | VG |
| Natural Econo Cool AUTO VElocking Fitter Ar Puttying SMMG Vinite VANE Fitter Econo Cool SMMG Night Image: Connection Fitter Econo Cool SMMG | Auto Restart Low Temp Cooling Optional | Vi-Fi)) Interface VOK ONY |

| Гуре | | | | Inverter Heat Pump | | | | | | |
|----------------------------------|----------------------------------|---------------------------------|---------------------|------------------------------|------------------------------|------------------------------|-------------------------------|--|--|--|
| ndoor Ur | nit | | | MSZ-BT20VG(K) | MSZ-BT25VG(K) | MSZ-BT35VG(K) | MSZ-BT50VG(K) | | | |
| utdoor I | Unit | | | MUZ-BT20VG | MUZ-BT25VG | MUZ-BT35VG | MUZ-BT50VG | | | |
| efrigera | nt | | | | F | 32(1) | | | | |
| ower | Source | | | | Outdoor F | Power supply | | | | |
| Supply Outdoor (V / Phase / Hz) | | | | | 230V/S | ingle/50Hz | | | | |
| | Design load | | kW | 2.0 | 2.5 | 3.5 | 5.0 | | | |
| | Annual electricity | consumption (*2) | kWh/a | 86 | 108 | 180 | 265 | | | |
| | SEER (14) | | | 8.1 | 8.1 | 6.8 | 6.6 | | | |
| ooling | | Energy efficiency class | | A++ | A++ | A++ | A++ | | | |
| | Capacity | Rated | kW | 2.0 | 2.5 | 3.5 | 5.0 | | | |
| | Capacity | Min-Max | kW | 0.5-2.9 | 0.5-3.0 | 0.9-3.5 | 1.3-5.0 | | | |
| | Total Input | Rated | kW | 0.450 | 0.700 | 1.240 | 2.050 | | | |
| | Design load | · | kW | 1.5 (-10°C) | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | | | |
| | | at reference design temperature | kW | 1.5 (-10°C) | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | | | |
| | Declared Capacity | at bivalent temperature | kW | 1.5 (-10°C) | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | | | |
| | | at operation limit temperature | kW | 1.3 (-15°C) | 1.7 (-15°C) | 2.1 (-15°C) | 3.4 (-15°C) | | | |
| ating | Back up heating | capacity | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | | | |
| erage | Annual electricity | consumption (*2) | kWh/a | 487 | 577 | 727 | 1209 | | | |
| ason) ^(*5) | SCOP (*4) | | | 4.3 | 4.6 | 4.6 | 4.4 | | | |
| | | Energy efficiency class | | A+ | A++ | A++ | A+ | | | |
| | | Rated | kW | 2.5 | 3.15 | 3.6 | 5.4 | | | |
| | Capacity | Min-Max | kW | 0.7-3.2 | 0.7-3.5 | 0.9-4.1 | 1.4-6.5 | | | |
| | Total Input | Rated | kW | 0.550 | 0.750 | 0.930 | 1.550 | | | |
| peratin | g Current (Max) | | A | 5.6 | 7.0 | 7.0 | 10.0 | | | |
| | Input | Rated | kW | 0.024 | 0.024 | 0.031 | 0.037 | | | |
| | Operating Current(Max) | | A | 0.25 | 0.25 | 0.31 | 0.35 | | | |
| | Dimensions | H*W*D | mm | 280-838-235 | 280-838-235 | 280-838-235 | 280-838-235 | | | |
| | Weight | Veight | | 9 | 9 | 9 | 9 | | | |
| door nit | Air Volume | Cooling | m ³ /min | 4.2 - 5.2 - 6.8 - 8.7 - 10.9 | 4.2 - 5.2 - 6.8 - 8.7 - 10.9 | 4.2 - 5.2 - 6.8 - 8.7 - 13.2 | 6.3 - 7.6 - 9.0 - 11.0 - 13.2 | | | |
| | (Lo-Mid-Hi-SHi ^(*3)) | Heating | m ³ /min | 4.2 - 5.0 - 6.8 - 9.0 - 11.9 | 4.2 - 5.0 - 6.8 - 9.0 - 11.9 | 4.2 - 5.0 - 6.8 - 9.0 - 11.9 | 6.0 - 7.8 - 9.9 - 11.9 - 14.1 | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 19 - 22 - 30 - 37 - 43 | 19 - 22 - 30 - 37 - 43 | 19 - 22 - 31 - 38 - 46 | 29 - 33 - 36 - 40 - 46 | | | |
| | (Lo-Mid-Hi-SHi ^(*3)) | Heating | dB(A) | 20 - 23 - 30 - 37 - 43 | 20 - 23 - 30 - 37 - 43 | 20 - 23 - 30 - 37 - 44 | 29 - 33 - 38 - 43 - 48 | | | |
| | Sound Level (PWL) | Cooling | dB(A) | 57 | 57 | 60 | 60 | | | |
| | Dimensions | H*W*D | mm | 538-699-249 | 538-699-249 | 538-699-249 | 550-800-285 | | | |
| | Weight | | kg | 23 | 24 | 24 | 35 | | | |
| | Air Volume | Cooling | m³/min | 30.3 | 32.2 | 32.2 | 30.4 | | | |
| ıtdoor | Air Volume | Heating | m ³ /min | 30.3 | 32.2 | 34.6 | 32.7 | | | |
| it | Sound Level (SPL) | Cooling | dB(A) | 50 | 50 | 52 | 50 | | | |
| | | Heating | dB(A) | 50 | 50 | 52 | 51 | | | |
| | Sound Level (PWL) | Cooling | dB(A) | 63 | 63 | 64 | 64 | | | |
| | | Operating Current (Max) A | | 5.3 | 6.7 | 6.7 | 9.6 | | | |
| | Breaker Size | | A | 10 | 10 | 10 | 12 | | | |
| | Diameter | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | | | |
| ct. ping | Max.Length | Out-In | m | 20 | 20 | 20 | 20 | | | |
| P.119 | Max.Height | Out-In | m | 12 | 12 | 12 | 12 | | | |
| | ed Operating | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | | | |
| ange (C | outdoor) | Heating | °C | -15 ~ +24 | -15 ~ +24 | -15 ~ +24 | -15 ~ +24 | | | |

(1) Refrigerant lakage contributes to climate change. Refrigerant with lower global warning potential (GWP) would contribute less to global warning than a refrigerant with higher GWP, if lacked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that 11 kg of this refrigerant fluid would be lacked to the atmosphere, the impact on global warning would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant clicuit yourself or GMP equal to 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant clicuit to CO₂ for the IPCC 4th Assessment Report. (2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located. (3) SH: Super High (4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season". (5) Please see page 53-54 for heating (warmer season) specifications.

MSZ-HR SERIES

Compact, high-performance indoor and outdoor units with R32 that is low global warming potential compared with the current refrigerant R410A contribute to room comfort and to prevent global warming.

"Rank A++/A+" Energy Savings Achieved for Entire Range of Series

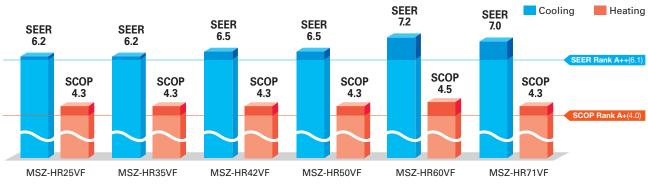


All models in the series, from capacity 25 to 71, have achieved the "Rank A⁺⁺" for SEER and "Rank A⁺" for SCOP as energy-savings rating, thanks to Mitsubishi Electric's inverter technologies which are adopted to provide automatic adjustment of operation load according to need.

R32

MSZ-HR25/35/42/50VF(K)

MSZ-HR60/71VF(K)



Simple and Friendly Design



Wi-Fi[®] and System Control

Wi-Fi Interface (Built-in) *Only VFK model

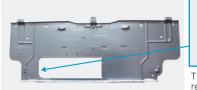
Built-in interface enabling users to control air conditioners and check operating status via devices such as personal computers, tablets and smartphones.

System Control Interface (Optional)

- •Remote on/off operation is possible by input to the connector. •Depending on the interface used, connecting a wired remote-
- control such as the PAR-41MAA is possible.
- •Centralised control is possible when connected to M-NET.
- $^{\ast}\text{Wi-Fi}$ Interface and System Control Interface cannot be used simultaneously.

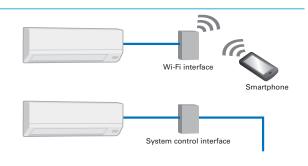
Back Plate with a Hole

With a hole as default in the center of the back plate, the piping can be easily taken out from the back. The edge of the hole is reinforced to ensure the strength.



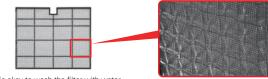


The edge of the hole is reinforced to ensure the strength.



Air Purifying Filter

This filter generates stable antibacterial and deodorising effects. The size of the three-dimensional surface has been increased as well, enlarging the filter capture area. These features give the Air Purifying Filter better dust collection performance than conventional filters. The superior air-cleaning effectiveness raises room comfort yet another level.



 It is okay to wash the filter with water (air-cleaning effect is maintained)

3D surface (Waved surface)

| MSZ-HR series | Inverter | Jost Lup DC Fai Marrie | SEER SCOP A++ A+ |
|---|---|-------------------------|----------------------|
| Indoor Unit R32 | Outdoor Unit | | Remote Controller |
| Ame | | | |
| MSZ-HR25/35/42/50VF(K) | MUZ-HR25VF | MUZ-HR35VF | |
| MSZ-HR60/71VF(K) | | WO2-11100/7191 | |
| Natural Econo Cool AUTO White V Blocking Enter Const Ar Purifying Effer Const SWNG Filter Const SWNG Filter Const Filter Const Filter Const Filter Filter Const Filter Filter Const Filter Filter Const Filter Filter Const Filter Filter Const Filter Filter Const Filter Filter Const Filter Filter Const Filter Filter Const Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter | Auto Restart Low Temp Cooling Course | On/On Control Interface | ZHA my |

| Туре | | | | Inverter Heat Pump | | | | | | |
|---------------------|---|---------------------------------|---------------------|------------------------|------------------------|-------------------------|-------------------------|---------------------------|---------------------------|--|
| Indoor Ur | nit | | | MSZ-HR25VF(K) | MSZ-HR35VF(K) | MSZ-HR42VF(K) | MSZ-HR50VF(K) | MSZ-HR60VF(K) | MSZ-HR71VF(K) | |
| Outdoor | Unit | | | MUZ-HR25VF | MUZ-HR35VF | MUZ-HR42VF | MUZ-HR50VF | MUZ-HR60VF | MUZ-HR71VF | |
| Refrigera | nt | | | | 1 | R3 | 2(*1) | 1 | 1 | |
| Power | Source | | | | | Outdoor Po | ower supply | | | |
| Supply | Outdoor (V / Ph | ase / Hz) | | | | 230V/Sir | igle/50Hz | | | |
| | Design load | | kW | 2.5 | 3.4 | 4.2 | 5.0 | 6.1 | 7.1 | |
| | Annual electricity | consumption (*2) | kWh/a | 141 | 191 | 226 | 269 | 296 | 355 | |
| | SEER (*4) | | | 6.2 | 6.2 | 6.5 | 6.5 | 7.2 | 7.0 | |
| Cooling | | Energy efficiency class | ; | A++ | A++ | A++ | A++ | A++ | A++ | |
| | a | Rated | kW | 2.5 | 3.4 | 4.2 | 5.0 | 6.1 | 7.1 | |
| | Capacity | Min-Max | kW | 0.5-2.9 | 0.9-3.4 | 1.1-4.6 | 1.3-5.0 | 1.7-7.1 | 1.8-7.3 | |
| | Total Input | Rated | kW | 0.800 | 1.210 | 1.340 | 2.050 | 1.810 | 2.330 | |
| | Design load | | kW | 1.9 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 4.6 (-10°C) | 5.4 (-10°C) | |
| | | at reference design temperature | | 1.9 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 4.6 (-10°C) | 5.4 (-10°C) | |
| | Declared | at bivalent temperature | kW | 1.9 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 4.6 (-10°C) | 5.4 (-10°C) | |
| | Capacity | at operation limit temperature | kW | 1.9 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 4.6 (-10°C) | 5.4 (-10°C) | |
| | Back up heating | | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | |
| Heating (Average | Annual electricity | | kWh/a | 614 | 781 | 928 | 1224 | 1430 | 1755 | |
| Season)(*5) | SCOP (*4) | consumption | KWII/d | 4.3 | 4.3 | 4.3 | 4.3 | 4.5 | 4.3 | |
| , , | 300F | Energy efficiency class | | 4.5 A+ | 4.5 A+ | 4.5 A+ | 4.5 A+ | 4.5 A+ | 4.5 A+ | |
| | | Rated | kW | 3.15 | 3.6 | 4.7 | 5.4 | 6.8 | 8.1 | |
| | Capacity | Min-Max | kW | 0.7-3.5 | 0.9-3.7 | 0.9-5.4 | 1.4-6.5 | 1.5-8.5 | 1.5-9.0 | |
| | Total Input | Rated | kW kW | 0.7-3.5 | 0.9-3.7 | 1.300 | 1.550 | 1.810 | 2,440 | |
| 0 | g Current (Max) | Raled | A | 5.0 | 6.7 | 8.5 | 1.550 | 14.1 | 2.440 | |
| Operatin | Input | Rated | kW | 0.020 | 0.028 | 0.032 | 0.039 | 0.055 | 0.055 | |
| | | | | 0.2 | 0.028 | 0.032 | 0.36 | 0.055 | 0.055 | |
| | Operating Curre | H*W*D | A | | | | | | | |
| | Dimensions | H-W-D | mm | 280-838-228 | 280-838-228 | 280-838-228 | 280-838-228 | 305-923-262 | 305-923-262 | |
| Indoor | Weight | 0 1 | kg | 8.5 | 8.5 | 9 | 9 | 12.5 | 12.5 | |
| Unit | Air Volume (Lo-Mid-Hi-SHi ^(*3)) | Cooling | m ³ /min | 3.6 - 5.4 - 7.2 - 9.7 | 3.6 - 5.6 - 7.8 - 11.7 | 6.0 - 8.7 - 10.8 - 13.1 | 6.4 - 9.2 - 11.2 - 13.1 | 10.4 - 12.6 - 15.4 - 19.6 | 10.4 - 12.6 - 15.4 - 19.6 | |
| | , | Heating | m ³ /min | 3.3 - 5.4 - 7.4 - 10.1 | 3.3 - 5.4 - 7.4 - 10.5 | 5.6 - 7.9 - 10.8 - 13.4 | 6.1 - 8.3 - 11.2 - 14.5 | 10.7 - 13.1 - 16.7 - 19.6 | 10.7 - 13.1 - 16.7 - 19.0 | |
| | Sound Level (SPL) (Lo-Mid-Hi-SHi ^("3)) | Cooling | dB(A) | 21 - 30 - 37 - 43 | 22 - 31 - 38 - 46 | 24 - 34 - 39 - 45 | 28 - 36 - 40 - 45 | 33 - 38 - 44 - 50 | 33 - 38 - 44 - 50 | |
| | 1 | Heating | dB(A) | 21 - 30 - 37 - 43 | 21 - 30 - 37 - 44 | 24 - 32 - 40 - 46 | 27 - 34 - 41 - 47 | 33 - 38 - 44 - 50 | 33 - 38 - 44 - 50 | |
| | Sound Level (PWL) | Cooling | dB(A) | 57 | 60 | 60 | 60 | 65 | 65 | |
| | Dimensions | H*W*D | mm | 538-699-249 | 538-699-249 | 550-800-285 | 550-800-285 | 714-800-285 | 714-800-285 | |
| | Weight | Ozzlizz | kg | 23 | 22 | 32.5 | 34 | 40 | 40 | |
| | Air Volume | Cooling | m ³ /min | 30.3 | 32.2 | 30.4 | 30.4 | 42.8 | 42.8 | |
| Outdoor | | Heating | m ³ /min | 30.3 | 32.2 | 32.7 | 32.7 | 48.3 | 48.3 | |
| Unit | Sound Level (SPL) | Cooling | dB(A) | 50 | 51 | 50 | 50 | 53 | 53 | |
| | | Heating | dB(A) | 50 | 51 | 51 | 51 | 57 | 57 | |
| | Sound Level (PWL) | Cooling | dB(A) | 63 | 64 | 64 | 64 | 65 | 66 | |
| | Operating Curre | ent (Max) | A | 4.8 | 6.4 | 8.2 | 9.6 | 13.6 | 13.6 | |
| | Breaker Size | | A | 10 | 10 | 10 | 12 | 16 | 16 | |
| Ext. | Diameter | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | 6.35 / 12.7 | |
| Piping | Max.Length | Out-In | m | 20 | 20 | 20 | 20 | 30 | 30 | |
| | Max.Height | Out-In | m | 12 | 12 | 12 | 12 | 15 | 15 | |
| | ed Operating | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | |
| Range (C | Jutdoor) | Heating | °C | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | |

(1) Refrigerant laskage contributes to climate change. Refrigerant with lower global warning potential (GWP) would contribute less to global warning the networks to climate change. Refrigerant with lower global warning optential (GWP) would contribute less to global warning the networks to climate change. Refrigerant fluid would be lasked to the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant fluid would be for the atmosphere. This appliance contains a refrigerant circuit (2) for end contains and adways as at professional. The GWP of H32 is 675 in the IPCC 4th Assessment Report. (2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located. (3) SHI: Super High (4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season". (5) Please see page 53-54 for heating (warmer season) specifications.

MSZ-DW25/35/50VF

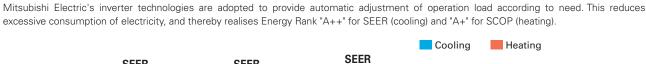
R32

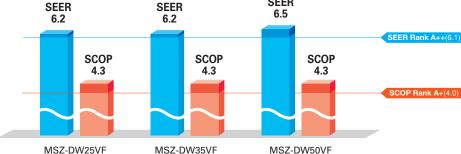
MSZ-DW SERIES

Introducing an indoor unit that is compact yet packed with a variety of features.

High energy saving performance and Air Purifying Filter bring you a comfortable indoor environment.

Energy Saving





Simple and Compact Design

The stylish design makes it a natural match for any room. The width of indoor units is compact, making installation in smaller, tighter spaces possible.



Air Purifying Filter



Air Purifying Filter generates stable antibacterial, antifungal, and deodorant effects. The three-dimensional surface expands the filter's capture area and contributes to the better dust collection performance than conventional filters.



Simple Control

The simple remote controller and functions provide the easy control solution and comforts of life.



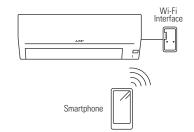
Wi-Fi and System Control

Wi-Fi Interface (Optional)

Optional interface and a Cloud-based solution "MELCloud" enable users to control air conditioners and check operating status via devices such as laptops, tablets and smartphones.

System Control Interface (Optional)

- Remote on/off operation is possible by input to the connector.
 Depending on the interface used, connecting a wired remote
- control such as the PAR-41MAA is possible.
- Centralised control is possible when connected to M-NET.







| MSZ-DW series | Inverter File | CC Fair Moor |
|--|---|--|
| Indoor Unit R32 | Outdoor Unit | Remote Controller |
| | | |
| MSZ-DW25/35/50VF | MUZ-DW25VF MUZ- | DW35VF |
| | MUZ-DW50VF | |
| Econo Cool Natural AUTO V Blocking Hiter White VANE Coros | Auto Restart Low Temp Cooling Cooling Optional Control Cooling Optional Control Cooling Optional Control Contr | Group Control Optional Optional Optional Optional |
| Flare Connection | | |

| Туре | уре | | | | Inverter Heat Pump | | |
|--------------|----------------------------------|---------------------------------|--------|------------------------|------------------------|------------------------|--|
| Indoor Ur | nit | | | MSZ-DW25VF | MSZ-DW35VF | MSZ-DW50VF | |
| Outdoor I | Unit | | | MUZ-DW25VF | MUZ-DW35VF | MUZ-DW50VF | |
| Refrigera | nt | | | R32 ^(*1) | | | |
| Power | Source | | | | Outdoor Power supply | | |
| Supply | | | | | 230V/Single/50Hz | | |
| | Design load | | kW | 2.5 | 3.4 | 5.0 | |
| | Annual electricity | consumption ("2) | kWh/a | 135 | 184 | 261 | |
| | SEER (14) | | | 6.2 | 6.2 | 6.5 | |
| ooling | | Energy efficiency class | s | A++ | A++ | A++ | |
| | Capacity | Rated | kW | 2.5 | 3.4 | 5.0 | |
| | Capacity | Min-Max | kW | 0.5-2.9 | 0.9-3.4 | 1.3-5.0 | |
| | Total Input | Rated | kW | 0.800 | 1.210 | 2.050 | |
| | Design load | | kW | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | |
| | | at reference design temperature | e kW | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | |
| | Declared Capacity | at bivalent temperature | kW | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | |
| | Capacity | at operation limit temperature | kW | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | |
| eating | Back up heating | | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | |
| verage | Annual electricity | consumption (*2) | kWh/a | 618 | 781 | 1174 | |
| ason)(*5) | SCOP (*4) | | | 4.3 | 4.3 | 4.3 | |
| | | Energy efficiency class | | A+ | A+ | A+ | |
| | | Rated | kW | 3.15 | 3.6 | 5.4 | |
| | | Min-Max | kW | 0.7-3.5 | 0.9-3.7 | 1.4-6.5 | |
| | Total Input | Rated | kW | 0.850 | 0.975 | 1.550 | |
| peratin | g Current (Max) | | A | 5.0 | 6.7 | 10.0 | |
| | Input | Rated | kW | 0.023 | 0.028 | 0.029 | |
| | Operating Current(Max) | | A | 0.24 | 0.28 | 0.29 | |
| | Dimensions | H*W*D | mm | 290-799-232 | 290-799-232 | 290-799-232 | |
| | Weight | Weight | | 9 | 9 | 10 | |
| door 1it | Air Volume | Cooling | m³/min | 3.6 - 5.6 - 7.5 - 9.9 | 3.6 - 5.8 - 8.1 - 11.3 | 5.9 - 7.7 - 9.7 - 12.3 | |
| | (Lo-Mid-Hi-SHi ^(*3)) | Heating | m³/min | 3.4 - 5.6 - 7.7 - 10.3 | 3.4 - 5.6 - 7.7 - 10.7 | 6.0 - 7.7 - 9.7 - 12.6 | |
| | Sound Level (SPL) | Cooling | dB(A) | 21 - 30 - 37 - 43 | 22 - 31 - 38 - 46 | 28 - 36 - 40 - 45 | |
| | (Lo-Mid-Hi-SHi ^(*3)) | Heating | dB(A) | 21 - 30 - 37 - 43 | 21 - 30 - 37 - 44 | 27 - 34 - 41 - 47 | |
| | Sound Level (PWL) | Cooling | dB(A) | 57 | 60 | 60 | |
| | Dimensions | H*W*D | mm | 538-699-249 | 538-699-249 | 550-800-285 | |
| | Weight | | kg | 23 | 24 | 35 | |
| | Air Volume | Cooling | m³/min | 30.3 | 32.2 | 33.5 | |
| utdoor | All Volume | Heating | m³/min | 30.3 | 32.2 | 32.7 | |
| nit | Sound Level (SPL) | Cooling | dB(A) | 50 | 51 | 50 | |
| | . , | Heating | dB(A) | 50 | 51 | 51 | |
| | Sound Level (PWL) | Cooling | dB(A) | 63 | 64 | 64 | |
| | | | A | 5.3 | 7.0 | 9.2 | |
| | Breaker Size | | A | 10 | 10 | 12 | |
| ct. | Diameter | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 9.52 | |
| xt. iping | Max.Length | Out-In | m | 20 | 20 | 20 | |
| | Max.Height | Out-In | m | 12 | 12 | 12 | |
| | ed Operating | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | |
| Range (C | utdoor) | Heating | °C | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | |

(*) Refrigerant leakage contributes to climate change. Refrigerant with lower global warning potential (GWP) would contribute less to global warning than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid with the atmosphere, the impact on global warning would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R28 is 676 in the IPCC 4th Assessment Report.
(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) SHi: Super High
(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".
(*5) Please see page 53-54 for heating (warmer season') specifications.

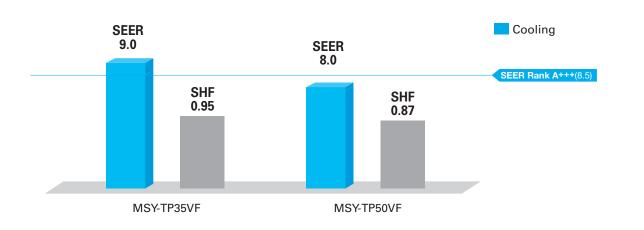


MSY-TP35/50VF

R32

Cooling only model with high-perfomance provides high SHF in various environments thanks to wide operation range.

High Energy-Saving Performance with High SHF



Wide Cooling Operating Range

As a result of an extended operating range in cooling, these models accommodate a wide range of usage environments and applications.

| • Operating Range (Cooling) | |
|-----------------------------|-------|
| MUY-TP -25°C | +46°C |

| MSY-TP series | Inverter Contained Do Fan Mater PAM | | | |
|---|-------------------------------------|--|--|--|
| Indoor Unit R32 | Outdoor Unit R32 | Remote Controller | | |
| And | MUY-TP35/TP50VF | • Wired remote controller can be connected to indoor unit. MAC-334IFE MAC-497IFE Indoor unit PAR-41MAA PAC-YT52CRA | | |
| Pure Nite Silver-ion SWING SAUTO | Fire Set Failure Recall | | | |

| Туре | • | • | | Inverter H | leat Pump | | | |
|-------------|----------------------------------|---------------------------------|---------------------|---------------------------|---------------------------|--|--|--|
| Indoor Ur | nit | | | MSY-TP35VF | MSY-TP50VF | | | |
| Outdoor I | Jnit | | | MUY-TP35VF | MUY-TP50VF | | | |
| Refrigerar | nt | | | R32 ⁽¹⁾ | | | | |
| Power | Source | | | Indoor Pov | wer supply | | | |
| Supply | Outdoor (V / Ph | ase / Hz) | | 230V / Sin | | | | |
| | Design load | | kW | 3.5 | 5.0 | | | |
| | Annual electricity | consumption (*2) | kWh/a | 136 | 218 | | | |
| | SEER (14) | • | | 9.0 | 8.0 | | | |
| Cooling | | Energy efficiency class | | A+++ | A++ | | | |
| | | Rated | kW | 3.5 | 5.0 | | | |
| | Capacity | Min-Max | kW | 1.5 - 4.0 | 1.5 - 5.7 | | | |
| | Total Input | Rated | kW | 0.760 | 1.450 | | | |
| | Design load | 1 | kW | - | - | | | |
| | | at reference design temperature | kW | - | - | | | |
| | Declared Capacity | at bivalent temperature | kW | - | - | | | |
| | Capacity | at operation limit temperature | kW | - | - | | | |
| Heating | Back up heating | | kW | - | - | | | |
| (Average | Annual electricity | consumption (*2) | kWh/a | - | - | | | |
| Season)(*5) | SCOP (*4) | | | - | - | | | |
| | | Energy efficiency class | | - | - | | | |
| | O itu | Rated | kW | - | - | | | |
| | Capacity | Min-Max | kW | - | - | | | |
| | Total Input Rated | | kW | - | - | | | |
| Operating | g Current (Max) | · | A | 9.6 | 9.6 | | | |
| | Input | Rated | kW | 0.033 | 0.034 | | | |
| | Operating Current (Max) | | A | 0.4 | 0.4 | | | |
| | Dimensions | H*W*D | mm | 305-923-250 | 305-923-250 | | | |
| | Weight | | kg | 12.5 | 12.5 | | | |
| Indoor | Air Volume | Cooling | m³/min | 10.1 - 11.6 - 13.7 - 16.4 | 10.1 - 11.6 - 13.7 - 16.4 | | | |
| Unit | (Lo-Mid-Hi-SHi ^(*3)) | Heating | m³/min | - | - | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 31 - 36 - 40 - 45 | 31 - 36 - 40 - 45 | | | |
| | (Lo-Mid-Hi-SHi ^(*3)) | Heating | dB(A) | | - | | | |
| | Sound Level (PWL) | Cooling | dB(A) | 60 | 60 | | | |
| | Breaker Size | | A | 10 | 10 | | | |
| | Dimensions | H*W*D | mm | 550-800-285 | 550-800-285 | | | |
| | Weight | | kg | 34 | 34 | | | |
| | Air Volume | Cooling | m ³ /min | 29.3 | 29.3 | | | |
| Outdoor | All Volume | Heating | m³/min | - | - | | | |
| Unit | Sound Level (SPL) | Cooling | dB(A) | 45 | 47 | | | |
| | . , | Heating | dB(A) | - | - | | | |
| | | | dB(A) | 58 | 61 | | | |
| | Operating Curre | | A | 9.2 | 9.2 | | | |
| Ext. | Diameter | Liquid/Gas | mm | 6.35/9.52 | 6.35/9.52 | | | |
| Piping | Max.Length | Out-In | m | 20 | 20 | | | |
| | Max.Height | Out-In | m | 12 | 12 | | | |
| | ed Operating | Cooling | °C | -25 ~ +46 | -25 ~ +46 | | | |
| Range (O | outdoor) | Heating | °C | - | - | | | |

(11) Retrigerant leakage contributes to climate change. Retrigerant with lower global warming potential (GWP) would contribute less to global warming than a retrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a retrigerant fluid with a GWP equal to 550. This means that if 1 kg of this retrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
 The GWP of R32 is 675 in the IPCO 4th Assessment Report.
 (2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
 (3) SH: Super High
 (4) SEER and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011.

MFZ SERIES

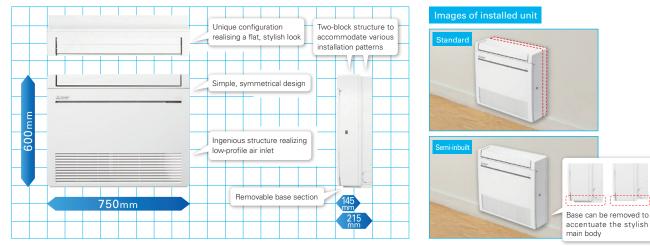
High Capacity, Energy Savings and a Design in Harmony with Living Spaces Raise the Value of Your Room to the Next Level.

Simple, Flat Design

Uneven surfaces have been smoothed to provide a simple design with linear beauty, harmonised with all types of interiors.

MFZ-KT25/35/50/60VG

R32



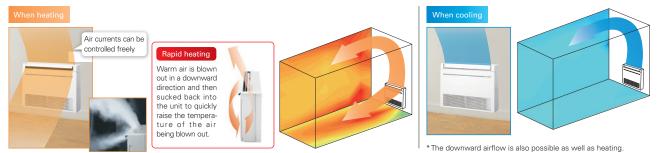
New Line-up

New models have been introduced to expand the line-up. The diverse selection enables the best solution for both customers and locations.

| Capacity | 2.5kW | 3.5kW | 5.0kW | 6.0kW | | | | | |
|----------|--------------|--------------|--------------|--------------|--|--|--|--|--|
| MFZ-KJ | \checkmark | \checkmark | \checkmark | | | | | | |
| + | | | | | | | | | |
| MFZ-KT | \checkmark | \checkmark | \checkmark | \checkmark | | | | | |

Multi-flow Vane

Three uniquely shaped vanes control the airflow and allow the freedom to customize comfort according to preferences.



WeeklyTimer (Introduced in response to market demand)

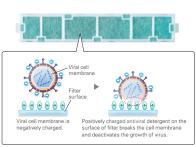
Temperature settings and On/Off control can be managed over a period of one week using the Weekly Timer. Up to eight setting patterns per calendar day are possible.

V Blocking Filter

V Blocking Filter

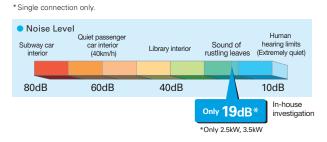
V Blocking Filter with antiviral effect inhibits 99% of adhered

virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.



Quiet Operation

The indoor unit noise level is as low as 19dB for MFZ Series, offering a peaceful inside environment.



| MFZ-KT series | Invert | |
|---|-------------------------|----------------------------------|
| Indoor Unit R32 | Outdoor Unit R32 | Remote Controller |
| | SUZ-M25/35VA SUZ-M50VA | Enclosed in *optional |
| MFZ-KT25/35/50/60VG | SUZ-M60VA | *optional |
| Image: Strategy of the strategy | | Cooling Control Cooling Corow |

| Туре | | | | | Inverter H | leat Pump | | | | | |
|------------------------------------|--------------------------------------|---------------------------------|--------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|--|--|--|--|
| Indoor Un | it | | | MFZ-KT25VG | MFZ-KT35VG | MFZ-KT50VG | MFZ-KT60VG | | | | |
| Outdoor L | Jnit | | | SUZ-M25VA | SUZ-M35VA | SUZ-M50VA | SUZ-M60VA | | | | |
| Refrigerar | nt | | | B32 ^(*1) | B32(*1) | B32 ^(*1) | B32(*1) | | | | |
| Power | Source | | | | Outdoor po | wer supply | | | | | |
| Supply | Outdoor(V/Phase/Hz) | | | 230 / Single / 50 | | | | | | | |
| | Design load | | kW | 2.5 | 3.5 | 5.0 | 6.1 | | | | |
| | Annual electricity consum | ption (*2) | kWh/a | 134 | 185 | 257 | 343 | | | | |
| | SEER (*4), (*5) | | | 6.5 | 6.6 | 6.8 | 6.2 | | | | |
| Cooling | | Energy efficiency class | | A++ | A++ | A++ | A++ | | | | |
| | Capacity | Rated | kW | 2.5 | 3.5 | 5.0 | 6.1 | | | | |
| | | Min-Max | kW | 1.6 - 3.2 | 0.9 - 3.9 | 1.2 - 5.6 | 1.7 - 6.3 | | | | |
| | Total Input | Rated | kW | 0.62 | 1.06 | 1.55 | 1.84 | | | | |
| | Design load | • | kW | 2.2 | 2.6 | 4.3 | 4.6 | | | | |
| | Declared Capacity | at reference design temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.5 (-10°C) | 4.1 (-10°C) | | | | |
| | | at bivalent temperature | kW | 2.0 (-7°C) | 2.3 (-7°C) | 3.9 (-7°C) | 4.1 (-7°C) | | | | |
| | | at operation limit temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.5 (-10°C) | 4.1 (-10°C) | | | | |
| leating | Back up heating capacity | | kW | 0.2 | 0.3 | 0.8 1423 | 0.5 | | | | |
| Average | Annual electricity consum | ption ^(*2) | kWh/a | 732 | 825 | | 1568 | | | | |
| Season) | SCOP (*4), (*5) | | | 4.2 | 4.4 | 4.2 | 4.1 | | | | |
| | | Energy efficiency class | | A+ | A+ | A+ | A ⁺ | | | | |
| | Capacity | Rated | kW | 3.4 | 4.3 | 6.0 | 7.0 | | | | |
| | | Min-Max | kW | 1.3 - 4.2 | 1.1 - 5.0 | 1.5 - 7.2 | 1.6 - 8.0 | | | | |
| | Total Input Rated | | kW | 0.91 | 1.26 | 1.86 | 2.18 | | | | |
| perating | g Current (Max) | | A | 7.0 | 8.7 | 14.0 | 15.4 | | | | |
| | Input | nput Rated | | 0.020 / 0.024 | 0.020 / 0.024 | 0.037 / 0.052 | 0.063 / 0.059 | | | | |
| | Operating Current(Max) | Dperating Current(Max) | | 0.20 | 0.20 0.45 | | 0.55 | | | | |
| | Dimensions | H*W*D | mm | 600-750-215 | 600-750-215 | 600-750-215 | 600-750-215 | | | | |
| ndoor | Weight | | kg | 14.5 | 14.5 | 14.5 | 15.0 | | | | |
| naoor Jnit | Air Volume | Cooling | m³/min | 3.9 - 4.8 - 6.5 - 7.8 - 8.9 | 3.9 - 4.8 - 6.5 - 7.8 - 8.9 | 5.6 - 6.7 - 8.6 - 10.4 - 12.3 | 5.6 - 8.0 - 9.6 - 12.3 - 15.0 | | | | |
| | (SLo-Lo-Mid-Hi-SHi ^(*3)) | Heating | m³/min | 3.5 - 4.0 - 5.6 - 7.3 - 9.7 | 3.5 - 4.0 - 5.6 - 7.3 - 9.7 | 6.0 - 7.7 - 9.4 - 11.6 - 14.0 | 6.0 - 7.7 - 9.7 - 12.5 - 14.6 | | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 19 - 24 - 31 - 37 - 41 | 19 - 24 - 31 - 37 - 41 | 28 - 32 - 37 - 42 - 48 | 28 - 36 - 40 - 46 - 53 | | | | |
| | (SLo-Lo-Mid-Hi-SHi ^('3)) | Heating | dB(A) | 19 - 23 - 30 - 37 - 44 | 19 - 23 - 30 - 37 - 44 | 29 - 35 - 40 - 44 - 49 | 29 - 35 - 41 - 47 - 51 | | | | |
| | Sound Level (PWL) | Cooling | dB(A) | 54 | 54 | 60 | 65 | | | | |
| | Dimensions | H*W*D | mm | 550-800-285 | 550-800-285 | 714-800-285 | 880-840-300 | | | | |
| | Weight | | kg | 30 | 35 | 41 | 54 | | | | |
| | Air Volume | Cooling | m³/min | 36.3 | 34.3 | 45.8 | 50.1 | | | | |
| Outdoor | | Heating | m³/min | 34.6 | 32.7 | 43.7 | 50.1 | | | | |
| Init | Sound Level (SPL) | Cooling | dB(A) | 45 | 48 | 48 | 49 | | | | |
| | | Heating | dB(A) | 46 | 48 | 49 | 51 | | | | |
| | Sound Level (PWL) | Cooling | dB(A) | 59 | 59 | 64 | 65 | | | | |
| | Operating Current(Max) | | A | 7 | 9 | 14 | 15 | | | | |
| | Breaker Size | | | 10 | 10 | 16 | 16 | | | | |
| xt. | Diameter | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | 6.35 / 15.88 | | | | |
| Piping | Max.Length | Out-In | m | 20 | 20 | 30 | 30 | | | | |
| ihiiið | Max.Height | Out-In | m | 12 | 12 | 30 | 30 | | | | |
| Guaranteed Operating Range Cooling | | | °C | -10 ~ +46 | -10 ~ +46 | -15 ~ +46 | -15 ~ +46 | | | | |
| [Outdoor] | | Heating | °C | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | | | | |

In Control of 10 are 124
In the integrant taskage contributes to climate transp. Refrigerant with lower global warning potential (GWP) would control task to global warning potential (GWP) would control tasks to global warning tasks to the atmosphere. This appliance contrains a refrigerant task owner the impact on global warning would be 1975 times higher than 1 kg of this refrigerant task owner by to interfere with the refrigerant circuit yourself or product yourself or and aways ask a professional.
The GWP of P410A is 2088 in the IPCC 4th Assessment Report.
('3) EFH: Scoper High
('3) EFH: Scoper High
('3) EFH: Scoper High
('4) SEEH, ScoP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011.
The temperature conditions for calculating SCOP are based on "Average Season".
('5) SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No.026/2012.

| MFZ-KW series | | Inverter DC Fan Moor |
|---|--|--|
| Indoor Unit | Outdoor Unit | Remote Controller |
| Single | BOOD DESIGN WARD 2014 MUFZ-KW25/35VC MUFZ-KW50/60VC | |
| Econo Cool White Vane Silver-ion V Block Fite | ing Air Purifying SMNG SAUTO Weekly | Isave Image: Second |
| MINET connection Optional Connection Connection Connection Connection Connection | ion Failure Recall | upun un Ciptona |

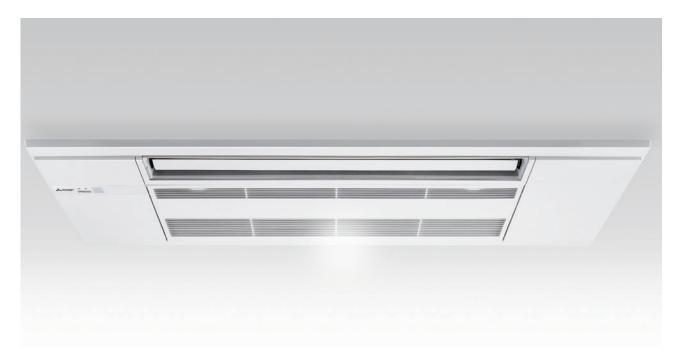
| Туре | | _ | | | | Inverter I | leat Pump | | | | |
|------------|-----------------------------------|---------------------|-------------------------|---------------------|---|-----------------------------|-------------------------------|-------------------------------|--|--|--|
| Indoor Un | iit | | | | MFZ-KW25VG | MFZ-KW35VG | MFZ-KW50VG | MFZ-KW60VG | | | |
| Outdoor l | Jnit | | | | MUFZ-KW25VGHZ | MUFZ-KW35VGHZ | MUFZ-KW50VGHZ | MUFZ-KW60VGHZ | | | |
| Refrigerar | nt | | | | | R3 | 2 (*1) | | | | |
| Power | Source | | | | | Outdoor p | ower supply | | | | |
| Supply | Outdoor (V/Phase/H | lz) | | | 230 / Single / 50 | | | | | | |
| Cooling | Design Load | | | kW | 2.5 | 3.5 | 5.0 | 6.1 | | | |
| | Annual Electricity Co | onsumpti | on (*2) | kWh/a | 103 | 151 | 255 | 316 | | | |
| | SEER (*4) | | | | 8.5 | 8.1 | 6.8 | 6.7 | | | |
| | | Energy | Efficiency Class | | A+++ | A++ | A++ | A++ | | | |
| | Capacity | Rated | | kW | 2.5 | 3.5 | 5.0 | 6.1 | | | |
| | | Min - M | ax | kW | 0.7 - 3.6 | 0.7 - 4.3 | 1.0 - 5.8 | 1.0 - 6.5 | | | |
| | Total Input | Total Input Rated | | | 0.57 | 0.90 | 1.36 | 1.73 | | | |
| leating | Design Load | | | kW | 3.5 | 3.6 | 4.5 | 4.8 | | | |
| Average | Declared Capacity | at refere | ence design temperature | kW | 3.5 (-10°C) | 3.6 (-10°C) | 4.5 (-10°C) | 4.8 (-10°C) | | | |
| Season) | | at bivale | ent temperature | kW | 3.5 (-10°C) | 3.6 (-10°C) | 4.5 (-10°C) | 4.8 (-10°C) | | | |
| | | at opera | ation limit temperature | kW | 2.6 (-25°C) | 2.6 (-25°C) | 4.0 (-25°C) | 4.0 (-25°C) | | | |
| | Back Up Heating Ca | pacity | | kW | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | 0.0 (-10°C) | | | |
| | Annual Electricity Co | onsumpti | on (*2) | kWh/a | 1188 | 1211 | 1500 | 1624 | | | |
| | SCOP (* 4) | | | | 4.1 | 4.1 | 4.2 | 4.1 | | | |
| | | Energy | Efficiency Class | | A+ | A+ | A+ | A+ | | | |
| | Capacity | Rated | | kW | 3.4 | 4.3 | 6.0 | 6.5 | | | |
| | | Min - M | ax | kW | 0.2 - 5.1 | 0.2 - 6.0 | 1.2 - 8.4 | 1.2 - 9.0 | | | |
| | Total Input | Rated | | kW | 0.83 | 1.21 | 1.60 | 1.88 | | | |
| Operating | g Current (max) | | | А | 9.9 | 10.3 | 15.3 | 15.4 | | | |
| ndoor | Input (Cooling/Heati | ing) | Rated | kW | 0.019/0.025 | 0.019/0.025 | 0.026/0.052 | 0.063/0.059 | | | |
| Jnit | Operating Current (n | nax) | | A | 0.22 | 0.22 | 0.47 | 0.55 | | | |
| | Dimensions | | $H \times W \times D$ | mm | 600 - 750 - 215 | | | | | | |
| | Weight | | | kg | 15 | 15 | 15 | 15 | | | |
| | Air Volume | | Cooling | m ³ /min | 3.9 - 4.9 - 5.9 - 7.1 - 8.2 | 3.9 - 4.9 - 5.9 - 7.1 - 8.2 | 5.6 - 6.7 - 8.0 - 9.3 - 10.6 | 5.6 - 8.0 - 9.6 - 12.3 - 15.0 | | | |
| | (SLo-Lo-Mid-Hi-SHi ^(*) | 3) | Heating | m³/min | 3.5 - 5.1 - 6.2 - 7.7 - 9.7 | 3.5 - 5.1 - 6.2 - 7.7 - 9.7 | 6.0 - 7.4 - 9.4 - 11.6 - 14.0 | 6.0 - 7.7 - 9.7 - 12.5 - 14.6 | | | |
| | Sound Level (SPL) | | Cooling | dB(A) | 20 - 25 - 30 - 35 - 39 | 20 - 25 - 30 - 35 - 39 | 27 - 31 - 35 - 39 - 44 | 27 - 35 - 39 - 46 - 53 | | | |
| | (SLo-Lo-Mid-Hi-SHi (*: | 3) | Heating | dB(A) | 18 - 25 - 30 - 35 - 41 18 - 25 - 30 - 35 - 41 | | 29 - 35 - 40 - 45 - 50 | 29 - 35 - 41 - 47 - 51 | | | |
| | Sound Level (PWL) | | | dB(A) | 49 | 50 | 56 | 65 | | | |
| | Dimensions | | $H \times W \times D$ | mm | 550 - 8 | 00 - 285 | 880 - 8 | 40 - 330 | | | |
| Jnit | Weight | | | kg | 35 | 35 | 54 | 54 | | | |
| | Air Volume | | Cooling | m³/min | 32.7 | 32.7 | 43.8 | 48.8 | | | |
| | | | Heating | m ³ /min | 27.3 | 27.3 | 46.3 | 51.3 | | | |
| | Sound Level (SPL) | | Cooling | dB(A) | 47 | 47 | 50 | 52 | | | |
| | | | Heating | dB(A) | 46 | 47 | 54 | 56 | | | |
| | Sound Level (PWL) | Level (PWL) Cooling | | dB(A) | 61 | 61 | 65 | 66 | | | |
| | Operating Current (n | nax) | | А | 9.6 | 10.0 | 14.8 | 14.8 | | | |
| | Breaker Size | | | А | 10 | 12 | 16 | 16 | | | |
| xt. | Diameter | | Liquid / Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | 6.35 / 12.7 | | | |
| Piping | Max. Length | | Out-In | m | 20 | 20 | 30 | 30 | | | |
| | Max. Height | | Out-In | m | 12 | 12 | 15 | 15 | | | |
| | ed Operating Range | | Cooling | °C | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | -10 ~ +46 | | | |
| [Outdoor] | | | Heating | °C | -25 ~ +24 | -25 ~ +24 | -25 ~ +24 | -25 ~ +24 | | | |

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere.
This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975. This means that if 1kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher
than 1kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
The GWP of R410A is 2088 in the IPCC 4th Assessment Report.
(*2) Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) SHi: Super High
(*4) SEER, SCOP and other related description are based on COMMISSION DELEGATED REGULATION (EU) No.626/2011. The temperature conditions for calculating SCOP are based on "Average Season".



Slim Design 🛛 🖤

Industry leading slim body realized a simple design with linear beauty.



Ceiling Mounted KY KP

Installing the ceiling-mounted MLZ Series unit in a room creates a more spacious feel that enhances room comfort. This overhead format is also an excellent solution when lighting equipment is installed at the centre of the room and fixtures such as book shelves are mounted on wall surfaces.



V Blocking Filter

V Blocking Filter with antiviral effect inhibits 99% of adhered virus and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.

| Viral cell membrane Filter surface | ► | | | | | |
|---|---|--|--|--|--|--|
| Viral cell membrane is negatively charged. | Positively charged antiviral detergent on the surface of filter breaks the cell membrane and deactivates the growth of virus. | | | | | |

Set Airflow According to Ceiling Height **KV KP**

Dual-level airflow selection is engineered to accommodate specific ceiling heights. This is a key feature for adjusting airflow effectively when it is either too strong or too weak due to being mismatched with the height of the ceiling.

| | 20 | 25 | 35 | 50 |
|--------------|------|------|------|------|
| Standard | 2.4m | 2.4m | 2.4m | 2.4m |
| High ceiling | 2.7m | 2.7m | 2.7m | 2.7m |

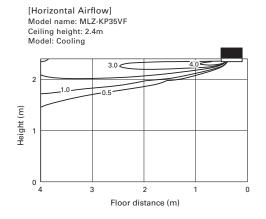
Auto Vane Control **KY KP**

Outlet vanes can be moved left and right, and up and down using the remote controller. This improved airflow control feature solves the problem of drafts.



Horizontal Airflow **KY KP**

The new airflow control completely eliminates that uncomfortable drafty-feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.



Built-in Weekly Timer Function 🛛 🛯 🖤 🖤

Easily set desired temperatures and operation ON/OFF times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

Example Operation Pattern (Winter/Heating mode)

| | M | on. | Tues. | Wed. | Thurs. | Fri. | Sat. | Sun. | | |
|-------------------------|----|------|--------------------|--------------------------|-------------------------|-------------------------|--|---|--|--|
| 6:00 | ON | 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | | |
| | | | | Automatically change | s to high-power opera | tion at wake-up time | | | | |
| 8:00 | | | | | | | | | | |
| 10:00 | | | | | | | | | | |
| 12:00 | C |)FF | OFF | OFF | OFF | OFF | ON 18°C | ON 18°C | | |
| | | | Automatic | ally turned off during w | ork hours | | Midday is warmer, so the temperature is set lower | | | |
| 14:00 | L | | | | | | | | | |
| 16:00 | | | | | | | | | | |
| 18:00 | ON | 22°C | ON 22°C | ON 22°C | ON 22°C | ON 22°C | ON 22°C | ON 22°C | | |
| 20:00 | | | Automatically turn | ns on, synchronized wit | h arrival at home | | Automatically raises ten match time when outsic | nperature setting to le-air temperature is low | | |
| 00:55 | | L | | | | | L | | | |
| (during sleeping hours) | ON | 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 10°C | ON 10°C | | |
| | [| | Automa | tically lowers tempera | ture at bedtime for ene | ergy-saving operation a | t night | | | |
| | | | | | | | | | | |

Settings Pattern Settings: Input up to four settings for each day

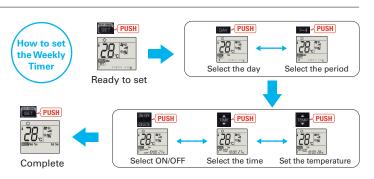
Settings: •Start/Stop operation •Temperature setting *The operation mode cannot be set.

Easy set-up using dedicated buttons -



The remote controller is equipped with buttons that are used exclusively for setting the Weekly Timer. Setting operation patterns is easy and quick.





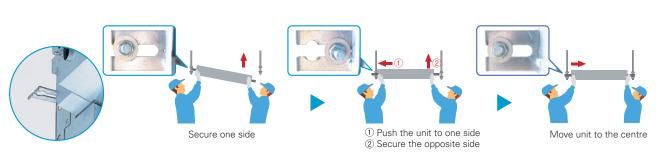
 Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL" button will end the set-up process without sending the operation patterns to the indoor unit).
 It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit. Please continue to point the remote controller at the indoor unit until all data has been sent.

50

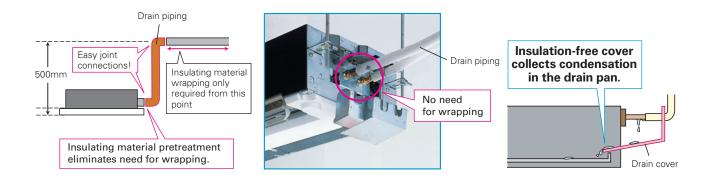
Easy Installation

Temporary hanging hook **KY KP**

Work efficiency has improved during installation.



Refrigerant Piping Supporters + Drain Cover **KY KP**

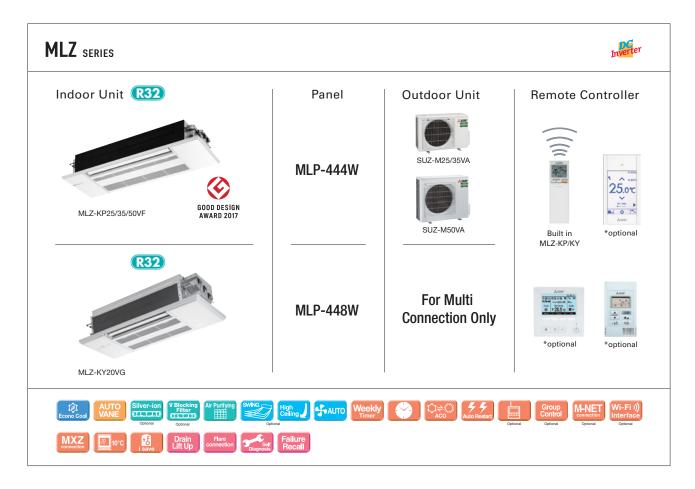


High Serviceability **KY KP**

No need to put off the panel even when the unit has some troubles to be checked inside. Simply open the panel to see the inside of the unit.



* This image is for MLZ-KY



| Туре | | | | | Inverte | er Heat Pump | |
|------------|-------------------------------------|---------------------------------|--------|---|-----------------|---------------------|-------------------|
| Indoor Un | it | | | MLZ-KY20VG | MLZ-KP25VF | MLZ-KP35VF | MLZ-KP50VF |
| Outdoor L | Jnit | | | For Multi connection only | SUZ-M25VA | SUZ-M35VA | SUZ-M50VA |
| Refrigerar | it | | | , | | R32 ^(*1) | |
| Power | Source | | | | Outdoor | r Power supply | |
| Supply | Outdoor (V / Ph | ase / Hz) | | | 230 / | / Single / 50 | |
| | Design load | | kW | - | 2.5 | 3.5 | 5.0 |
| | Annual electricity | consumption (*2) | kWh/a | - | 141 | 175 | 260 |
| | SEER (*4), (*5) | | | - | 6.2 | 7.0 | 6.7 |
| Cooling | | Energy efficiency class | | - | A++ | A++ | A++ |
| | Capacity | Rated | kW | - | 2.5 | 3.5 | 5.0 |
| | Capacity | Min-Max | kW | - | 1.4 - 3.2 | 0.8 - 3.9 | 1.7 - 5.6 |
| | Total Input | Rated | kW | - | 0.59 | 0.94 | 1.38 |
| | Design load | | kW | - | 2.2 | 2.6 | 4.3 |
| | Declared | at reference design temperature | | - | 2.0 (-10°C) | 2.3 (-10°C) | 3.8 (-10°C) |
| | Capacity | at bivalent temperature | kW | - | 2.0 (-7°C) | 2.3 (-7°C) | 3.8 (-7°C) |
| | | at operation limit temperature | kW | - | 2.0 (-10°C) | 2.3 (-10°C) | 3.8 (-10°C) |
| Heating | Back up heating | | kW | - | 0.2 | 0.3 | 0.5 |
| (Average | Annual electricity consumption (*2) | | | - | 697 | 791 | 1397 |
| Season) | SCOP (*4), (*5) | | | - | 4.4 | 4.6 | 4.3 |
| | | Energy efficiency class | | - | A+ | A++ | A+ |
| | Capacity | Rated | kW | - | 3.2 | 4.1 | 6.0 |
| | Capacity | Min-Max | kW | - | 1.4 - 4.2 | 1.1 - 4.9 | 1.7 - 7.2 |
| | Total Input | Rated | kW | - | 0.80 | 1.10 | 1.86 |
| Operating | g Current (Max) | | A | - | 7.2 | 8.9 | 13.9 |
| | Input | Rated | kW | 0.012 | 0.04 | 0.04 | 0.04 |
| | Operating Curre | nt(Max) | A | 0.12 | 0.40 | 0.40 | 0.40 |
| | Dimensions | ons H*W*D | | 194-842-301 | 185-1102-360 | 185-1102-360 | 185-1102-360 |
| Indoor | Weight | eight | | 14 | 15.5 | 15.5 | 15.5 |
| Unit | Air Volume | | | 4.3-4.7-5.2-5.6 | 6.0-7.2-8.0-8.8 | 6.0-7.3-8.4-9.4 | 6.0-8.3-9.8-11.4 |
| | (SLo-Lo-Mid-Hi ^(*3)) | Heating | m³/min | 4.3-4.9-5.5-6.0 | 6.0-7.0-8.2-9.2 | 6.0-7.7-8.8-9.9 | 6.0-8.8-10.3-11.8 |
| | Sound Level (SPL) | Cooling | dB(A) | 30-32-34-37 | 27-31-34-38 | 27-32-36-40 | 29-36-41-47 |
| | (SLo-Lo-Mid-Hi ^(*3)) | Heating | dB(A) | 29-32-35-58 | 29-27-34-37 | 26-32-36-40 | 26-37-42-48 |
| | Sound Level (PWL) | Cooling | dB(A) | 40-42-44-50 | 52 | 53 | 59 |
| Panel | Dimensions | H*W*D | mm | 34-915-370 | 24-1200-424 | 24-1200-424 | 24-1200-424 |
| - 41101 | Weight | | kg | 3.8 | 3.5 | 3.5 | 3.5 |
| | Dimensions | H*W*D | mm | - | 550-800-285 | 550-800-285 | 714-800-285 |
| | Weight | 1 | kg | - | 30 | 35 | 41 |
| | Air Volume | Cooling | m³/min | - | 36.3 | 34.3 | 45.8 |
| Outdoor | | Heating | m³/min | - | 34.6 | 32.7 | 43.7 |
| Unit | Sound Level (SPL) | Cooling | dB(A) | - | 45 | 48 | 48 |
| | . , | Heating | dB(A) | - | 46 | 48 | 49 |
| | Sound Level (PWL) | | dB(A) | - | 59 | 59 | 64 |
| | Operating Curre | ent (Max) | A | - | 6.8 | 8.5 | 13.5 |
| | Breaker Size | | A | - | 10 | 10 | 20 |
| Ext. | Diameter | Liquid/Gas | mm | 6.35/9.52 | 6.35/9.52 | 6.35/9.52 | 6.35/12.7 |
| Piping | Max.Length | Out-In | m | - | 20 | 20 | 30 |
| | Max.Height | Out-In | m | - | 12 | 12 | 30 |
| | ed Operating | Cooling | °C | - | -10~+46 | -10~+46 | -15~+46 |
| Range (O | utdoor) | Heating | °C | - | -10~+24 | -10~+24 | -10~+24 |

Specification on Warmer/Colder Condition

| Туре | | | | Inverter Heat Pump | | | | | |
|--------------------|----------------------|---------------------------------|-------|--------------------|-------------------------|------------|--|--|--|
| Indoor Ur | nit | | | MSZ-RW25VG | MSZ-RW35VG | MSZ-RW50VG | | | |
| Outdoor I | Unit | | | MUZ-RW25VGHZ | VGHZ MUZ-RW35VGHZ MUZ-F | | | | |
| Refrigera | nt | | | | R32 (*3) | | | | |
| | Design load | | kW | 2.5 | 3.5 | 5.0 | | | |
| Cooling | Annual electricity | consumption (*2) | kWh/a | 78 | 130 | 230 | | | |
| | SEER | | | 11.2 | 9.4 | 7.6 | | | |
| | | Energy efficiency class | | A+++ | A+++ | A++ | | | |
| | Design load | | kW | 1.8 | 2.2 | 3.3 | | | |
| | | at reference design temperature | kW | 1.8 | 2.2 | 3.3 | | | |
| | Declared Capacity | at bivalent temperature | kW | 1.8 | 2.2 | 3.3 | | | |
| Heating (Warmer | Capacity | at operation limit temperature | kW | 2.6 | 2.6 | 4.0 | | | |
| Season) | Back up heating | | kW | 0.0 | 0.0 | 0.0 | | | |
| , | Annual electricity | consumption (*2) | kWh/a | 372 | 469 | 715 | | | |
| | SCOP | | | 6.7 | 6.5 | 6.4 | | | |
| | | Energy efficiency class | | A+++ | A+++ | A+++ | | | |
| | Design load | | kW | 4.7 | 5.9 | 8.8 | | | |
| | | at reference design temperature | kW | 3.7 | 4.0 | 5.6 | | | |
| | Declared Capacity | at bivalent temperature | kW | 3.2 | 4.0 | 6.0 | | | |
| Heating (Colder | oupdoity | at operation limit temperature | kW | 2.6 | 2.6 | 4.0 | | | |
| Season) | Back up heating | capacity | kW | 1.0 | 1.9 | 3.2 | | | |
| 2220011 | Annual electricity | consumption (*2) | kWh/a | 2407 | 3083 | 5157 | | | |
| | SCOP | | | 4.1 | 4.0 | 3.5 | | | |
| | | Energy efficiency class | | A+ | A+ | A | | | |

| Туре | | | | | | | Inverter Heat Pump | | | |
|--------------------|---|---------------------------------|-------|-------------|---------------|-------------|---------------------|-------------|--------------|-------------|
| Indoor Ur | nit | | | MSZ-LI | V25VG2 | MSZ-LI | V35VG2 | MSZ-L | N50VG2 | MSZ-LN60VG2 |
| Outdoor I | Jnit | | | MUZ-LN25VG2 | MUZ-LN25VGHZ2 | MUZ-LN35VG2 | MUZ-LN35VGHZ2 | MUZ-LN50VG2 | MUZ-LN50VGHZ | MUZ-LN60VG |
| Refrigera | nt | | | | | | R32 ^(*3) | | | |
| | Design load | | kW | 2.5 | 2.5 | 3.5 | 3.5 | 5 | 5.0 | 6.1 |
| Cooling | Annual electricity consumption (*2) kWh/a | | | 83 | 83 | 129 | 130 | 205 | 230 | 285 |
| cooming | SEER | | | 10.5 | 10.5 | 9.5 | 9.4 | 8.5 | 7.6 | 7.5 |
| | Energy efficiency class | | | A+++ | A+++ | A+++ | A+++ | A+++ | A++ | A++ |
| | Design load | | kW | 1.7 (2°C) | 1.8 (2°C) | 2.0 (2°C) | 2.2 (2°C) | 2.5 (2°C) | 3.3 (2°C) | 3.3 (2°C) |
| | Declared Capacity | at reference design temperature | kW | 1.7 (2°C) | 1.8 (2°C) | 2.0 (2°C) | 2.2 (2°C) | 2.5 (2°C) | 3.3 (2°C) | 3.3 (2°C) |
| | | at bivalent temperature | kW | 1.7 (2°C) | 1.8 (2°C) | 2.0 (2°C) | 2.2 (2°C) | 2.5 (2°C) | 3.3 (2°C) | 3.3 (2°C) |
| Heating (Warmer | | at operation limit temperature | kW | 2.5 (-15°C) | 2.3 (-25°C) | 3.2 (-15°C) | 3.1 (-25°C) | 4.2 (-15°C) | 4.7 (-25°C) | 6.0 (-15°C) |
| (warmer Season) | Back up heating capacity kW | | | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | 0.0(2°C) | 0.0 (2°C) |
| 0000011 | Annual electricity | consumption (*2) | kWh/a | 369 | 382 | 431 | 467 | 602 | 779 | 779 |
| | SCOP | | | 6.4 | 6.6 | 6.5 | 6.5 | 5.8 | 5.9 | 5.9 |
| | | Energy efficiency class | | A+++ | A+++ | A+++ | A+++ | A+++ | A+++ | A+++ |
| | Design load | | kW | - | 4.7 (-22°C) | - | 5.9 (-22°C) | - | 8.8 (-22°C) | - |
| | | at reference design temperature | kW | - | 2.6 (-22°C) | - | 3.4 (-22°C) | - | 5.1 (-22°C) | - |
| | Declared Capacity | at bivalent temperature | kW | - | 3.2 (-10°C) | - | 4.0 (-10°C) | - | 6.0 (-10°C) | - |
| Heating (Colder | oupdoity | at operation limit temperature | kW | - | 2.3 (-25°C) | - | 3.1 (-25°C) | - | 4.7 (-25°C) | - |
| (Colder Season) | Back up heating | | kW | - | 2.1 (-22°C) | - | 2.5 (-22°C) | - | 3.7 (-22°C) | - |
| 2210011) | Annual electricity | consumption (*2) | kWh/a | - | 2425 | - | 3075 | - | 5340 | - |
| | SCOP | | | - | 4.0 | - | 4.0 | - | 3.4 | - |
| | | Energy efficiency class | | - | A+ | - | A+ | - | A | - |

| Туре | | | | | Inverter Heat Pump | | | |
|--------------------|----------------------|---------------------------------|-------|--------------|---------------------------------|-------------|--|--|
| Indoor Ur | nit | | | MSZ-FT25VG | MSZ-FT35VG | MSZ-FT50VG | | |
| Outdoor I | Unit | | | MUZ-FT25VGHZ | MUZ-FT25VGHZ MUZ-FT35VGHZ MUZ-F | | | |
| Refrigera | nt | | | | R32 (*3) | | | |
| | Design load | | kW | 2.5 | 3.5 | 5.0 | | |
| Cooling | Annual electricity | consumption ("2) | kWh/a | 101 | 142 | 243 | | |
| | SEER | | | 8.6 | 8.6 | 7.2 | | |
| | | Energy efficiency class | | A+++ | A+++ | A++ | | |
| | Design load | | kW | 1.8 (2°C) | 2.2 (2°C) | 2.7 (2°C) | | |
| | | at reference design temperature | kW | 1.8 (2°C) | 2.2 (2°C) | 2.7 (2°C) | | |
| | Declared Capacity | at bivalent temperature | kW | 1.8 (2°C) | 2.2 (2°C) | 2.7 (2°C) | | |
| Heating (Warmer | Capacity | at operation limit temperature | kW | 3.0 (-25°C) | 3.4 (-25°C) | 3.6 (-25°C) | | |
| (warmer Season) | Back up heating | capacity | kW | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | | |
| 0000011 | Annual electricity | consumption (*2) | kWh/a | 432 | 527 | 684 | | |
| | SCOP | | | 5.8 | 5.8 | 5.5 | | |
| | | Energy efficiency class | | A+++ | A+++ | A+++ | | |
| | Design load | | kW | 4.7 (-22°C) | 5.9 (-22°C) | 7.4 (-22°C) | | |
| | | at reference design temperature | kW | 3.1 (-22°C) | 3.7 (-22°C) | 4.0 (-22°C) | | |
| | Declared Capacity | at bivalent temperature | kW | 3.2 (-10°C) | 4.0 (-10°C) | 5.0 (-10°C) | | |
| Heating (Colder | Capacity | at operation limit temperature | kW | 3.0 (-25°C) | 3.4 (-25°C) | 3.6 (-25°C) | | |
| (Colder Season) | Back up heating | capacity | kW | 1.6 (-22°C) | 2.2 (-22°C) | 3.4 (-22°C) | | |
| 0000011 | Annual electricity | consumption ("2) | kWh/a | 2766 | 3453 | 4707 | | |
| | SCOP | | | 3.5 | 3.5 | 3.3 | | |
| | | Energy efficiency class | | A | A | В | | |

| Туре | | | | | | | | Inverter H | eat Pump | | | | |
|--------------------|---|---------------------------------|-------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Indoor Ur | nit | | | MSZ-AY15VGK(P) | MSZ-AY20VGK(P) | MSZ-AY25VGK(P) | MSZ-AY25VGK(P) | MSZ-AY35VGK(P) | MSZ-AY35VGK(P) | MSZ-AY42VGK(P) | MSZ-AY42VGK(P) | MSZ-AY50VGK(P) | MSZ-AY50VGK(P) |
| Outdoor I | Jnit | | | MUZ-AY15VG | MUZ-AY20VG | MUZ-AY25VG | MUZ-AY25VGH | MUZ-AY35VG | MUZ-AY35VGH | MUZ-AY42VG | MUZ-AY42VGH | MUZ-AY50VG | MUZ-AY50VGH |
| Refrigera | nt | | | | | | | R3 | 2("3) | | | | |
| | Design load kW | | - | - | 2.5 | 2.5 | 3.5 | 3.5 | 4.2 | 4.2 | 5.0 | 5.0 | |
| Cooling | Annual electricity consumption (*2) kWh/a | | kWh/a | - | - | 100 | 100 | 141 | 141 | 186 | 186 | 232 | 232 |
| | SEER (*4) | | | - | - | 8.7 | 8.7 | 8.7 | 8.7 | 7.9 | 7.9 | 7.5 | 7.5 |
| | | Energy efficiency class | | - | - | A+++ | A+++ | A+++ | A+++ | A++ | A++ | A++ | A++ |
| | Design load kW | | kW | 0.9 (2°C) | 1.3 (2°C) | 1.3 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.1 (2°C) | 2.3 (2°C) | 2.3 (2°C) |
| | Declared | at reference design temperature | kW | 0.9 (2°C) | 1.3 (2°C) | 1.3 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.1 (2°C) | 2.3 (2°C) | 2.3 (2°C) |
| | Declared Capacity | at bivalent temperature | kW | 0.9 (2°C) | 1.3 (2°C) | 1.3 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.1 (2°C) | 2.3 (2°C) | 2.3 (2°C) |
| Heating (Warmer | Capacity | at operation limit temperature | kW | 1.6 (-15°C) | 1.8 (-20°C) | 1.9 (-20°C) | 1.9 (-20°C) | 2.0 (-20°C) | 2.0 (-20°C) | 2.7 (-20°C) | 2.7 (-20°C) | 3.0 (-20°C) | 3.0 (-20°C) |
| Season) | Back up heating | capacity | kW | 0.0 (2°C) |
| | Annual electricity consumption ("2) kWh/a | | kWh/a | 267 | 350 | 319 | 319 | 376 | 376 | 495 | 495 | 523 | 523 |
| | SCOP | | | 4.7 | 5.2 | 5.7 | 5.7 | 5.9 | 5.9 | 5.9 | 5.9 | 6.1 | 6.1 |
| | | Energy efficiency class | | A++ | A+++ |

| Туре | | | | Inverter H | leat Pump | |
|--------------------|----------------------|---------------------------------|--------------------|---------------|---------------|--|
| Indoor Ur | nit | | | MSZ-AP60VG(K) | MSZ-AP71VG(K) | |
| Outdoor I | Jnit | | | MUZ-AP60VG | MUZ-AP71VG | |
| Refrigera | nt | R | 32 ^(*3) | | | |
| | Design load | | kW | 6.1 | 7.1 | |
| Cooling | Annual electricity | consumption (*2) | kWh/a | 288 345 | | |
| ocomig | SEER | | | 7.4 | 7.2 | |
| | | Energy efficiency class | | A++ | A++ | |
| | Design load | | kW | 2.5 (2°C) | 3.7 (2°C) | |
| | | at reference design temperature | kW | 2.5 (2°C) | 3.7 (2°C) | |
| | Declared Capacity | at bivalent temperature | kW | 2.5 (2°C) | 3.7 (2°C) | |
| Heating (Warmer | Capacity | at operation limit temperature | kW | 3.7 (-15°C) | 5.4 (-15°C) | |
| (warmer Season) | Back up heating | capacity | kW | 0.0 (2°C) | 0.0 (2°C) | |
| 222.0011 | Annual electricity | consumption (*2) | kWh/a | 627 | 891 | |
| | SCOP | | | 5.5 | 5.8 | |
| | | Energy efficiency class | | A+++ | A+++ | |

| Туре | | | | | | Inverter H | leat Pump | | |
|--------------------|---|---------------------------------|-------|-------------|-------------|-------------|--------------------|-------------|-------------|
| Indoor Ur | nit | | | MSZ-E | F25VG | MSZ-E | F35VG | MSZ-EF42VG | MSZ-EF50VG |
| Outdoor I | Unit | | | MUZ-EF25VG | MUZ-EF25VGH | MUZ-EF35VG | MUZ-EF35VGH | MUZ-EF42VG | MUZ-EF50VG |
| Refrigera | nt | | | | | R3 | 12 ^(*3) | | |
| | Design load | | kW | 2.5 | 2.5 | 3.5 | 3.5 | 4.2 | 5.0 |
| Cooling | Annual electricity consumption (*2) kWh/a | | | 96 | 96 | 139 | 139 | 186 | 233 |
| coomig | SEER | | | 9.1 | 9.1 | 8.8 | 8.8 | 7.9 | 7.5 |
| | | Energy efficiency class | | A+++ | A+++ | A+++ | A+++ | A++ | A++ |
| | Design load | | kW | 1.3 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.3 (2°C) |
| | | at reference design temperature | kW | 1.3 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.3 (2°C) |
| | Declared Capacity | at bivalent temperature | kW | 1.3 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.3 (2°C) |
| Heating (Warmer | Capacity | at operation limit temperature | kW | 2.0 (-15°C) | 2.0 (-15°C) | 2.4 (-15°C) | 2.4 (-15°C) | 3.4 (-15°C) | 3.5 (-15°C) |
| Season) | Back up heating | g capacity | kW | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) |
| Season) | Annual electricity | consumption (*2) | kWh/a | 311 | 311 | 398 | 398 | 489 | 595 |
| | SCOP | | | 5.9 | 5.9 | 5.6 | 5.6 | 6.0 | 5.4 |
| | | Energy efficiency class | | A+++ | A+++ | A+++ | A+++ | A+++ | A+++ |

| Туре | | | | | Inverter H | eat Pump | |
|--------------------|----------------------|---------------------------------|-------|-------------|-------------|-------------|-------------|
| Indoor Ur | nit | | | MSZ-BT20VG | MSZ-BT25VG | MSZ-BT35VG | MSZ-BT50VG |
| Outdoor I | Unit | | | MUZ-BT20VG | MUZ-BT25VG | MUZ-BT35VG | MUZ-BT50VG |
| Refrigera | nt | | | | R3 | 2 (*3) | |
| | Design load | | kW | 2.0 | 2.5 | 3.5 | 5.0 |
| Cooling | Annual electricity | consumption (*2) | kWh/a | 86 | 108 | 180 | 265 |
| ocomig | SEER | | | 8.1 | 8.1 | 6.8 | 6.6 |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ |
| | Design load | | kW | 0.9 (2°C) | 1.1 (2°C) | 1.3 (2°C) | 2.1 (2°C) |
| | | At reference design temperature | kW | 0.9 (2°C) | 1.1 (2°C) | 1.3 (2°C) | 2.1 (2°C) |
| | Declared Capacity | at bivalent temperature | kW | 0.9(2°C) | 1.1 (2°C) | 1.3 (2°C) | 2.1 (2°C) |
| Heating (Warmer | Capacity | at operation limit temperature | kW | 1.3 (-15°C) | 1.7 (-15°C) | 2.1 (-15°C) | 3.4 (-15°C) |
| (warmer Season) | Back up heating | capacity | kW | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) |
| 0000011 | Annual electricity | consumption (*2) | kWh/a | 234 | 268 | 304 | 543 |
| | SCOP (*4) | | | 5.3 | 5.7 | 5.9 | 5.4 |
| | | Energy efficiency class | | A+++ | A+++ | A+++ | A+++ |

| Туре | | | | | | Inverter H | leat Pump | | |
|--------------------|-------------------------|---------------------------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|
| Indoor Ur | nit | | | MSZ-HR25VF | MSZ-HR35VF | MSZ-HR42VF | MSZ-HR50VF | MSZ-HR60VF | MSZ-HR71VF |
| Outdoor | Unit | | | MUZ-HR25VF | MUZ-HR35VF | MUZ-HR42VF | MUZ-HR50VF | MUZ-HR60VF | MUZ-HR71VF |
| Refrigera | nt | | | | | R32 | 2 (*3) | | |
| | Design load | | 2.5 | 3.4 | 4.2 | 5.0 | 6.1 | 7.1 | |
| Cooling | Annual electricity | consumption (12) | kWh/a | 141 | 191 | 226 | 269 | 296 | 355 |
| coomig | SEER | | | 6.2 | 6.2 | 6.5 | 6.5 | 7.2 | 7.0 |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ |
| | Design load | | kW | 1.1 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.5 (2°C) | 3.0 (2°C) |
| | | at reference design temperature | kW | 1.1 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.5 (2°C) | 3.0 (2°C) |
| | Declared Capacity | at bivalent temperature | kW | 1.1 (2°C) | 1.3 (2°C) | 1.6 (2°C) | 2.1 (2°C) | 2.5 (2°C) | 3.0 (2°C) |
| Heating (Warmer | Capacity | at operation limit temperature | kW | 1.9 (-10°C) | 2.4 (-10°C) | 2.9 (-10°C) | 3.8 (-10°C) | 4.6 (-10°C) | 5.4 (-10°C) |
| Season) | Back up heating | g capacity | kW | 0.0 (2°C) |
| , | Annual electricity | consumption (*2) | kWh/a | 289 | 344 | 427 | 558 | 640 | 802 |
| | SCOP | | | 5.3 | 5.2 | 5.2 | 5.2 | 5.4 | 5.2 |
| | Energy efficiency class | | | A+++ | A+++ | A+++ | A+++ | A+++ | A+++ |

| Туре | | | | | nverter Heat Pump |) | | |
|--------------------|----------------------|---------------------------------|-------|-------------|-------------------|-------------|--|--|
| Indoor Ur | nit | | | MSZ-DW25VF | MSZ-DW35VF | MSZ-DW50VF | | |
| Outdoor I | Jnit | | | MUZ-DW25VF | MUZ-DW35VF | MUZ-DW50VF | | |
| Refrigera | nt | | | R32 (3) | | | | |
| | Design load | | kW | 2.5 | 3.4 | 5.0 | | |
| Coolina | Annual electricity | consumption (12) | kWh/a | 135 | 184 | 261 | | |
| cooming | SEER | | | 6.2 | 6.2 | 6.5 | | |
| | | Energy efficiency class | | A++ | A++ | A++ | | |
| | Design load | | kW | 1.1 (2°C) | 1.3 (2°C) | 2.1 (2°C) | | |
| | | at reference design temperature | kW | 1.1 (2°C) | 1.3 (2°C) | 2.1 (2°C) | | |
| | Declared Capacity | at bivalent temperature | kW | 1.1 (2°C) | 1.3 (2°C) | 2.1 (2°C) | | |
| Heating | Capacity | at operation limit temperature | kW | 1.9 (-10°C) | 2.4 (-10°C) | 3.8 (-10°C) | | |
| (Warmer Season) | Back up heating | capacity | kW | 0.0 (2°C) | 0.0 (2°C) | 0.0 (2°C) | | |
| 0003011) | Annual electricity | consumption (*2) | kWh/a | 287 | 351 | 508 | | |
| | SCOP | | | 5.3 | 5.1 | 5.3 | | |
| | | Energy efficiency class | | A+++ | A+++ | A+++ | | |

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant fluid with (*2) Energy consumption based on standard tests results. Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid with a GWP equal to 1950. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.







SELECTION

Series line-up consists of two types of indoor units. Choose the model that best matches room conditions.

| | SELECT INDOOR UNIT | |
|---|---|--|
| Select the optimal unit and capac | ity required to match room construction an | d air conditioning requirements. |
| R32 (R410A) | R32 (R410A) | R32 |
| | | |
| Units without Remote Controller SLZ-M15FA2 (Multi split series connection only) SLZ-M25FA2 SLZ-M35FA2 SLZ-M50FA2 SLZ-M60FA2 | Units without Remote Controller SEZ-M25DA2 SEZ-M35DA2 SEZ-M50DA2 SEZ-M60DA2 SEZ-M71DA2 | Units without Remote Controller SFZ-M25VA SFZ-M35VA SFZ-M50VA SFZ-M60VA SFZ-M71VA |
| Panel With Signal With 3D i-see With Wireless With Plasma SIP-2FA SIP-2FA Connect SIP-2FAL ✓ Connect SIP-2FAL ✓ Connect SIP-2FAL ✓ Connect SIP-2FAL ✓ Connect SIP-2FALE ✓ ✓ SIP-2FALME2 ✓ ✓ SIP-2FALP ✓ ✓ SIP-2FALP ✓ ✓ SIP-2FALP ✓ ✓ | Units with Wireless Remote Controller SEZ-M25DAL2 SEZ-M35DAL2 SEZ-M50DAL2 SEZ-M60DAL2 SEZ-M71DAL2 | |

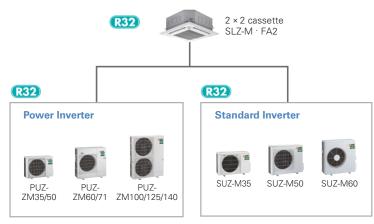


*To confirm compatibility with the MXZ Series multi-type system, refer to the MXZ Series page.



2x2 Cassette Line-up

The SLZ series was previously only able to be connected to standard inverters and some power inverters. However, it can now also be connected to low-capacity power inverters. The ability to connect to a high-performance power inverter allows us to offer a wider range of options to our customers.



New lineup

1.5kW has been introduced for multi connection. The diverse selection enables the best solution for both customer and location.

| Capacity | 15 | 25 | 35 | 50 | 60 |
|----------|--------------|--------------|--------------|--------------|--------------|
| SLZ-KF | | \checkmark | \checkmark | \checkmark | \checkmark |
| SLZ-M | \checkmark | \checkmark | \checkmark | \checkmark | \checkmark |

Beautiful design

The straight-line form introduced has resulted in a beautiful square design. Its high affinity ensures the ability to blend in seamlessly with any interior. The indoor unit is an ideal match for office or store use.

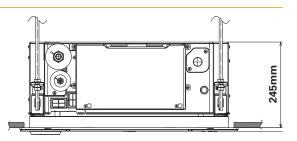
Of course, design matched 2×2 (600mm*600mm) ceiling construction specifications.



The height above ceiling of 245mm

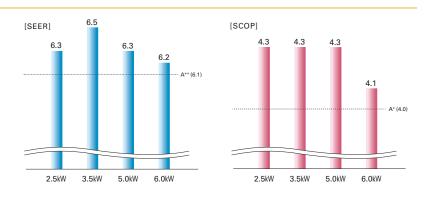
The height above ceiling of 245mm enables fitting into narrow ceiling space. Installation is simple, even when the ceiling spaces are narrow to make the ceilings higher.

Of course, in addition to our products, replacing competitors' product is simplified too.



Energy-saving Performance*

The energy-saving performance achieved A++ in SEER and A+ in SCOP. *In case of connecting with SUZ-KA-VA6



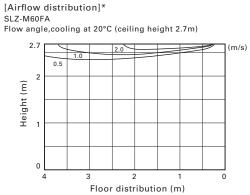
Quietness

Low sound level has been realized by introduction of 3D turbo fan. New SLZ can give users quieter and move comfortable room condition.



Horizontal Airflow

The new airflow control completely eliminates that uncomfortable drafty-feeling with the introduction of a horizontal airflow that spreads across the ceiling. The ideal airflow for offices and restaurants.



*Vane angle: Horizontal

Easy installation

Temporary hanging hook

The structure of the panel has been revised and is now equipped with a temporary hanging hook. This has improved work efficiency during temporary panel installation.





No need to remove screws

Installation is possible without removing the screws for control box simply loosen them. This eliminates the risk of losing screws.

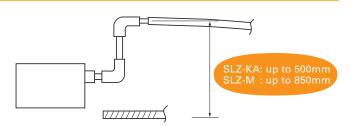


Control box cover



Drain lift

As the result of using a larger drain pan, the maximum drain lifting height has been up to 850mm, greatly enhancing construction flexibility compared to the existing model.



3D -see Sensor for S & P SERIES

Detects number of people

Room occupancy energy-saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save air-conditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode*

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

* When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-OFF mode" cannot be used.

Detects people's position

Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block to the wind for each vane.



*PAR-41MAA or PAR-SL101A-E is required for each setting.

Seasonal airflow*

<When cooling>

Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

Room occupancy energy save mode

ancy energy save mod

No occupancy Auto-Off mode

100

100

<When heating>

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.

*PAR-41MAA is required for each setting

1°C

0

2°C

power savings

Auto-Off

power savings



*PAR-41MAA is required for each setting.

Connectable to **Plasma Quad Connect**

The optional Plasma Quad Connect SLP-2FAP, SLP-2FALP, SLP-2FALMP2 can be installed on the indoor units.*1*2*3

- *1 Plasma Quad Connect cannot be used with PAC-SK54/46KF-E (V blocking filter).
- *2 If Plasma Quad Connect is used with MAC-334/397/587IF-E (Interface), Plasma Quad Connect use the indoor units CN105. Other interface use the another CN105 on Plasma Quad Connect's PCB.
- *3 If Plasma Quad Connect is used with PAC-SK35VK-E (Valve kit) or PAC-SK39AP-E (Valve kit attachment), Plasma Quad Connect use the indoor units barring holes for valve kit. Valve kit needs to be installed on suspension bolts or on horizontal surface using dedicated attachment optional parts.



| SLZ-M se | RIES | | | | Inverter Jost Lap Carl Karger Co Fan More PARM Course Figure Method |
|---|-----------------------------|-----------------------------------|------------------------------------|-----------------------------|---|
| Indoor Uni (R32) (R410A) SLZ-M15/ | t 25/35/50/60FA | 2 | | Lay a | Outdoor Unit Image: R32 For Single Image: Puz-zM35/50 Puz-zM35/50 Puz-zM36 Puz-zM120/125/140 Puz-zM130/125/140 Puz |
| Panel SLP-2FA SLP-2FAL SLP-2FAL SLP-2FALE SLP-2FALE SLP-2FALE SLP-2FALE SLP-2FALP SLP-2FALP SLP-2FALP SLP-2FALP | With Signal Receiver | With 3D i-see Sensor ✓ ✓ | With Wireless Remote Controller | With Plasma Quad Connect | Romoto Controllor |
| Pure White AU Flare connection | TO NE Fresh-ar Intake | Long Life | FA Swing Checkl | | Auto Restart Low Temp Cooling Group Octowa M-NET Control Optional Wi-Fi */) Control MXZZ Convection Drain Lift Up |

| | | | | | | | | oor Unit Cap | | | | | | | | |
|-------------------------|-------------------|------|------|------|------------|-----|-----|--------------|------|-----------|------|------|-------------|------|--------|----------|
| Indoor Unit Combination | | | | | For Single | | | | | For Twin | | | For Triple | | For Qu | adruple |
| | | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 71 | 100 | 125 | 100 | 125 | 140 | 125 | 140 |
| Power Invert | er (PUZ-ZM) | 35×1 | 50×1 | 60×1 | - | - | - | - | 35×2 | 50×2 | 60×2 | 35×3 | 50×3 | 50×3 | 35×4 | 35×4 |
| | Distribution Pipe | - | - | - | - | - | - | - | М | SDD-50TR2 | 2-E | N | /ISDT-111R3 | -E | MSDF-1 | 1111R2-E |

| Туре | | | | | Inverter Heat Pump | |
|------------|-----------------------------|---------------------------------|---------------------|--------------------------|--------------------------|--------------------------|
| ndoor Unit | | | | SLZ-M35FA2 | SLZ-M50FA2 | SLZ-M60FA2 |
| Outdoor Ur | it | | | PUZ-ZM35VKA2 | PUZ-ZM50VKA2 | PUZ-ZM60VHA2 |
| efrigerant | *1) | | | | R32 | |
| ower | Source | | | | Outdoor power supply | |
| upply | Outdoor(V/Phase/Hz) | | | | 230/Single/50 | |
| ooling | | Rated | kW | 3.6 | 5.0 | 6.1 |
| | | | kW | 1.6 - 4.5 | 2.3 - 5.6 | 2.7 - 6.5 |
| | | Rated | kW | 0.800 | 1.315 | 1.648 |
| | EER | | | 4.50 | 3.80 | 3.70 |
| | Design load | | kW | 3.6 | 5.0 | 6.1 |
| | Annual electricity consump | tion(*2) | kWh/a | 194 | 280 | 346 |
| | SEER ^(*4) | | ice en y ca | 6.5 | 6.2 | 6.1 |
| | | Energy efficiency class | | A++ | 0.2 A++ | A++ |
| eating | | | kW | 4.1 | 5.0 | 6.4 |
| ang | | | kW | 1.6 - 5.0 | 2.5 - 5.5 | 2.8 - 7.3 |
| | | Rated | kW | 1.205 | 1.470 | 2.064 |
| | COP | [| | 3.40 | 3.40 | 3.10 |
| | Design load | | kW | 2.4 | 3.8 | 4.4 |
| | | at reference design temperature | | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 4.4 (-10°C) |
| | | | kW | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) |
| | | at operation limit temperature | | 2.2 (-11°C) | 3.7 (-11°C) | 2.8 (-20°C) |
| | Back up heating capacity | at operation innit temperature | kW | 0.0 | 0.0 | 0.0 |
| | Annual electricity consump | tion ^(*2) | kWh/a | | | 1560 |
| | SCOP(*4) | | Kvvnyu | 820 1273 4.0 4.1 | | 3.9 |
| | | Energy efficiency class | | 4.0 A+ | A+ | A |
| perating | Current(Max) | | A | 13.2 | 13.3 | 19.4 |
| | | Rated | kW | 0.02 / 0.02 | 0.03 / 0.03 | 0.04 / 0.04 |
| | Operating Current(Max) | | A | 0.24 | 0.32 | 0.43 |
| | Dimensions | H*W*D | mm | 245-570-570 <10-625-625> | 245-570-570 <10-625-625> | 245-570-570 <10-625-625> |
| | Weight | | kg | 15 <3> | 15 <3> | 15 <3> |
| | Air Volume (Lo-Mi2-Mi1-Hi) | | m ³ /min | 6.5-8.0-9.5 | 7.0-9.0-11.5 | 7.5-11.5-13.0 |
| | Sound Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 25-30-34 | 27-34-39 | 32-40-43 |
| | Sound Level (PWL) | | dB(A) | 51 | 56 | 60 |
| utdoor | Dimensions | H*W*D | mm | 630-809-300 | 630-809-300 | 943-950-330(+25) |
| | Weight | | kg | 46 | 46 | 67 |
| | | Cooling | m³/min | 45 | 45 | 55 |
| | | | m³/min | 45 | 45 | 55 |
| | Sound Level (SPL) | Cooling | dB(A) | 44 | 44 | 47 |
| | | Heating | dB(A) | 46 | 46 | 49 |
| | Sound Level (PWL) | Cooling | dB(A) | 65 | 65 | 67 |
| | Operating Current(Max) | | A | 13 | 13 | 19 |
| | Breaker Size | | A | 16 | 16 | 25 |
| xt.Piping | Diameter ^(*5) | Liquid/Gas | mm | 6.35 / 12.7 | 6.35 / 12.7 | 9.52 / 15.88 |
| 1 | Max.Length | Out-In | m | 50 | 50 | 55 |
| | | Out-In | m | 30 | 30 | 30 |
| | | Cooling ^(*3) | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| | | Heating | °C | -11 ~ +21 | -11 ~ +21 | -20 ~ +21 |

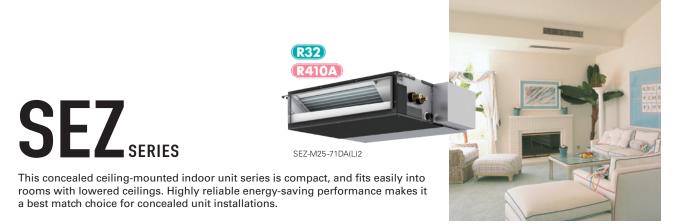
*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of Ra10A is 2088 in the IPCC 4th Assessment Report.
 *2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
 *3 Optional air protection guide is required where ambient temperature is lower than -5°C.
 *4 SEER and SCOP are based on 2009/12/5/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
 *5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

| ndoor Uni | t | 0. | -1 | | Outdoor Unit | For Single | R32 | |
|--|-------------------------|-------------------------|------------------------------------|-----------------------------|----------------|------------------------------------|------------|-------|
| R32 R410A | | | | - Maria | R32 | | | |
| SLZ-M15/ | 25/35/50/60FA2 | | | | SUZ-M25/35VA | SUZ-M50VA | SUZ | M60VA |
| | | | | | | | | |
| Panel | | | | | Remote Control | ler | | |
| Panel | With Signal Receiver | With 3D i-see Sensor | With Wireless Remote Controller | With Plasma Quad Connect | | ler | | |
| Panel SLP-2FA | Receiver | | | | | ler | • | |
| Panel SLP-2FA SLP-2FAL | | Sensor | | | | | | |
| Panel SLP-2FA SLP-2FAL SLP-2FAE | Receiver | | | | | ler | - 25 or | Anne |
| Panel SLP-2FA SLP-2FAL SLP-2FAE SLP-2FALE | Receiver | Sensor | Remote Controller | | Remote Control | Ame | - 25.0c | |
| Panel SLP-2FA SLP-2FAL SLP-2FAL SLP-2FALE SLP-2FALE SLP-2FALM2 | Receiver | Sensor ✓ ✓ | Remote Controller | | | Anne Salassa ave Salassa ave | 25.orc | |
| Panel SLP-2FA SLP-2FAL SLP-2FAL SLP-2FALE SLP-2FALM2 SLP-2FALM22 | Receiver | Sensor | Remote Controller | Quad Connect | | Anne Salassa ave Salassa ave | 25.oc | |
| Panel SLP-2FA SLP-2FAL SLP-2FAL SLP-2FALE SLP-2FALM2 SLP-2FALM2 SLP-2FALM22 SLP-2FAP | Receiver | Sensor ✓ ✓ | Remote Controller | Quad Connect | | | | |
| Panel SLP-2FA SLP-2FAL SLP-2FAE SLP-2FALE SLP-2FALM2 SLP-2FALM2 | Receiver | Sensor ✓ ✓ | Remote Controller | Quad Connect | | | 25.or | |

| | | | | oor Unit Cap | | | | | |
|---------------|-------------------|------------|------|--------------|------|----|--|--|--|
| Indoor Unit C | ombination | For Single | | | | | | | |
| | | 25 | 35 | 50 | 60 | 71 | | | |
| S Seires | | 25×1 | 35×1 | 50×1 | 60×1 | - | | | |
| | Distribution Pipe | - | - | - | - | - | | | |

| Туре | | | | 0171405540 | | leat Pump | 0171400540 | | | | |
|------------|--|---------------------------------|---------------------|--------------------------|--------------------------|--------------------------|-------------------------|--|--|--|--|
| ndoor Unit | | | | SLZ-M25FA2 | SLZ-M35FA2 | SLZ-M50FA2 | SLZ-M60FA2 | | | | |
| utdoor Ur | | | | SUZ-M25VA | SUZ-M35VA | SUZ-M50VA | SUZ-M60VA | | | | |
| efrigerant | | | | | | 32 | | | | | |
| | Source | | | | | ower supply | | | | | |
| | Outdoor(V/Phase/Hz) | | | 230/Single/50 | | | | | | | |
| ooling | Capacity | | kW | 2.5 | 3.5 | 4.6 | 5.7 | | | | |
| | | Min-Max | kW | 1.4 - 3.2 | 0.7 - 3.9 | 1.0 - 5.2 | 1.5 - 6.3 | | | | |
| | Total Input | Rated | kW | 0.657 | 1.093 | 1.352 | 1.676 | | | | |
| | EER | | | 3.80 | 3.20 | 3.40 | 3.40 | | | | |
| | Design load | | kW | 2.5 | 3.5 | 4.6 | 5.7 | | | | |
| | Annual electricity consumption ^(*2) | | kWh/a | 139 | 183 | 253 | 321 | | | | |
| | SEER ^(*4) | | | 6.3 | 6.7 | 6.3 | 6.2 | | | | |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ | | | | |
| eating | Capacity | | kW | 3.2 | 4.0 | 5.0 | 6.4 | | | | |
| | | Min-Max | kW | 1.3 - 4.2 | 1.0 - 5.0 | 1.3 - 5.5 | 1.6 - 7.3 | | | | |
| | Total Input | Rated | kW | 0.886 | 1.078 | 1.562 | 2.133 | | | | |
| | COP | | | 3.61 | 3.71 | 3.20 | 3.00 | | | | |
| | Design load | | | 2.2 | 2.6 | 3.6 | 4.6 | | | | |
| | Declared Capacity | at reference design temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.2 (-10°C) | 4.1 (-10°C) | | | | |
| | | at bivalent temperature | kW | 2.0 (-7°C) | 2.3 (-7°C) | 3.2 (-7°C) | 4.1 (-7°C) | | | | |
| | | | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.2 (-10°C) | 4.1 (-10°C) | | | | |
| | Back up heating capacity | | kW | 0.2 | 0.3 | 0.4 | 0.5 | | | | |
| | Annual electricity consumption ^(*2) | | kWh/a | 716 | 845 | 1192 | 1560 | | | | |
| | SCOP ^(*4) | | ice en ja | 4.3 | 4.3 | 4.2 | 4.1 | | | | |
| | | Energy efficiency class | | A+ | A+ | A+ | A+ | | | | |
| perating | Current(Max) | | A | 7.0 | 8.7 | 13.8 | 15.2 | | | | |
| | Input [cooling / Heating] | Rated | kW | 0.02 / 0.02 | 0.02 / 0.02 | 0.03 / 0.03 | 0.04 / 0.04 | | | | |
| | Operating Current(Max) | | A | 0.20 | 0.24 | 0.32 | 0.43 | | | | |
| | Dimensions | H*W*D | mm | 245-570-570 <10-625-625> | 245-570-570 <10-625-625> | 245-570-570 <10-625-625> | 245-570-570 <10-625-625 | | | | |
| | Weight | | ka | 15 <3> | 15 <3> | 15 <3> | 15 <3> | | | | |
| | Air Volume (Lo-Mi2-Mi1-Hi) | | m ³ /min | 6.5-7.5-8.5 | 6.5-8.0-9.5 | 7.0-9.0-11.5 | 7.5-11.5-13.0 | | | | |
| | Sound Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 25-28-31 | 25-30-34 | 27-34-39 | 32-40-43 | | | | |
| | Sound Level (PWL) | | dB(A) | 48 | 51 | 56 | 60 | | | | |
| utdoor | Dimensions | H*W*D | mm | 550-800-285 | 550-800-285 | 714-800-285 | 880-840-330 | | | | |
| nit | Weight | | kg | 30 | 35 | 41 | 54 | | | | |
| | Air Volume | Cooling | m ³ /min | 36.3 | 34.3 | 45.8 | 50.1 | | | | |
| | | Heating | m³/min | 34.6 | 32.7 | 43.7 | 50.1 | | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 45 | 48 | 48 | 49 | | | | |
| | | Heating | dB(A) | 46 | 48 | 49 | 51 | | | | |
| | Sound Level (PWL) Cooling | | dB(A) | 59 | 59 | 64 | 65 | | | | |
| | Operating Current(Max) | | A | 6.8 | 8.5 | 13.5 | 14.8 | | | | |
| | Breaker Size | | A | 10 | 10 | 20 | 20 | | | | |
| | Diameter ^(*5) | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | 6.35 / 15.88 | | | | |
| | Max.Length | Out-In | m | 20 | 20 | 30 | 30 | | | | |
| | Max.Height | Out-In | m | 12 | 12 | 30 | 30 | | | | |
| | d Operating Range (Outdoor) | Cooling ^(*3) | °C | -10 ~ +46 | -10 ~ +46 | -15 ~ +46 | -15 ~ +46 | | | | |
| | a operating nunge (outdoor) | Heating | °C | -10 ~ +24 | -10 ~ +40 | -10 ~ +24 | -10 ~ +24 | | | | |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming would be refrigerant with ligher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfree with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report. *2 Energy consumption based on standard test results. Actual energy consumption based on standard test results. Actual energy consumption based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No206/2012. *4 Joint pipe is required depending on installed refrigerant pipes, outdoor units.



High Energy Efficiency

Highly efficient indoor units with DC inverter contribute to a reduction in electricity consumption throughout a year. The SEZ series has achieved energy-saving performance of "A+" or higher when connected to PUZ series and "A" or higher when connected to SUZ-M series.



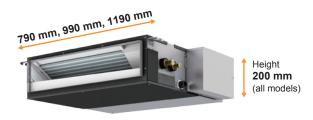
Lineup of compatible outdoor unit has been expanded by power inverter series

Although models in the SEZ series were previously only compatible with the standard inverter, they can now also be connected to small capacity power inverters. The ability to connect to a power inverter with high-performance specifications makes it possible to offer an even wider range of solutions to our customers.



Compact Design with a Height of 200 mm

The height of the units is 200 mm for all capacity ranges. Its thin body is suitable for installation in low ceilings with a small cavity space.



| SEZ-M DA(L)2 | M25 | M35 | M50 | M60 | M71 |
|--------------|-----|-----|-----|-----|-----|
| Height mm | | | 200 | | |
| Width mm | 790 | 99 | 90 | 119 | 90 |

Selectable Static Pressure Levels

(set to 25 Pa at the time of factory shipment).

External static pressure can be selected from 5, 25, 35, and 50 Pa

Low Noise Operation

Low noise operation contributes to a peaceful indoor environment. The SPL of M25/35 model, which is the quietest model among the new series, is as low as 22 dB (ESP 5 Pa, low fan speed setting).

| | Сара | acity | M25 | M35 | M50 | M60 | M71 |
|-------------------|----------------|-------|-----|-----|-----|-----|-----|
| Sound | _ | High | 29 | 30 | 36 | 37 | 39 |
| pressure level | e Fan speed | Mid | 25 | 26 | 33 | 33 | 34 |
| | | Low | 22 | 22 | 29 | 29 | 29 |

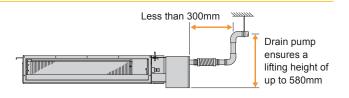
*When fan speed setting is low, the cooling/heating capacity is subject to reduce.

*Operation noise may increase due to the installation environment or the operation status.

Drain Pump (Optional)

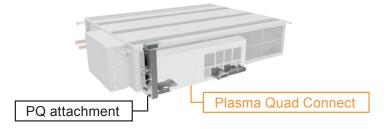
The PAC-KE07DM-E drain pump is available as an option. The drain connection can be raised as high as 580 mm, allowing more freedom in piping layout design.

*The use of drain pump may increase the operation noise.



Connectable to Plasma Quad Connect

The optional Plasma Quad Connect MAC-100FT-E can be installed on the indoor unit's air inlet side. For installation, PQ attachment PAC-HA11PAR is required.



| SEZ-M series | Inverter Autor DC Faller | Heat Caulking Heat Caulking Faing Method Growth Pom |
|---|---|--|
| Indoor Unit | Outdoor Unit | |
| R32 | R32 For Single | For Multi (Twin/Triple/Quadruple) |
| R410A | PUZ-ZM35/50 PUZ-ZM60/7 | 71 PUZ-ZM71 PUZ-ZM100/125/140 |
| | Remote Controller | |
| SEZ-M25/35/50/60/71DA2 (Requires Wired Remote Controller) SEZ-M25/35/50/60/71DAL2 (Wireless Remote Controller is enclosed) | | 25.0c |
| | Enclosed in *optiona SEZ-M DAL2 (for SEZ-M [| |
| Stroup Control Cytom | | are Set Failure Recall |

| Outdoor Unit Capacity | | | | | | | | | | | | | | | | |
|-----------------------|-------------------|------------|------|------|------|-----|----------|-----|------------|-----------|---------------|------|-------------|------|--------|----------|
| Indoor Unit C | ombination | For Single | | | | | For Twin | | For Triple | | For Quadruple | | | | | |
| | | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 71 | 100 | 125 | 100 | 125 | 140 | 125 | 140 |
| Power Inverte | er (PUZ-ZM) | 35×1 | 50×1 | 60×1 | 71×1 | - | - | - | 35×2 | 50×2 | 60×2 | 35×3 | 50×3 | 50×3 | 35×4 | 35×4 |
| | Distribution Pipe | - | - | - | - | - | - | - | M | SDD-50TR2 | 2-E | N | /ISDT-111R3 | -E | MSDF-1 | 1111R2-E |

| Туре | | | | | | Heat Pump | |
|--------------------------|---------------------------------------|---------------------------------|--------|------------------------|------------------------|------------------------|------------------------|
| ndoor Unit | | | | SEZ-M35DA(L)2 | SEZ-M50DA(L)2 | SEZ-M60DA(L)2 | SEZ-M71DA(L)2 |
| utdoor Uni | | | | PUZ-ZM35VKA2 | PUZ-ZM50VKA2 | PUZ-ZM60VHA2 | PUZ-ZM71VHA2 |
| efrigerant ^{(*} | | | | | | R32 | |
| | Source | | | | | oower supply | |
| upply (| Dutdoor(V/Phase/Hz) | | | | 230/5 | Single/50 | |
| ooling | | | kW | 3.6 | 5.0 | 6.1 | 7.1 |
| | | Min-Max | kW | 1.6 - 3.9 | 2.3 - 5.6 | 2.7 - 6.3 | 3.3 - 8.1 |
| 1 | Total Input | Rated | kW | 0.857 | 1.315 | 1.525 | 1.918 |
| | EER ^(*4) | | | 4.20 | 3.80 | 4.00 | 3.70 |
| Г | | | kW | 3.6 | 5.0 | 6.1 | 7.1 |
| | Annual electricity consumption(*2) kW | | | 205 | 287 | 352 | 440 |
| | SEER ^{(*4)(*5)} | | | 6.1 | 6.1 | 6.0 | 5.6 |
| | | Energy efficiency class | | A++ | A++ | A+ | A+ |
| eating | Capacity | | kW | 4.1 | 6.0 | 7.0 | 8.0 |
| | | Min-Max | kW | 1.6 - 5.0 | 2.5 - 7.2 | 2.8 - 8.0 | 3.5 - 10.2 |
| | Total Input | Rated | kW | 1.025 | 1.578 | 1.707 | 2.051 |
| | COP ^(*4) | | | 4.00 | 3.80 | 4.10 | 3.90 |
| F | | | kW | 2.4 | 3.8 | 4.4 | 4.7 |
| | | at reference design temperature | | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) |
| | | at bivalent temperature | kW | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) |
| | | | kW | 2.2 (-11°C) | 3.7 (-11°C) | 2.8 (-20°C) | 3.5 (-20°C) |
| | Back up heating capacity | | kW | 0.0 | 0.0 | 0.0 | 0.0 |
| | Annual electricity consump | tion ^(*2) | kWh/a | 791 | 1279 | 1464 | 1633 |
| | SCOP(*4)(*5) | | | 4.2 | 4.1 | 4.2 | 4.0 |
| | | Energy efficiency class | | A+ | A+ | A+ | A+ |
| perating (| Current(Max) | | A | 13.7 | 13.8 | 19.9 | 20.0 |
| door l | nput [cooling / Heating] | Rated | kW | 0.047 | 0.077 | 0.084 | 0.102 |
| nit 🖸 | Operating Current(Max) | P | A | 0.65 | 0.82 | 0.88 | 1.00 |
| 0 | Dimensions | H*W*D | mm | 200 - 990 - 700 | 200 - 990 - 700 | 200 - 1190 - 700 | 200 - 1190 - 700 |
| | Veight | | kg | 22 | 22 | 25.5 | 25.5 |
| | Air Volume (Lo-Mid-Hi) | | m³/min | 7 - 9 - 11 | 10 - 12.5 - 15 | 12 - 15 - 18 | 12 - 16 - 20 |
| | External Static Pressure(*7) | | Pa | <5> - 25 - <35> - <50> | <5> - 25 - <35> - <50> | <5> - 25 - <35> - <50> | <5> - 25 - <35> - <50: |
| S | Sound Level (Lo-Mid-Hi) (SPL) | | dB(A) | 23 - 27 - 31 | 30 - 34 - 37 | 30 - 34 - 38 | 30 - 35 - 40 |
| L | | | dB(A) | 22 - 26 - 30 | 29 - 33 - 36 | 29 - 33 - 37 | 29 - 34 - 39 |
| | Sound Level (PWL) | | dB(A) | 51 | 57 | 58 | 60 |
| | | | mm | 630-809-300 | 630-809-300 | 943-950-330(+25) | 943-950-330(+25) |
| | Neight | | kg | 46 | 46 | 67 | 67 |
| 4 | | | m³/min | 45 | 45 | 55 | 55 |
| L | | | m³/min | 45 | 45 | 55 | 55 |
| 5 | Sound Level (SPL) | | dB(A) | 44 | 44 | 47 | 47 |
| | | | dB(A) | 46 | 46 | 49 | 49 |
| | Sound Level (PWL) | | dB(A) | 65 | 65 | 67 | 67 |
| | Operating Current(Max) A | | | 13 | 13 | 19 | 19 |
| | Breaker Size | | A | 16 | 16 | 25 | 25 |
| | Diameter ^(*6) | | mm | 6.35 / 12.7 | 6.35 / 12.7 | 9.52 / 15.88 | 9.52 / 15.88 |
| | Max.Length | | m | 50 | 50 | 55 | 55 |
| | | | m | 30 | 30 | 30 | 30 |
| uaranteed | I Operating Range (Outdoor) | Cooling ^(*3) | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| | | Heating | °C | -11 ~ +21 | -11 ~ +21 | -20 ~ +21 | -20 ~ +21 |

Integring in the state of th

| SEZ-M series | Inverter Do Do Reason |
|---|---|
| Indoor Unit | Outdoor Unit For Single |
| R32 R410A | R32 Image: Suz-M25/35VA R32 R32 Image: Suz-M50VA Suz-M50VA R32 Image: Suz-M50VA R32 R32 R32 R32 Image: Suz-M50VA R32 R32 R32 Image: Suz-M50VA R32 Image: Suze-M50VA R32 Image: Suze-M50VA |
| | Remote Controller |
| SEZ-M25/35/50/60/71DA2 (Requires Wired Remote Controller) SEZ-M25/35/50/60/71DAL2 (Wireless Remote Controller is enclosed) | |
| | Enclosed in *optional *optional *optional Enclosed in (for SEZ-M DA2) (for SEZ-M DA2) (for SEZ-M DA2 SEZ-M DAL2 |
| AUTO | Wi-Fi)) MXZ Drain Interface Connection Connection Connection |

| | | Outdoor Unit Capacity | | | | | | | |
|---------------|-------------------|-----------------------|------|------|------|------|--|--|--|
| Indoor Unit C | Combination | For Single | | | | | | | |
| | | 25 | 35 | 50 | 60 | 71 | | | |
| S Seires | S Seires | | 35×1 | 50×1 | 60×1 | 71×1 | | | |
| | Distribution Pipe | - | - | - | - | - | | | |

| Туре | | | | | | Inverter Heat Pump | | |
|-----------|-------------------------------|---------------------------------|---------|------------------------|------------------------|------------------------|------------------------|----------------------|
| ndoor Uni | t | | | SEZ-M25DA(L)2 | SEZ-M35DA(L)2 | SEZ-M50DA(L)2 | SEZ-M60DA(L)2 | SEZ-M71DA(L)2 |
| utdoor U | nit | | | SUZ-M25VA | SUZ-M35VA | SUZ-M50VA | SUZ-M60VA | SUZ-M71VA |
| efrigeran | ť(*1) | | | | | R32 | | |
| ower | Source | | | | | Outdoor power supply | | |
| upply | Outdoor(V/Phase/Hz) | | | | | 230/Single/50 | | |
| ooling | Capacity | Rated | kW | 2.5 | 3.5 | 5.0 | 6.1 | 7.1 |
| | | Min-Max | kW | 1.4 - 3.2 | 0.7 - 3.9 | 1.1 - 5.6 | 1.6 - 6.3 | 2.2 - 8.1 |
| | Total Input | Rated | kW | 0.714 | 1.000 | 1.547 | 1.848 | 2.151 |
| | EER ^(*4) | | | 3.50 | 3.50 | 3.23 | 3.30 | 3.30 |
| | Design load | | kW | 2.5 | 3.5 | 5.0 | 6.1 | 7.1 |
| | Annual electricity consum | ption ^(*2) | kWh/a | 146 | 202 | 290 | 385 | 451 |
| | SEER ^{(*4)(*5)} | | 6.0 | 6.0 | 6.0 | 5.5 | 5.5 | |
| | | Energy efficiency class | | A+ | A+ | A+ | A | A |
| ating | Capacity | Rated | kW | 2.9 | 4.2 | 6.0 | 7.4 | 8.0 |
| | | Min-Max | kW | 1.3 - 4.2 | 1.1 - 5.0 | 1.5 - 7.2 | 1.6 - 8.0 | 2.0 - 10.2 |
| | Total Input | Rated | kW | 0.803 | 1.076 | 1.617 | 2.049 | 2.285 |
| | COP ^(*4) | | | 3.61 | 3.90 | 3.71 | 3.61 | 3.50 |
| | Design load kW | | 2.2 | 2.6 | 4.3 | 4.6 | 5.8 | |
| | Declared Capacity | at reference design temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 4.5 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) |
| | Deciarca Supacity | at bivalent temperature | kW | 2.0 (-7°C) | 2.3 (-7°C) | 3.8 (-7°C) | 4.1 (-7°C) | 5.2 (-7°C) |
| | | at operation limit temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) |
| | Back up heating capacity | at operation milit temperature | kW | 0.2 | 0.3 | 0.5 | 0.5 | 0.6 |
| | Annual electricity consum | ntion ^(*2) | kWh/a | 769 | 878 | 1501 | 1516 | 2030 |
| | SCOP ^{(*4)(*5)} | ption | Kvvii/a | 4.0 | 4.1 | 4.0 | 4.2 | 3.9 |
| | 3001 | Energy efficiency class | | 4.0 A+ | 4.1 A+ | 4.0 A+ | 4.2 A+ | A |
| erating | Current(Max) | Lifergy eniciency class | A | 7.4 | 9.2 | 14.3 | 15.7 | 15.8 |
| door | Input [cooling / Heating] | Rated | kW | 0.043 | 0.047 | 0.077 | 0.084 | 0.102 |
| nit | Operating Current(Max) | nated | Δ | 0.62 | 0.65 | 0.82 | 0.88 | 1.00 |
| | Dimensions | H*W*D | mm | 200 - 790 - 700 | 200 - 990 - 700 | 200 - 990 - 700 | 200 - 1190 - 700 | 200 - 1190 - 700 |
| | Weight | | ka | 18 | 200 330 700 | 220 230 700 | 25.5 | 25.5 |
| | Air Volume (Lo-Mid-Hi) | | m³/min | 5.5 - 7 - 9 | 7 - 9 - 11 | 10 - 12.5 - 15 | 12 - 15 - 18 | 12 - 16 - 20 |
| | External Static Pressure(*6) | | Pa | <5> - 25 - <35> - <50> | <5> - 25 - <35> - <50> | <5> - 25 - <35> - <50> | <5> - 25 - <35> - <50> | <5> - 25 - <35> - <5 |
| | Sound Level (Lo-Mid-Hi) (SPL) | Bated | dB(A) | 23 - 26 - 30 | 23 - 27 - 31 | 30 - 34 - 37 | 30 - 34 - 38 | 30 - 35 - 40 |
| | | 5Pa(*7) | dB(A) | 22 - 25 - 29 | 22 - 26 - 30 | 29 - 33 - 36 | 29 - 33 - 37 | 29 - 34 - 39 |
| | Sound Level (PWL) | · | dB(A) | 50 | 51 | 57 | 58 | 60 |
| ıtdoor | Dimensions | H*W*D | mm | 550-800-285 | 550-800-285 | 714-800-285 | 880-840-330 | 880-840-330 |
| nit | Weight | | kg | 30 | 35 | 41 | 54 | 55 |
| | Air Volume | Cooling | m³/min | 36.3 | 34.3 | 45.8 | 50.1 | 50.1 |
| | | Heating | m³/min | 34.6 | 32.7 | 43.7 | 50.1 | 50.1 |
| | Sound Level (SPL) | Cooling | dB(A) | 45 | 48 | 48 | 49 | 49 |
| | | Heating | dB(A) | 46 | 48 | 49 | 51 | 51 |
| | Sound Level (PWL) | Cooling | dB(A) | 59 | 59 | 64 | 65 | 66 |
| | Operating Current(Max) A | | | 6.8 | 8.5 | 13.5 | 14.8 | 14.8 |
| | Breaker Size | | A | 10 | 10 | 20 | 20 | 20 |
| t.Piping | Diameter ^(*6) | Liquid/Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | 6.35 / 15.88 | 9.52 / 15.88 |
| | Max.Length | Out-In | m | 20 | 20 | 30 | 30 | 30 |
| | Max.Height | Out-In | m | 12 | 12 | 30 | 30 | 30 |
| | ed Operating Range (Outdoor) | Cooling ^(*3) | °C | -10 ~ +46 | -10 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| | | | | | | | | |

 Imaging
 Imaging

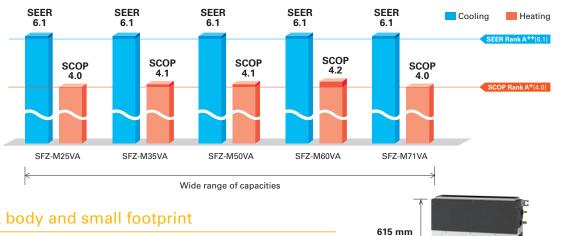
SF7

The concealed floor standing type indoor unit is newly introduced to the S-series and can be neatly installed in the perimeter zone. High energy efficiency is achieved across all capacity range. External static pressure, airflow rate, and air intake direction can be selected according to the customer's choice.



A wide lineup offering high energy efficiency

The SFZ series achieves an A++ rating on the SEER index, and an A+ rating on the SCOP index for all capacity range. No matter which capacity you select, the series offers a high level of energy efficiency.



Compact body and small footprint

With the control box built inside the unit, the compact body and small footprint are realized. This allows the unit to be installed within a small perimeter zone.

Flexible installation

Air inlet direction from the bottom or front can be selected by changing panel, fan guard and filter.

Bottom suction *1

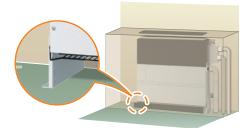


Front suction *2

Air outlet From the front

Installation with leas

(Without legs



700 mm

^Z 200 mm

*Height of unit (with legs) is 690 mm. *Legs are supplied as accessory with the unit.

*1 Select a site where the flow of supply air is not blocked. The unit cannot be placed directly on the floor in the case of bottom suction. *2 Unit with front suction generate more noise compared to bottom suction. Not recommended to be installed in rooms such as bedrooms where quietness is valued.

Fan speed

Airflow rate can be selected from 3 patterns; Low-Medium-High.

External static pressure

Four levels of static pressure are available. The ability to select additional static pressure provides flexibility for air outlet configuration.

SFZ-M25/35/50/60/71VA <0>/25/<40>/<60> Pa

The factory setting of external static pressure is shown without brackets (<>). Refer to "Fan characteristics curves" according to the external static pressure, in the DATA BOOK for the usable range of airflow rate.



| Outdoor Unit USZ M25V/A SUZ | Outdoor Refriger Power Supply | Unit ant*1 Source Outdoor (V/Phase/H Capacity Total Input | Rated | | | | SUZ-M50VA | | SFZ-M71VA SUZ-M71VA | | | | |
|--|--|--|---------------------------------|--------|-----------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|--|--|--|--|
| Tertigram** R32** R32** Supp? Outdoor (V/Phase/Hz) 200 / Single / 50 Cooling Capacity Rated KW 2.5 3.5 5.0 6.1 1.0 Total Input Rated KW 2.5 3.5 5.0 6.1 1.6 8.3 1.9 Total Input Rated KW 0.641 1.000 1.470 1.848 2.2 Design Load KW 0.641 1.000 1.470 1.848 2.2 Design Load KW 2.5 3.5 5.0 6.1 3.4 SEER 3.90 3.50 3.40 3.30 3.3 Design Load KW 2.5 3.5 5.0 6.1 3.6 SEER 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.1 6.2 6.1 <t< th=""><th>Refriger Power Supply</th><th>ant*1 Source Outdoor (V/Phase/H: Capacity Total Input</th><th>Rated</th><th></th><th>SUZ-M25VA</th><th>SUZ-M35VA</th><th></th><th>SUZ-M60VA</th><th>SUZ-M71VA</th></t<> | Refriger Power Supply | ant*1 Source Outdoor (V/Phase/H: Capacity Total Input | Rated | | SUZ-M25VA | SUZ-M35VA | | SUZ-M60VA | SUZ-M71VA | | | | |
| Source Outdoor power supply Supply Outdoor (V/Phase/Hz) 220 / Single / 50 Cooling [apacthy Rated KW RAted KW 2.5 3.5 5.0 6.1 [apacthy Rated KW Rated KW 8.4 2.0 0.7 - 3.9 1.1 - 5.6 1.6 - 6.3 1.9 [call input Rated KW 0.641 1.000 1.470 1.848 2.2 [call input Rated KW 0.641 1.000 1.470 1.848 2.2 [call input Rated KW 2.0 3.50 5.0 6.1 1.6 [Annual Electricity Consumption** Whi/a 14.3 199 2.84 3.46 4.4 [Annual Electricity Consumption** Whi/a 1.42 1.0 6.1< | Power Supply | Source Outdoor (V/Phase/Hz Capacity Total Input | Rated | | | | R32*1 | | | | | | |
| Supply Ourdoor (V/Phase/Hz) Cooling Cooling Capacity Rated KW 2.5 3.5 5.0 6.1 Cooling Capacity Rated KW 1.5 - 3.2 0.7 - 3.9 1.1 + 5.6 1.6 + 6.3 1.9 Total Input Rated KW 0.641 1.000 1.470 1.848 2.5 Design Load KW 0.641 1.000 1.470 1.848 2.5 Design Load KW 2.5 3.5 5.0 6.1 6.1 SEER*** 6.1 6.1 6.1 6.1 6.1 6.1 SEER*** 6.1 6.1 6.1 6.1 6.1 6.1 Marcage Rated KW 3.2 4.1 6.0 7.0 7.0 Total Input Rated KW 3.2 4.1 6.0 7.0 7.0 Total Input Rated KW 2.2 2.6 4.3 4.6 9.0 CoP | Supply | Outdoor (V/Phase/Hz Capacity Total Input | Rated | - | | | | | | | | | |
| Cooling Total Input Rated Min - Max KW 2.5 3.5 5.0 6.1 Total Input Rated KW 1.5 - 3.2 0.7 - 3.9 1.1 - 5.6 1.6 - 6.3 1.9 Total Input Rated KW 0.641 1.000 1.470 1.848 2.2 EER W 3.90 3.50 3.40 3.30 3.3 Annual Electricity Consumption*2 W/h/n 143 199 284 246 EER**** Energy Efficiency Class A*+ A*+ A*+ A*+ A*+ A*+ Heating Keverage Capacity Rated KW 3.2 4.1 6.0 7.0 1.0 Total Input Rated KW 3.2.4 1.0 -5.0 1.5 -7.2 1.6 -8.0 2.0 Total Input Rated KW 0.2.6 1.05.0 1.5 -7.2 1.6 -8.0 2.0 Total Input Rated KW 2.0 -10*C) 2.3 1-0*C) 3.1 (-10*C) 5.2 1.0 5 | | Capacity Total Input | Rated | | | Outdoor power supply | | | | | | | |
| Min - Max WW 1.5 - 3.2 0.7 - 3.3 1.1 - 5.6 1.6 - 6.3 1.9 Total Input Rated WW 0.641 1.000 1.470 1.848 2.2 EER 3.00 3.50 3.40 3.30 3.21 No No </th <th>Cooling</th> <th>Total Input</th> <th></th> <th></th> <th colspan="8">230 / Single / 50</th> | Cooling | Total Input | | | 230 / Single / 50 | | | | | | | | |
| Total Input Rated W 0.641 1.000 1.470 1.848 2. ER 3.90 3.50 3.40 3.31 1.00 0.5 0.00 1.00 0.5 1.00 0.5 1.00 0.5 1.00 0.5 1.00 0.5 1.00 0.5 1.00 0.5 1.00 0.5< | | · · · · · · · · · · · · · · · · · · · | NA1. NA. | kW | 2.5 | 3.5 | 5.0 | 6.1 | 7.1 | | | | |
| ER index in | | · · · · · · · · · · · · · · · · · · · | IVIIN - IVIAX | kW | 1.5 - 3.2 | 0.7 - 3.9 | 1.1 - 5.6 | 1.6 - 6.3 | 1.9 - 8.1 | | | | |
| Design Load Annual Electricity Consumption*2 WW 2.5 3.5 5.0 6.1 Heating (Average Sesson) Energy Efficiency Class A++ A+6 1051 11617 1886 2.2 2.0 OP 3.10* 0.5 11617 1886 12 14 14 14 14 14 14 14 14 14 14 14 12 4 < | | EER | Rated | kW | 0.641 | 1.000 | 1.470 | 1.848 | 2.151 | | | | |
| Annual Electricity Consumption*2 kWh/a 143 199 284 346 44 GER**** 6.1 6.2 6.3 7.0 | | | | | 3.90 | 3.50 | 3.40 | 3.30 | 3.30 | | | | |
| SEER+*** 6.1 6.1 6.1 6.1 6.1 6.1 6.1 Heating (Average Season) Capacity Min - Max Energy Efficiency Class A++ A+ A+ A.0 2.0 Co Co Co Co Co A.1 Co Co A.1 Co A.1 Co A.1 Co A.1 Co A.1 Co Co <th></th> <th>Design Load</th> <th></th> <th>kW</th> <th>2.5</th> <th>3.5</th> <th>5.0</th> <th>6.1</th> <th>7.1</th> | | Design Load | | kW | 2.5 | 3.5 | 5.0 | 6.1 | 7.1 | | | | |
| Image: Construct of the second sec | | Annual Electricity (| Consumption*2 | kWh/a | 143 | 199 | 284 | 346 | 403 | | | | |
| Heating (Average Sesson) Capacity (Min - Max Rated (W KW 3.2 4.1 6.0 70 1 Sesson) Min - Max KW 3.2 4.1 6.0 70 1 Sesson) Min - Max KW 1.2 - 4.2 1.0 - 5.0 1.5 - 7.2 1.6 - 8.0 2.0 COP 3.61 3.90 3.71 4.6 7.0 3.71 4.71 4.1 4.7 4.7 4.7 4.7 4.7 7.7 7.72 7.72 | | SEER*4 *5 | | | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 | | | | |
| (Average) Season (a) Min · Max kW 1.2 - 4.2 1.0 - 5.0 1.5 - 7.2 1.6 - 8.0 2.0 Total Input Rated kW 0.886 1.051 1.617 1.886 2.0 OP 3.61 3.90 3.71 7.71 4.71 7.71 7.71 7.71 7.71 7.71 7.71 7.71 7.7 | | | Energy Efficiency Class | | A++ | A++ | A++ | A++ | A++ | | | | |
| Season Interview NW 1.2 * 4.2 1.0 * 5.0 1.3 * 1.2 1.0 * 3.0 2.0 Total Input Rated KW 0.286 1.05 * 1.0 1.617 1.886 2.0 Operating Corp 3.61 3.90 3.71 | | | Rated | kW | 3.2 | 4.1 | 6.0 | 7.0 | 8.0 | | | | |
| Index Index KW 0.886 1.051 1.617 1.886 2.2 COP 3.61 3.90 3.71 <td< th=""><th></th><th></th><th>Min - Max</th><th>kW</th><th>1.2 - 4.2</th><th>1.0 - 5.0</th><th>1.5 - 7.2</th><th>1.6 - 8.0</th><th>2.0 - 10.2</th></td<> | | | Min - Max | kW | 1.2 - 4.2 | 1.0 - 5.0 | 1.5 - 7.2 | 1.6 - 8.0 | 2.0 - 10.2 | | | | |
| Jesign Load kW 2.2 2.6 4.3 4.6 4.6 Declared Capacity at reference design temperature kW 2.0 (-10°C) 2.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 at operation limit temperature kW 2.0 (-10°C) 2.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 Back Up Heating Capacity kW 2.0 (-10°C) 2.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 Back Up Heating Capacity kW 0.0 (-10°C) 2.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 SCOP**** 4.0 4.1 4.1 4.2 4.4 SCOP*** A 7.2 8.9 14.1 15.4 1 Indoor Input Rated kW 0.041 0.044 0.072 0.078 0.0 Operating Current (max) A 0.44 0.44 0.61 0.64 0.0 Indoor Input Rated kW 0.01 0.072 0.078 0.0 Dime | Season | Total Input | Rated | kW | 0.886 | 1.051 | 1.617 | 1.886 | 2.156 | | | | |
| Declared Capacity at reference design temperature at bivalent temperature at bivalent temperature at operation limit temperature at operation limit temperature at operation limit temperature at operation limit temperature bivalent temperature temperature kW 2.0 (-10°C) 2.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 (-10°C) Back Up Heating Capacity kW 0.0 (-7°C) 0.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 (-10°C) Back Up Heating Capacity kW 0.2 (-10°C) 0.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 (-10°C) Back Up Heating Capacity kW 0.2 (-0.3) 1.10 0.5 0 COP*** Constrained from temperature fenergy Efficiency Class A 7.2 8.87 1467 1532 1 Indoor Unit Input Rated kW 0.041 0.044 0.072 0.078 0.0 Unit Input Rated kW 0.041 0.044 0.61 0.64 0.0 Unit Input Rated kW 0 model 15.5 22.5 25.5 25 Current (| | COP | | | 3.61 | 3.90 | 3.71 | 3.71 | 3.71 | | | | |
| at bivalent temperature at operation limit temperature back UP heating Capacity kW 2.0 (-7°C) 2.3 (-7°C) 3.8 (-7°C) 4.1 (-7°C) 5.2 (| | Design Load | | kW | 2.2 | 2.6 | 4.3 | 4.6 | 5.8 | | | | |
| Image: Second state at operation limit temperature kW 2.0 (-10°C) 2.3 (-10°C) 3.3 (-10°C) 4.1 (-10°C) 5.2 (0) Back Up Heating Capacity kW 0.2 0.3 1.0 0.5 0 Annual Electricity Consumption*2 kWh/a 766 887 1467 1532 1 SCOP*4*5 Energy Efficiency Class A+ A+ A+ A+ A 4.1 4.1 4.2 0 Indoor Input Rated kW 0.041 0.044 0.072 0.078 0.0 Unit Operating Current (max) A 0.44 0.44 0.61 0.64 0.0 Unit Operating Current (max) A 0.44 0.44 0.61 0.64 0.0 Vight Value N 0.61 0.64 0.0 0 0 0 0.75 / 40.7 / 60.5 4.5 / 5.5 22.5 22.5 22.5 22.5 22.5 22.5 22.5 / 40.5 / 40.5 / 40.5 / 40.5 / 40.5 / 40.5 / 40.5 / 40.5 / 40.5 / 40.5 / 40.5 / 4 | | Declared Capacity | at reference design temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.3 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | | | | |
| Back Up Heating Capacity kW 0.2 0.3 1.0 0.5 0 Annual Electricity Consumption*2 kWh/a 766 887 1467 1532 1 SCOP*4*5 4.0 4.1 4.1 4.2 7 SCOP*4*5 A+ | | | at bivalent temperature | kW | 2.0 (-7°C) | 2.3 (-7°C) | 3.8 (-7°C) | 4.1 (-7°C) | 5.2 (-7°C) | | | | |
| Annual Electricity Consumption*2 kWh/a 766 887 1467 1532 1 SCOP***5 4.0 4.1 4.1 4.2 4.4 | | | at operation limit temperature | kW | 2.0 (-10°C) | 2.3 (-10°C) | 3.3 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | | | | |
| SCOP*4*5 4.0 4.1 4.1 4.1 4.2 4.2 Operating Current (max) A A+ | | Back Up Heating C | apacity | kW | 0.2 | 0.3 | 1.0 | 0.5 | 0.6 | | | | |
| Energy Efficiency Class A ⁺ A | | Annual Electricity Consumption*2 | | kWh/a | 766 | 887 | 1467 | 1532 | 1997 | | | | |
| Operating Current (max) A 7.2 8.9 14.1 15.4 1 Indoor Unit Input Rated kW 0.041 0.044 0.072 0.078 0.0 Unit Input Rated kW 0.041 0.044 0.072 0.078 0.0 Unit Operating Current (max) A 0.4 0.44 0.61 0.64 0.0 Unit Operating Current (max) A 0.40 0.44 0.61 0.64 0.0 Dimensions #meshes**1 H × W × D mm 615 (690) - 97 (700) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (90 - 200 600 - 225 625 (- 20 - / 25 / <400 - / 600 - 205 | | SCOP*4 *5 | | | 4.0 | 4.1 | 4.1 | 4.2 | 4.0 | | | | |
| Indoor Unit Input Rated kW 0.041 0.044 0.072 0.078 0.0 Unit Operating Current (max) A 0.44 0.44 0.61 0.64 0 Dimensions deneb*** H × W × D mm 615 (690) - 97 (700) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 200 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 615 (690) - 97 (900) - 20 610 - 20 20 0 Unitit | | | Energy Efficiency Class | | A+ | A+ | A+ | A+ | A+ | | | | |
| Unit Operating Current (max) A 0.44 0.44 0.61 0.64 00 Dimensions <paneb***< td=""> H × W × D mm 615 (690) - 977 (700) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 997 (900) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 197 (1100) - 200 615 (690) - 60> (25 / 25 / 25 - 25 - 25 25 - 40> / 25 / 40> / 40> / 40> (25 / 240> / 40> / 20 / 20 60> / 25 / 240> / 40> / 20 60> / 25 / 240> / 40> / 20 60> / 25 / 240> / 40> / 20 60> / 25 / 240> / 40> / 20 60> / 25 / 240> / 40> / 20 60> / 25 / 240> / 40> / 20 60> / 25 / 240> / 40> / 20 60> / 25 / 240> /</paneb***<> | Operatio | g Current (max) | | A | 7.2 | 8.9 | 14.1 | 15.4 | 15.6 | | | | |
| Operating Current (max) A 0.044 0.044 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.012 0.014 </th <th></th> <th>Input</th> <th>Rated</th> <th>kW</th> <th>0.041</th> <th>0.044</th> <th>0.072</th> <th>0.078</th> <th>0.095</th> | | Input | Rated | kW | 0.041 | 0.044 | 0.072 | 0.078 | 0.095 | | | | |
| Weight <panel> kg 18.5 22.5 22.5 25.5 2 Air Volume [Lo-Mid-Hi] m³min 5.5 - 7 · 9 7 · 9 · 11 10 · 12.5 - 15 12 · 15 · 18 12 · . External Static Pressure** Pa <0>/25 / 40> / 60> <0> / 25 / 40> / 60> <</panel> | Unit | Operating Current (m | nax) | Α | 0.44 | 0.44 | 0.61 | 0.64 | 0.76 | | | | |
| Air Volume [Lo-Mid-Hi] m ² min 5.5 - 7 · 9 7 · 9 · 11 10 · 12.5 · 15 12 · 15 · 18 12 · External Static Pressure*8 Pa <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> / 60> <0>/25 / <40> | | Dimensions <panel>*6 *7</panel> | $H \times W \times D$ | mm | 615 (690) - 797 (700) - 200 | 615 (690) - 997 (900) - 200 | 615 (690) - 997 (900) - 200 | 615 (690) - 1197 (1100) - 200 | 615 (690) - 1197 (1100) - 200 | | | | |
| External Static Pressure* ⁸ Pa | | Weight <panel></panel> | | kg | 18.5 | 22.5 | 22.5 | 25.5 | 25.5 | | | | |
| Sound Level (SPL)* ⁹ [Lo-Mid-Hi] dB(A) 25 - 29 - 35 25 - 29 - 33 30 - 35 - 39 880 - 80 - 80 30 - 35 - 39 30 - 35 - 39 30 - 35 - 39 30 - 35 - 39 30 - 35 - 39 30 - 35 - 31 30 - 35 - 31 30 - 35 - 31 < | | Air Volume [Lo-Mid-H | li] | m³/min | 5.5 - 7 - 9 | 7 - 9 - 11 | 10 - 12.5 - 15 | 12 - 15 - 18 | 12 - 16 - 20 | | | | |
| Sound Level (PWL) dB(A) 54 53 59 59 Outdoor Unit Dimensions H × W × D mm 550 - 800 - 285 550 - 800 - 285 714 - 800 - 285 880 - 840 - 330 880 - 80 Weight kg 30 35 41 54 55 Air Volume Cooling m ³ min 36.3 34.3 45.8 50.1 55 Sound Level (SPL) Cooling dB(A) 45 48 48 49 50 Meating dB(A) 46 48 49 51 55 Sound Level (PWL) Cooling dB(A) 46 48 49 51 Feating dB(A) 59 59 64 65 55 Operating Current (max) A 6.8 8.5 13.5 14.8 1 Breaker Size A 10 10 20 20 50 | | External Static Press | ure ^{*8} | Pa | <0> / 25 / <40> / <60> | <0> / 25 / <40> / <60> | <0> / 25 / <40> / <60> | <0> / 25 / <40> / <60> | <0> / 25 / <40> / <60> | | | | |
| Dutdoor Unit Dimensions H × W × D mm 550 - 800 - 285 550 - 800 - 285 714 - 800 - 285 880 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330 80 - 840 - 330< | | Sound Level (SPL)*9 | [Lo-Mid-Hi] | dB(A) | 25 - 29 - 35 | 25 - 29 - 33 | 30 - 35 - 39 | 30 - 35 - 39 | 30 - 36 - 42 | | | | |
| Unit Weight kg 30 35 41 54 Air Volume Cooling m³min 36.3 34.3 45.8 50.1 55 Air Volume Cooling m³min 34.6 32.7 43.7 50.1 55 Sound Level (SPL) Cooling dB(A) 46 48 49 51 Sound Level (PWL) Cooling dB(A) 59 59 64 65 Operating Current (mx) A 6.8 8.5 13.5 14.8 1 | | Sound Level (PWL) | | dB(A) | 54 | 53 | 59 | 59 | 61 | | | | |
| Num Kg 30 35 41 54 Air Volume Cooling m ³ min 36.3 34.3 45.8 50.1 55 Heating m ³ min 34.6 32.7 43.7 50.1 55 Sound Level (SPL) Cooling dB(A) 45 48 48 49 51 Heating dB(A) 59 59 64 65 55 Operating Current (max) A 6.8 8.5 13.5 14.8 1 | | Dimensions | $H \times W \times D$ | mm | 550 - 800 - 285 | 550 - 800 - 285 | 714 - 800 - 285 | 880 - 840 - 330 | 880 - 840 - 330 | | | | |
| Heating m ³ /min 34.6 32.7 43.7 50.1 55 Sound Level (SPL) Cooling dB(A) 45 48 48 49 51 Sound Level (SPL) Cooling dB(A) 45 48 49 51 50 Sound Level (PWL) Cooling dB(A) 59 59 64 65 50 Operating Current (max) A 6.8 8.5 13.5 14.8 1 Breaker Size A 10 10 20 20 20 | Unit | Weight | | kg | 30 | 35 | 41 | 54 | 55 | | | | |
| Sound Level (SPL) Cooling dB(A) 45 48 48 49 49 Heating dB(A) 46 48 49 51 50 Sound Level (PWL) Cooling dB(A) 59 59 64 65 Operating Current (max) A 6.8 8.5 13.5 14.8 1 Breaker Size A 10 10 20 20 20 | | Air Volume | Cooling | m³/min | 36.3 | 34.3 | 45.8 | 50.1 | 50.1 | | | | |
| Heating dB(A) 46 48 49 51 Sound Level (PWL) Cooling dB(A) 59 59 64 65 Operating Current (max) A 6.8 8.5 13.5 14.8 1 Breaker Size A 10 10 20 20 20 | | | Heating | m³/min | 34.6 | 32.7 | 43.7 | 50.1 | 50.1 | | | | |
| Sound Level (PWL) Cooling dB(A) 59 59 64 65 Operating Current (max) A 6.8 8.5 13.5 14.8 1 Breaker Size A 10 10 20 20 | | Sound Level (SPL) | Cooling | dB(A) | 45 | 48 | 48 | 49 | 49 | | | | |
| Operating Current (max) A 6.8 8.5 13.5 14.8 1 Breaker Size A 10 10 20 20 20 | | | Heating | dB(A) | 46 | 48 | 49 | 51 | 51 | | | | |
| Breaker Size A 10 10 20 20 | | Sound Level (PWL) | Cooling | dB(A) | 59 | 59 | 64 | 65 | 66 | | | | |
| | | Operating Current (max) A | | | 6.8 | | 13.5 | 14.8 | 14.8 | | | | |
| | | Breaker Size | | А | 10 | 10 | 20 | 20 | 20 | | | | |
| | Ext. | Diameter | Liquid / Gas | mm | 6.35 / 9.52 | 6.35 / 9.52 | 6.35 / 12.7 | 6.35 / 15.88 | 9.52 / 15.88 | | | | |
| Piping Max. Length Out-In m 20 20 30 30 | Piping | Max. Length | Out-In | m | 20 | 20 | 30 | 30 | 30 | | | | |
| Max. Height Out-In m 12 12 30 30 | | Max. Height | Out-In | m | 12 | 12 | 30 | 30 | 30 | | | | |
| Guaranteed Operating Range Cooling*3 °C -10 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 | | | Cooling*3 | | -10 ~ +46 | -10 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | | | | |
| | [Outdoo | r] | Heating | °C | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | | | | |

 Instruction
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CONTROL TECHNOLOGIES



2+1 Back-up rotation*

The use of a three-refrigerant air conditioning system enables you to utilize the back-up, rotation, and cut-in functions. This allows you to implement effective risk management for added peace of mind.

人的## 14:33 14:33 14:33 14:33 14:33

5 1

PAR-41MAA

#28.5°C \$0

(1)

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

Back-up Function

In the unlikely event that one of the units stops operation due to an abnormality, the standby unit immediately starts back-up operation. Being fully prepared for a failure guarantees that and operation is always available and gives you the confidence that your system will be reliable in any situation.

| Main-1 | Run | Abnormal condition |
|--------|------|--------------------|
| Main-2 | |)) Run ((|
| Sub | Stop | Run |

Rotation Function

A single remote controller is used to operate three-refrigerant air conditioning system in a rotation pattern. Reducing the burden on the equipment allows you to maintain a longer time between maintenance and increases product life.

| Main-1 | Run ((| Stop |)) Run ((|
|--------|--------|------|--------------|
| Main-2 | Run ((| Run | Stop |
| Sub | Stop | Run | Run ((|

Cut-in Function

If the actual room temperature greatly differs from the set temperature and two-refrigerant air conditioning system is insufficient, the standby unit starts operation to provide support.

| Main-1 | Run | 1 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | |
|--------|--|-----|---|--|
| Main-2 | Run | 22 | | |
| Sub | Stop | Run | Stop 22 | |
| | The standby unit starts operation if the actual temperature deviates significantly from the set temperature. | | | |



SERIES







SELECTION

Line-up includes a selection of eight indoor units and four series of outdoor units. Easily construct a system that best matches room air conditioning needs.

| R32 R410A INDOOR UNIT | | R32 OUTDOOR UNIT | |
|---|--|-------------------------------|-------------------|
| | | Power Inverter | Standard Inverter |
| 4-way ceiling-cassette PLA-ZM EA PLA-M EA | Wall-mounted PKA-M LA (L) PKA-M KA (L) | PUZ-ZM35/50 | SUZ-M35 |
| Ceiling-concealed PEAD-M | Ceiling-concealed PEA- M | PUZ-ZM60/71 | SUZ-M50 |
| Ceiling-suspended PCA-M | | PUZ-ZM100/125/140/ 200/250 | SUZ-M60/71 |
| Professional Kitchen PCA-M HA | Floor-standing PSA-M | 200/250 | PUZ-M100/125/140 |

* Some indoor units cannot be used with this unit.

<image><section-header>

Connectable Combinations for Inverter Units

| | Indoor Unit Capacity | | | |
|-----------------------|---|-----------------------------|--------------------------------|--|
| Outdoor Unit Capacity | Twin 50 : 50 | Triple 33 : 33 : 33 | Quadruple 25 : 25 : 25 : 25 | |
| 71 | 35 × 2 | _ | _ | |
| 100 | 50 × 2 | _ | - | |
| 125 | 60 × 2 | — | — | |
| 140 | 71 × 2 | 50 × 3 | _ | |
| 200 | 100 × 2 | 60 × 3 | 50 × 4 | |
| 250 | 125 × 2 | 71 × 3 | 60 × 4 | |
| Distribution Pipe | MSDD-50TR-E MSDD-50TR2-E2 MSDD-50TR2-E2 MSDD-50WR2-E | MSDT-111R-E MSDT-111R3-E | MSDF-1111R-E MSDF-1111R2-E | |

Note: The distribution pipe listed is required for simultaneous multi-systems.

Power Inverter SERIES

Our Eco-conscious Power Inverter Series is designed to achieve industry-leading seasonal chergy-efficiency throught use of New R32 refrigerant and advanced technologies.



SEER

PUZ-ZM





PUZ-ZM35/50VKA2

PUZ-ZM60/71VHA2

SEER 6.1

R32

PUZ-ZM100/125/140V(Y)KA2 PUZ-ZM200/250YKA2

60V

76

71V

76

50V

75

35V

Industry-leading energy efficiency

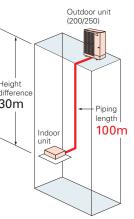
Introduction of R32 refrigerant realises improved cooling efficiency. Rating of more than 7.0 achieved for all capacity range.

Introduction of R32 refrigerant reduces energy consumption and realises energy savings.

Longer piping (60/71/100/125/140/200/250)

Longer piping length realised for 60, 71, 100, 125, 140, 200 and 250 classes, widely increasing installation flexibility.

| | Piping Length | н |
|-------------|---------------|---------|
| | R32 PUZ-ZM | di 3 |
| 35/50 | 50m | |
| 60/71 | 55m | |
| 100/125/140 | 100m | |
| 200/250 | 100m | |

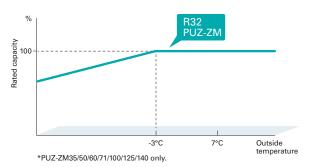


Rated heating capacity maintained down to -3°C*

100V

Rated heating capacity maintained even when the outside temperature is down to -3° C. Stay warm even at times of cold weather.

100Y



2+1 Back-up rotation*

The use of a three-refrigerant air conditioning system enables you to utilize the back-up, rotation, and cut-in functions. This allows you to implement effective risk management for added peace of mind.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

Back-up Function

In the unlikely event that one of the units stops operation due to an abnormality, the standby unit immediately starts back-up operation. Being fully prepared for a failure guarantees that and operation is always available and gives you the confidence that your system will be reliable in any situation.

| Main-1 | Run ((| Abnormal condition |
|--------|--------|--------------------|
| Main-2 | Run () | Run |
| Sub | Stop | Run |

Rotation Function

A single remote controller is used to operate three-refrigerant air conditioning system in a rotation pattern. Reducing the burden on the equipment allows you to maintain a longer time between maintenance and increases product life.

| Main-1 | Run ((| Stop | Run |
|--------|--------|------|--------------|
| Main-2 | Run () | Run | Stop |
| Sub | Stop | Run |)) Run ((|

Cut-in Function

If the actual room temperature greatly differs from the set temperature and two-refrigerant air conditioning system is insufficient, the standby unit starts operation to provide support.

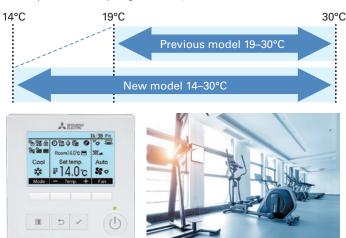


The standby unit starts operation if the actual temperature deviates significantly from the set temperature.

Extended cooling set temperature range*

In environments such as gyms where people do strenuous exercise, even if the room is cooled to an appropriate temperature, people may feel that it is hot, and they need a cooler air. To satisfy such demands, we have extended the lower limit of the cooling set temperature range from 19-30°C. to 14-30°C.

*Insulation kit (PAC-SK36HK-E) is required when indoor unit is PLA series. *Availability of this function is depending on outdoor unit, indoor unit and remote controller.



Display of model names and serial numbers*

The model names and serial numbers of the indoor/outdoor units that are connected to the MA smart remote controller can be automatically acquired and displayed through one simple operation. This eliminates the need to directly check each unit and helps with inquiries in the case of an abnormality.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

| Model name | Collect model names and S/N |
|---------------------------------------|---|
| display | 0 OU PUZ-ZM200YKA2 |
| (example) | IU1 PLA-ZM50EA2 |
| | IU2 PLA-ZM50EA2 |
| | IU3 PLA-ZM50EA2 IU4 PLA-ZM50EA2 |
| | |
| | Collect data: ✓ —Address + S/N |
| | -Aduress + 3/N |
| | |
| Serial number | Collect model names and S/N |
| | Collect model names and S/N Ø OU 1ZU00001 |
| display | 0 OU 1ZU00001 IU1 1ZA00001 |
| display | 0 OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 |
| Serial number display (example) | © OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 |
| display | 0 OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 IU4 1ZA00004 |
| display | © OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 |

Preliminary error history*

In addition to error history, the history of preliminary abnormalities can be displayed. The feature enables the unit status check during inspection and maintenance.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

Error history (Sample)

| Error history (Sample) | | Preliminary error history (Sample) |
|------------------------|-------------------------|--|
| | Error history 1/4 | Preliminary error hist. |
| | Error Unt# dd/mm/yy | Error Unt# dd/mm/yy |
| | E0 0-1 21/10/20 PM12:34 | E0 0-1 21/10/20 PM12 |
| | E0 0-1 20/12/20 AM 1:23 | E0 0-1 20/12/20 AM 1 |
| | E0 0-1 20/11/20 PM10:55 | E0 0-1 20/11/20 PM10 |
| | E0 0-1 20/10/20 PM12:01 | E0 0-1 20/10/20 PM12 |
| | Error history menu: 🔊 | Error history menu: 🔊 |
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| Preli | minary | / error hist. 1/8 |
|-------|--------|-------------------|
| Error | | dd/mm/yy |
| E0 | | 21/10/20 PM12:34 |
| E0 | | 20/12/20 AM 1:23 |
| E0 | | 20/11/20 PM10:55 |
| E0 | 0-1 | 20/10/20 PM12:01 |

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Display of power consumption*

It is possible to measure, acquire, and display the amount of energy used by each air conditioning system.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

< Data Collection Period >

Time data: Every 30 minutes over the past month Monthly/daily data: Monthly over the past 14 months

Every 30 minutes (example)

| Energy data | | | | |
|---------------|---------------|--|--|--|
| 2019- 1-1 | 1234.5kWh 1/6 | | | |
| 0:30 123.4kWh | 2:30 123.4kWh | | | |
| 1:00 123.4kWh | 3:00 123.4kWh | | | |
| 1:30 123.4kWh | 3:30 123.4kWh | | | |
| 2:00 123.4kWh | 4:00 123.4kWh | | | |
| Return: 🔊 | | | | |
| — Date + | 🔻 Page 🔺 | | | |

Daily (example)

| Energy data | | | | | |
|-------------|--------|-----|--------|-------|------|
| 2019 | - 1 | 1 | 23456. | 7kWh | 1/4 |
| 31 | 1234.5 | kWh | 27 | 1234. | 5kWh |
| 30 | 1234.5 | kWh | 26 | 1234. | 5kWh |
| 29 | 1234.5 | kWh | 25 | 1234. | 5kWh |
| 28 | 1234.5 | kWh | 24 | 1234. | 5kWh |
| Retu | m: 🔊 👘 | | | | |
| | Page | | | | |

Energy consumption values are calculated from estimated power consumption values according to the operating conditions. They may vary from the actual power consumption values values. Please note that the power consumption of optional parts is not included except in the case of optional parts that have their power supplied directly by the outdoor unit.

| Monthly (example) | | | | |
|---------------------------------------|-------------|-----|--|--|
| Ene | ergy data | | | |
| ▶2019-1 | 123456.7kWh | 1/3 | | |
| 2018-12 | 123456.7kWh | | | |
| 2018-11 | 123456.7kWh | | | |
| 2018-10 | 123456.7kWh | | | |
| 2018- 9 | 123456.7kWh | | | |
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Ensuring defrosting

Improved defrosting performance*

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

Avoiding Simultaneous Defrosting

When each of multiple units is in operation for heating in the same space, these may start defrosting at the same time, resulting in a drop in the room temperature. Therefore, we have developed a new function that controls up to four-refrigerant air conditioning system to avoid simultaneous defrosting. By ensuring that defrosting is only performed by one unit at a time, it is possible to minimize any decrease in room temperature.

A Heating Defrosting

Example System Configuration

Four sets controlled by a single remote controller

Defrosting When People Are Absent

The use of the 3D i-see sensor allows a more comfortable defrosting schedule. After a large amount of frost has built up, the system will switch to defrosting when the 3D i-see sensor detects that no people are present. By minimizing defrosting while people are in the room, there is a much lower chance of a temperature drop while the room is occupied.



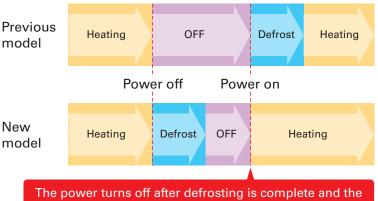
* Only compatible with 4-way cassette and 2x2 cassette models with an attached 3D i-see sensor panel. Even though people are present in the room, the defrosting process may start if all defrosting conditions are met.

| B Heating | Defrosting Heating | is only performed by one unit at a time |
|------------------|--------------------|--|
| C Heating | Defrosting Heating | allows you to minimize decreases |
| D Heating | Defrosting H | in room temperature! |

Defrosting When Operation is Stopped

When All Sets Are Controlled Together

It takes a long time to start operation if there is an excess build-up of frost. Therefore, each unit is equipped with a control system where defrosting is performed immediately after operation is stopped when there is a large amount of frost. This allows heating to be quickly started the next day.



Easier M-NET Adapter Installation

The optional M-NET adapter, which allows centralized control (M-NET control), is now easier to install. The redesigned mounting position significantly reduces the time and effort for installation.

M-NET adapter mounting position Conventional Model New Model M-NET adapter mounting position (1)(1) PAC-SJ96MA-E PAC-SK15MA-E (2) Removed parts Removed parts (3)The (1) top panel, (2) front panel, There is no need to remove the (3) service panel, and (4) electron-(1) top panel, (2) service panel, ics box need to be removed, and (3) service plate, electronics the connector must be temporarily box, nor temporarily unplug the unplugged. connector.

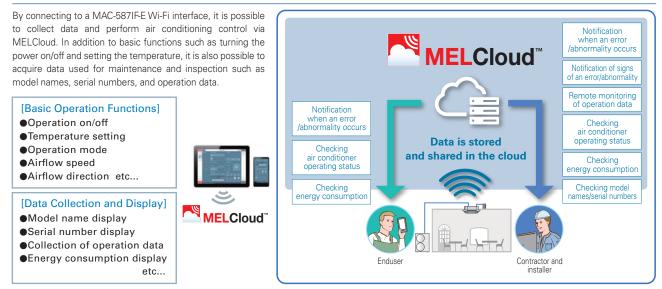
Improved chargeless piping length ZM100/125/140

PUZ-ZM100/125/140V(Y)KA used to have a chargeless pipe length of 30 m. However, starting with the V(Y)KA2 model, this has been extended to 40 m. This allows it to be used for a wider range of applications without the need for additional charging of refrigerant.

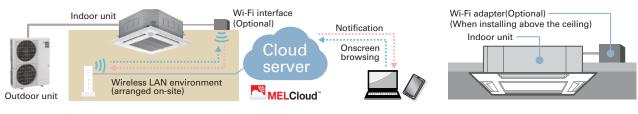
| | Maximum piping length | Chargeless piping length | | | Maximum piping length | Chargeless piping length |
|-------------------|--------------------------|-----------------------------|---------------|--------------------|--------------------------|-----------------------------|
| PUZ-ZM 100V (Y)KA | 100m | 30m | \rightarrow | PUZ-ZM 100V (Y)KA2 | 100m | 40m |
| PUZ-ZM 125V (Y)KA | 100m | 30m | \rightarrow | PUZ-ZM 125V (Y)KA2 | 100m | 40m |
| PUZ-ZM 140V (Y)KA | 100m | 30m | \rightarrow | PUZ-ZM 140V (Y)KA2 | 100m | 40m |

Utilizing IoT for Improved Convenience*

*Availability of IoT functions are depending on MELCloud version.



MELCloud System Configuration



On-Site Installation and Configuration

•Wireless LAN adapter installation Connect the wireless LAN adapter to the indoor unit PCB and install it above the ceiling.

Wireless LAN adapter and router connection settings

Wi-Fi Adapter (Optional) Installation

OWireless LAN adapter and

server connection settings

74

Collection of operation data

All the operation data required for maintenance and inspection can be collected in a simple step. This data can then be easily checked via MELcloud. This makes it easy to check the operating status data even in cases when it is difficult to do a visual inspection. This allows you to quickly identify any system malfunctions. This function also helps to improve the quality of installation work and shortening the time required for maintenance and inspection.

Operation data that can be collected (example)

- Compressor frequency
 Compressor operating current
 Outdoor discharge temperature
- •Outdoor heat exchanger temperature •Outdoor air temperature •Compressor shell temperature
- •Sub cool •Discharge superheat •Indoor inlet temperature •Indoor heat exchanger temperature
- ●Total compressor operating time●Compressor operation count ●Indoor filter operating time

*1The total compressor operating time is displayed in units of 10 hours. The compressor operation count is displayed in units of 100. *2 Indicates the elapsed time since a filter sign reset was performed.

Demand control

It is possible to control air-conditioners to appropriately operate according to the energy supply-demand adjustment by electric power companies and each electricity rate plan of end users.

e.g. <Peak cut control> It is possible to utilize an external demand signal to reduce power consumption during peak hours. By satisfying the need for reducing peak power consumption or shifting consumption to a non-peak period, we have increased the range of options for our customers.

Notification of potential abnormality

The comprehensive analysis of operating data allows the early detection of abnormalities in small functional parts by alerting the operator of any signs of abnormal behaviour. The recognition in advance of abnormalities in each unit further improves the ease of servicing and maintenance. Since this allows a countermeasure to be implemented before the abnormality requires the unit to be completely shut down, it is an effective method for maintaining the unit in its optimum condition.

[AbnormalitiesThat HaveTheir Signs Monitored]

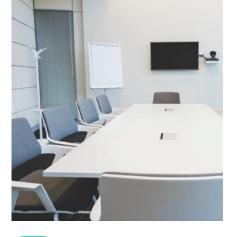
Filter blockage
Drain blockage
Refrigerant leakage
Heat exchanger blockage etc...



data is strange ..

Standard Inverter SERIES

Our Standard Series become light and compact with greater energy-saving performance.





SUZ-M35VA

SEER 6

35V





SUZ-M50VA

Introduction of new R32 refrigerant realises improved cooling effi-

ciency. Rating of more than 6.6 achieved for all capacity range.

Improved energy efficiency



SEER

SUZ-M PUZ-M

100Y





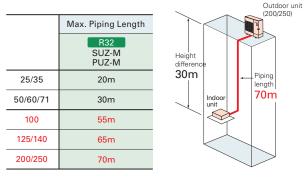
SUZ-M60/71VA

PUZ-M100/125/140V(Y)KA2

2 PUZ-M200/250YKA2

Longer piping (100/125/140/200/250)

Longer piping length realised for 100, 125, 140, 200 and 250 classes, widely increasing installation flexibility.



Light weight and compact size

60V

71V

50V

Compact design fits into narrow outdoor unit space of condominiums and offices. Light weight design facilitates easy installation.



SUZ-KA50VA6 Height 880mm Weight 54kg

100V

*Specifications are figures when PLA-RP/M is connected



SUZ-M50VA Height 714mm 18% reduction

41kg

24% reduction







PUZ-M140YKA2



Easy transportation and installation

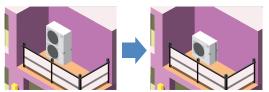




Transport efficiency improves thanks to its low height. The unit can even be transported by minivan.

Weight 101kg

Unobstructive, compact, and easy to hide from view Conventional outdoor units may spoil the view. Due to its compact size, the new model can be installed in locations that previous model is not suitable.



2+1 Back-up rotation*

The use of a three-refrigerant air conditioning system enables you to utilize the back-up, rotation, and cut-in functions. This allows you to implement effective risk management for added peace of mind.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

Back-up Function

In the unlikely event that one of the units stops operation due to an abnormality, the standby unit immediately starts back-up operation. Being fully prepared for a failure guarantees that and operation is always available and gives you the confidence that your system will be reliable in any situation.

| Main-1 | Run ((| Abnormal condition |
|--------|--------|--------------------|
| Main-2 | Run | Run |
| Sub | Stop | Run ((|

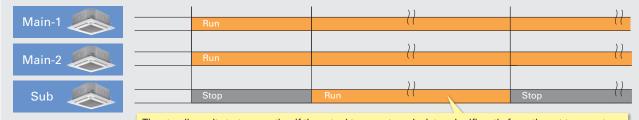
Rotation Function

A single remote controller is used to operate three-refrigerant air conditioning system in a rotation pattern. Reducing the burden on the equipment allows you to maintain a longer time between maintenance and increases product life.

| Main-1 | Run ((| Stop |)) Run ((|
|--------|--------|------|--------------|
| Main-2 | Run ((| Run | Stop |
| Sub | Stop | Run |)) Run ((|

Cut-in Function

If the actual room temperature greatly differs from the set temperature and two-refrigerant air conditioning system is insufficient, the standby unit starts operation to provide support.

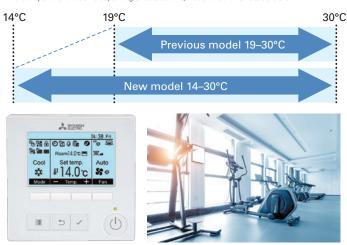


The standby unit starts operation if the actual temperature deviates significantly from the set temperature.

Extended cooling set temperature range*

In environments such as gyms where people do strenuous exercise, even if the room is cooled to an appropriate temperature, people may feel that it is hot, and they need a cooler air. To satisfy such demands, we have extended the lower limit of the cooling set temperature range from 19–30°C. to 14–30°C.

*Insulation kit (PAC-SK36HK-E) is required when indoor unit is PLA series. *Availability of this function is depending on outdoor unit, indoor unit and remote controller.



Display of model names and serial numbers*

The model names and serial numbers of the indoor/outdoor units that are connected to the MA smart remote controller can be automatically acquired and displayed through one simple operation. This eliminates the need to directly check each unit and helps with inquiries in the case of an abnormality.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

| Model name | Collect model names and S/N |
|--------------------------|---|
| display | 0 OU PUZ-ZM200YKA2 |
| (example) | IU1 PLA-ZM50EA2 |
| () | TU2 PLA-ZM50EA2 |
| | IU3 PLA-ZM50EA2 |
| | IU4 PLA-ZM50EA2 |
| | Collect data: 🗸 |
| | —Address + S/N |
| | |
| Serial number | Collect model names and S/N |
| Serial number display | Collect model names and S/N 0 OU 12000001 |
| display | |
| | 0 OU 1ZU00001 |
| display | 0 U 1ZU00001 IU1 1ZA00001 |
| display | 0 OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 |
| display | © OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 |
| display | 0 OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 IU4 1ZA00004 |

Preliminary error history*

In addition to error history, the history of preliminary abnormalities can be displayed. The feature enables the unit status check during inspection and maintenance.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

•Error history (Sample)

| | , . | • • | |
|-----------|-------|----------|---------|
| | Error | history | 1/4 |
| Error | Unt# | dd/mm/yy | |
| E0 | 0-1 | 21/10/20 | PM12:34 |
| EØ | 0-1 | 20/12/20 | AM 1:23 |
| E0 | | 20/11/20 | |
| E0 | 0-1 | 20/10/20 | PM12:01 |
| Error hi | story | menu: 🔊 | |
| 🛛 💙 🛛 Pag | e 🔺 | | Delete |

Preliminary error history (Sample)

| , , (, - , - , - , - , |
|-----------------------------|
| Preliminary error hist. 1/8 |
| Error Unt# dd/mm/yy |
| E0 0-1 21/10/20 PM12:34 |
| E0 0-1 20/12/20 AM 1:23 |
| E0 0-1 20/11/20 PM10:55 |
| E0 0-1 20/10/20 PM12:01 |
| Error history menu: 🔊 |
| ▼ Page ▲ Delete |

Display of power consumption*

It is possible to measure, acquire, and display the amount of energy used by each air conditioning system.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller

< Data Collection Period >

Time data: Every 30 minutes over the past month Monthly/daily data: Monthly over the past 14 months

•Every 30 minutes (example)

| / | |
|---------------|---------------|
| Energy | / data |
| 2019- 1-1 | 1234.5kWh 1/6 |
| 0:30 123.4kWh | 2:30 123.4kWh |
| 1:00 123.4kWh | 3:00 123.4kWh |
| 1:30-123.4kWh | 3:30 123.4kWh |
| 2:00 123.4kWh | 4:00 123.4kWh |
| Return: 🕉 | |
| – Date + | 🛛 🔻 🖌 🖌 |

| Daily (e) | example) |
|-----------|----------|
|-----------|----------|

| Dany | •Daily (example) | | | | | | | | | | | |
|------|------------------|------|------|-------|------|--|--|--|--|--|--|--|
| | Energy data | | | | | | | | | | | |
| 2019 | - 1 | 123 | 456. | 7kWh | 1/4 | | | | | | | |
| 31 | 1234. 5k | Wh | 27 | 1234. | 5kWh | | | | | | | |
| - 30 | 1234. 5k | Wh 📔 | 26 | 1234. | 5kWh | | | | | | | |
| - 29 | 1234. 5k | Wh 📔 | 25 | 1234. | 5kWh | | | | | | | |
| - 28 | 1234. 5k | Wh 📔 | 24 | 1234. | 5kWh | | | | | | | |
| Retu | m: 🔊 👘 | | | | | | | | | | | |
| | Page 🖌 | | | | | | | | | | | |

Energy consumption values are calculated from estimated power consumption values according to the operating conditions. They may vary from the actual power consumption values. Please note that the power consumption of optional parts is not included except in the case of optional parts that have their power supplied directly by the outdoor unit.

| Monthly (exan | nple) | |
|-----------------------------------|-------------|-----|
| En | ergy data | |
| ▶2019-1 | 123456.7kWh | 1/3 |
| 2018-12 | 123456.7kWh | |
| 2018-11 | 123456.7kWh | |
| 2018-10 | 123456.7kWh | |
| 2018- 9 | 123456.7kWh | |
| View daily d | lata: 🗸 | |
| 🛛 🛡 Cursor 🖌 | | |

Improved defrosting performance*

*Availability of this function is depending on outdoor unit, indoor unit and remote controller.

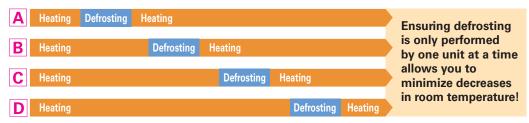
Avoiding Simultaneous Defrosting

When each of multiple units is in operation for heating in the same space, these may start defrosting at the same time, resulting in a drop in the room temperature. Therefore, we have developed a new function that controls up to four-refrigerant air conditioning system to avoid simultaneous defrosting. By ensuring that defrosting is only performed by one unit at a time, it is possible to minimize any decrease in room temperature.

Example System Configuration Four sets controlled by a single remote controller



When All Sets Are Controlled Together



Utilizing IoT for Improved Convenience*

*Availability of IoT functions are depending on MELCloud version.

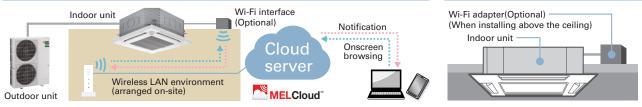
By connecting to a MAC-587IF-E Wi-Fi interface, it is possible to collect data and perform air conditioning control via MELCloud. In addition to basic functions such as turning the power on/off and setting the temperature, it is also possible to acquire data used for maintenance and inspection such as model names, serial numbers, and operation data.

[Basic Operation Functions] ●Operation on/off ●Temperature setting •Operation mode •Airflow speed •Airflow direction etc... [Data Collection and Display]

- Model name display Serial number display
- Collection of operation data
- Energy consumption display etc...

Notification when an error normality occurs Notification of signs of an error/abnormality Remote monitoring of operation data Notification when an error abnormality occu Checking air conditioner Data is stored rating status Checking air conditioner operating statu and shared in the cloud Checking ergy consumption Checking energy consumptior Checking model Contractor and

MELCloud System Configuration



MELCloud[®]

On-Site Installation and Configuration

Wireless LAN adapter installation Connect the wireless LAN adapter to the indoor unit PCB and install it above the ceiling

OWireless LAN adapter and router connection settings

Wi-Fi Adapter (Optional) Installation



This operation data is strange.

Collection of operation data

All the operation data required for maintenance and inspection can be collected in a simple step. This data can then be easily checked via MELcloud. This makes it easy to check the operating status data even in cases when it is difficult to do a visual inspection. This allows you to quickly identify any system malfunctions. This function also helps to improve the quality of installation work and shortening the time required for maintenance and inspection.

Operation data that can be collected (example)

- ●Compressor frequency ●Compressor operating current ●Outdoor discharge temperature
- ●Outdoor heat exchanger temperature ●Outdoor air temperature ●Compressor shell temperature
- •Sub cool •Discharge superheat •Indoor inlet temperature •Indoor heat exchanger temperature
- ●Total compressor operating time●Compressor operation count ●Indoor filter operating time

*1 The total compressor operating time is displayed in units of 10 hours. The compressor operation count is displayed in units of 100. *2 Indicates the elapsed time since a filter sign reset was performed. e a filter sign reset was perfo ates the elapsed time sind

Demand control

It is possible to control air-conditioners to appropriately operate according to the energy supply-demand adjustment by electric power companies and each electricity rate plan of end users.

e.g. <Peak cut control> It is possible to utilize an external demand signal to reduce power consumption during peak hours. By satisfying the need for reducing peak power consumption or shifting consumption to a non-peak period, we have increased the range of options for our customers.

Notification of potential abnormality

The comprehensive analysis of operating data allows the early detection of abnormalities in small functional parts by alerting the operator of any signs of abnormal behaviour. The recognition in advance of abnormalities in each unit further improves the ease of servicing and maintenance. Since this allows a countermeasure to be implemented before the abnormality requires the unit to be completely shut down, it is an effective method for maintaining the unit in its optimum condition.

[Abnormalities That Have Their Signs Monitored] ●Filter blockage ●Drain blockage ●Refrigerant leakage •Heat exchanger blockage etc...

Notification of potential abnormality Detects any signs of

abnormalities caused by external factors or the surrounding environment.

<example>

MELCloud[®]

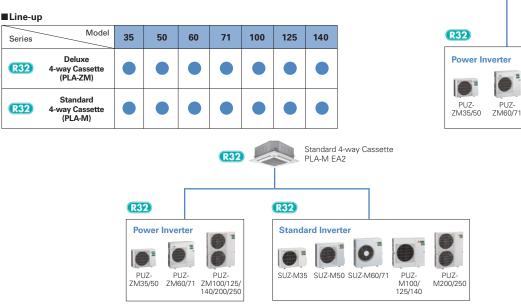
This device may stop operation due to drain blockage. Would you like to perform maintenance before it is too late?





Deluxe 4-way Cassette Line-up

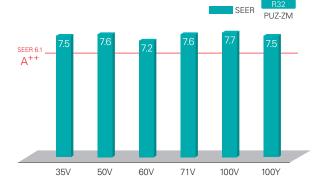
For users seeking even further energy savings, Mitsubishi Electric now offers deluxe units (PLA-ZM) to complete the line-up of models in this series, from 35-140. Compared to the standard models (PLA-M), deluxe models provide additional energy savings, contributing to a significant reduction in electricity costs.



Industry-leading energy efficiency

realises energy savings.

Introduction of R32 refrigerant realises improved cooling efficiency. Rating of more than 7.0 achieved for all capacity range. Introduction of R32 refrigerant reduces energy consumption and



Horizontal Airflow

The new airflow control removes that uncomfortable drafty feeling with the introduction of a horizontal airflow that spreads across the

ceiling. The ideal airflow for offices and restaurants.

[Horizontal airflow]

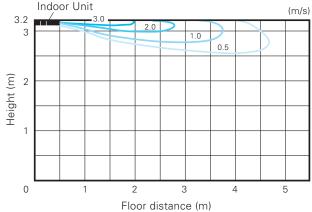
Ceiling height: 3.2m Mode: Cooling

Model name: PLA-ZM140EA2

(m/s)

PUZ-

ZM100/125/ 140/200/250



Indoor/Outdoor Unit Combinations Deluxe 4-way Cassette PLA-ZM EA2

R32

Automatic Grille Lowering Function (PLP-6EAJ, PLP-6EAJE)*

An automatic grille lowering function is available for easy filter maintenance. Special wired and wireless remote controllers can be used to lower the intake grille for maintenance. *Auto elevation panel(PLP-6EAJ, PLP-6EAJE) cannot be used with Plasma Quad Connect(PAC-SK51FT-E) and Insulation kit (PAC-SK36HK-E).







Grille Elevation Remote Controller (comes with the automatic elevation panel)

Wired Remote Controller







Easy Installation

Electrical box wiring

After reviewing the power supply terminal position in the electrical box, the structure was redesigned to improve connectivity. This has made previously complex wiring work easier.

evious model (B Series)



Increased space for plumbing work

The top and bottom positions of the liquid and gas pipes have been reversed to allow the gas pipe work, which requires more effort, to be completed first. Further, through structural innovations related to the space around the pipes, the area where the spanner can be moved has been increased, thus improving liquid pipe work and enabling it to be completed smoothly.



Temporary hanging hook

The structure of the panel has been revised and is now equipped with a temporary hanging hook. This has improved work efficiency during panel installation.



No need to remove screws

Installation is possible without removing the screws for the corner panel and the control box, simply loosen them. This lowers the risk of losing screws.

Corner panel

Control box cover





Lightweight decorative panel

After reviewing the structure and materials,

weight has been reduced approximately 20%

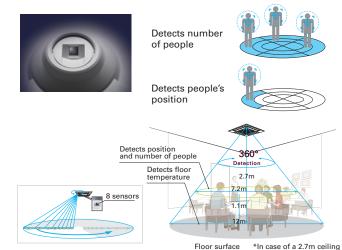
3D i-see Sensor for S & P SERIES

Detects number of people

3D i-see Sensor detects the number of people in the room and sets the air-conditioning power accordingly. This makes automatic power-saving operation possible in places where the number of people entering and exiting is large. Additionally, when the area is continuously unoccupied, the system switches to a more enhanced power-saving mode. Depending on the setting, it will save additional capacity or stop operation altogether.

Detects people's position

Once the position of a person is detected, the duct angle of the vane is automatically adjusted in that direction. Each vane can be independently set to "block wind" or "not block wind" according to taste.



Detects number of people (3D i-see Sensor)

Room occupancy energy-saving mode

The 3D i-see Sensor detects the number of people in the room. It then calculates the occupancy rate based on the maximum number of people in the room up to that point in time in order to save air-conditioning power. When the occupancy rate is approximately 30%, air-conditioning power equivalent to 1°C during both cooling and heating operation is saved. The temperature is controlled according to the number of people.

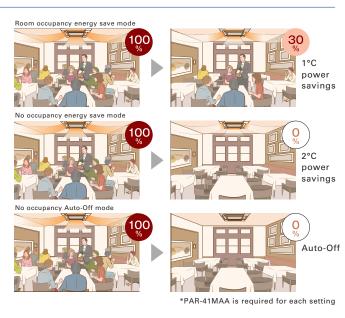
No occupancy energy-saving mode

When 3D i-see Sensor detects that no one is in the room, the system is switched to a pre-set power-saving mode. If the room remains unoccupied for more than 60min, air-conditioning power equivalent to 2°C during both cooling and heating operation is saved. This contributes to preventing waste in terms of heating and cooling.

No occupancy Auto-OFF mode*

When the room remains unoccupied for a pre-set period of time, the air conditioner turns off automatically, thereby providing even greater power savings. The time until operation is stopped can be set in intervals of 10min, ranging from 60 to 180 min.

* When MA Remote Controller is used to control multiple refrigerant systems, "No occupancy Auto-OFF mode" cannot be used.



Detects people's position (3D i-see Sensor)

Direct/Indirect settings*

Some people do not like the feel of wind, some want to be warm from head to toe. People's likes and dislikes vary. With the 3D i-see Sensor, it is possible to choose to block or not block to the wind for each vane.



*PAR-41MAA or PAR-SL101A-E is required for each setting.

Seasonal airflow*

<When cooling>

Saves energy while keeping a comfortable effective temperature by automatically switching between ventilation and cooling. When a pre-set temperature is reached, the air conditioning unit switches to swing fan operation to maintain the effective temperature. This clever function contributes to keeping a comfortable coolness.

<When heating>

The air conditioning unit automatically switches between circulator and heating. Wasted heat that accumulates near the ceiling is reused via circulation. When a pre-set temperature is reached the air conditioner switches from heating to circulator and blows air in the horizontal direction. It pushes down the warm air that has gathered near the ceiling to people's height, thereby providing smart heating.

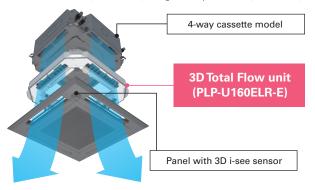


*PAR-41MAA is required for each setting.

3DTotal Flow*

3D Total Flow is an innovative function. Our original 3D i-see sensor detects the temperature of the floor, and then the newly installed 3D Total Flow unit automatically controls the airflow in the left/right directions in a smart manner.

*3D Total Flow unit(PLP-U160ELR-E) cannot be used with Plasma Quad Connect(PAC-SK51FT-E), Insulation kit(PAC-SK36HK-E), Shutter Plate(PAC-SJ37SP-E), Multi functional casement(PAC-SJ41TM-E) and High-efficiency filter element(PAC-SH59KF-E)



Horizontal louver (3D Total Flow)

In addition to the ability of conventional models to control airflow in the vertical direction, the adoption of a horizontal louver unit allows each outlet to blow air over a horizontal angle of 90 degrees. The combination of four outlets delivers 360° airflow control around the entire circumference. This now makes it possible to blow air in diagonal directions which eliminates temperature irregularities.





Swinging

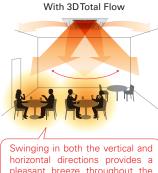
Since airflow can be controlled in the horizontal and vertical directions, you can efficiently make the entire room comfortable.

Horizontal, vertical, and diagonal airflow delivered to every corner

The combination of the vertical vanes with the horizontal louver unit makes it possible to direct airflow in any direction. This quickly makes the entire room comfortable, even when diagonal airflow is necessary



There are some areas that cannot receive air through vertical airflow control.



pleasant breeze throughout the room.

ê

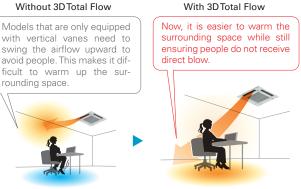
Indirect mode

When set to "Indirect" mode, the system detects the position of a person and maintains comfort while diverting airflow away from them.

Prevents direct airflow and keeps you comfortable

This function prevents people from being directly exposed to airflow while still ensuring comfort. The "Indirect" mode of 3D Total Flow keeps the downward airflow while avoiding direct blow to people, delivering a pleasant warmth.

Without 3D Total Flow



*If people are present throughout the entire airflow range of an outlet, the airflow is shifted horizontally to avoid direct airflow

When set to "Direct" mode, the system detects

the position and diverts airflow towards wherever

Direct mode

they are located.

is perfect for when you come back home on a hot day.

Delivers airflow even in diagonal directions

You can freely turn on "Direct" mode depending on personal prefereuce.

This allows for air conditioning in diagonal directions which was difficult

for models that could only swing the airflow up and down. This feature

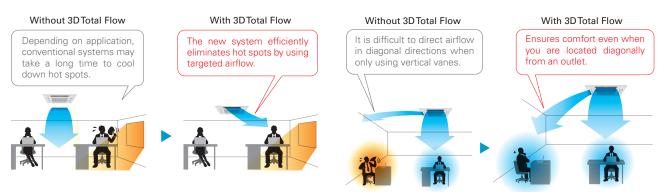


Targeting

The system can detect spaces with uneven temperatures and target them by sending air even if they are in a diagonal direction.

Detects and targets areas with uneven temperatures

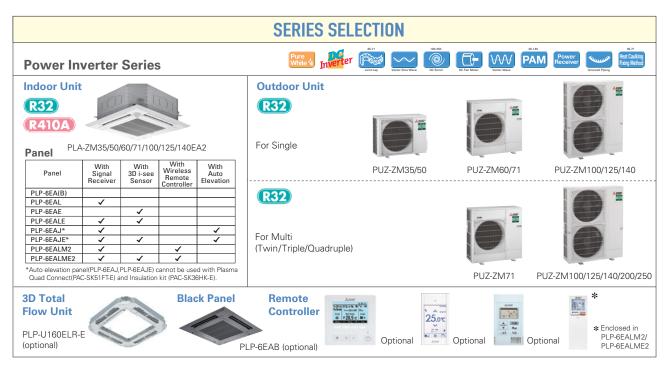
3D i-see sensor detects areas with uneven temperatures, even if they are caused by the installation orientation of the air conditioner or the influence of strong sunlight. Efficient air conditioning is possible thanks to the ability to send focused airflow to such areas, even those in a diagonal position.



Connectable to **Plasma Quad Connect**

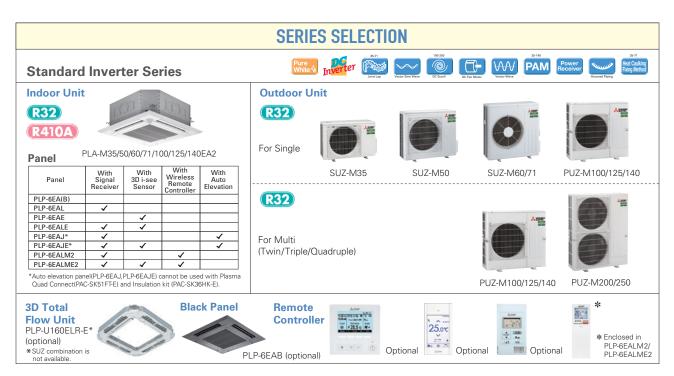
The optional Plasma Quad Connect PAC-SK51FT-E can be installed on the indoor units. *Plasma Quad Connect(PAC-SK51FTE) cannot be used with PLP-U160ELR-E(3D Total Flow unit), Insulation kit (PAC-SK36HK-E), Auto elevation panel(PLP-6EAJ, PLP-6EAJE), Multi functional casement(PAC-SJ41TM-E) and High-efficiency filter element(PAC-SH59KFE).





PLA-ZM EA2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | Outdoor Unit Capacity | | | | | | | | | | | | | | | | | | | |
|--------|-------------------|-----------------------|------|------|------|-------|-------|-------|-----|--|------|---------|------|------|-------|-------|--------------|------|------|---------------|------|
| Indoor | Unit Combination | For Single | | | | | | | | | | ForTwin | | | | | ForTriple | | | For Quadruple | |
| | | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Power | Inverter (PUZ-ZM) | 35x1 | 50x1 | 60x1 | 71x1 | 100x1 | 125x1 | 140x1 | - | - | 35x2 | 50x2 | 60x2 | 71x2 | 100x2 | 125x2 | 50x3 | 60x3 | 71x3 | 50x4 | 60x4 |
| | Distribution Pipe | - | - | - | _ | - | - | - | - | - MSDD-50TR2-E MSDD- 50WR2-E MSDT-111R3-E | | | | | | | SDF- R2-E | | | | |



PLA-M EA2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | Outdoor Unit Capacity | | | | | | | | | | | | | | | | | | | |
|--------|----------------------------|--|------|------|------|-------|-------|-------|-----|------|----|--------------|------|------|-------|-------|-----------|------|------|---------------|------|
| Indoor | Unit Combination | For Single | | | | | | | | | | ForTwin | | | | | ForTriple | | | For Quadruple | |
| | | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Standa | ard Inverter (SUZ & PUZ-M) | 35x1 | 50x1 | 60x1 | 71x1 | 100x1 | 125x1 | 140x1 | - | - | - | 50x2 | 60x2 | 71x2 | 100x2 | 125x2 | 50x3 | 60x3 | 71x3 | 50x4 | 60x4 |
| | Distribution Pipe | bution Pipe - - - - - - - MSDD-50TR2-E MSDD- 50WR2-E MSDT-111R3-E | | | | | | | | R3-E | | SDF- R2-E | | | | | | | | | |

| | | | ure hite Å | | | → | Check! | MNG High Ceilin | Low Ceiling | | | 120 5 | Low Temp Cooling | | | | |
|-------------------------|---|---|---------------------|---|---------------------------------|-----------------------------|-----------------------------|-----------------------------------|-------------------------------|--------------------|--------------------|----------------------------|-------------------------------|--|--|--|--|
| | 714 | Optional Optional | Titte w | Fresh-a | High-ellicien Optional | cy Long Life | Check! | | | | | AUTO Re | start | | | | |
| PLA- | ZM SERIES | 60-140V | | | | | | \sim – | | | | | | | | | |
| DOWER | NVERTER | | tation | Gro Cor | M-NE | ГСОМРО | Wi-Fi)) d | ening-free, Wiri ppe reuse Reu | ng Drain se Lift Up | Pump | Flare connection | Failu | re | | | | |
| TONLI | NYENTER | | ck-up | | 1LTOI connection | | Interface | | se | Down | | Self Reca | 4 | | | | |
| - | | | | | | | | | | | | | | | | | |
| Туре | | | | DI 4 71 4055 4 0 | DI 4 71 4505 4 0 | DI 4 71 4005 4 0 | DI A 71 474 5 4 0 | | leat Pump | DI 4 71 44055 40 | DI 4 714405540 | DI 1 71 11 105 10 | DI 4 71 44 405 40 | | | | |
| Indoor Uni Outdoor U | | | | PLA-ZM35EA2 PUZ-ZM35VKA2 | PLA-ZIVI50EA2 PUZ-ZIVI50VKA2 | PLA-ZM60EA2 PUZ-ZM60VHA2 | PLA-ZM71EA2 PUZ-ZM71VHA2 | | PLA-ZM100EA2 PUZ-ZM100YKA2 | PLA-ZM125EA2 | | PLA-ZM140EA2 | PLA-ZM140EA2 PUZ-ZM140YKA2 | | | | |
| Refrigeran | | | | PUZ-ZIVI35VKAZ | PUZ-ZIVI5UVKAZ | PUZ-ZIVIOUVHAZ | PUZ-ZIVI7 IVHAZ | PUZ-ZIVITUUVKAZ B | | PUZ-ZIVI I ZSVKAZ | PUZ-ZIVITZSTKAZ | PUZ-ZIVI14UVKAZ | PUZ-ZIVI14UYNAZ | | | | |
| Power | Source | | | | | | | | wer supply | | | | | | | | |
| Supply | Outdoor(V/Phase/Hz) | | | VKA·VHA:230/Single/50, YKA:400/Three/50 | | | | | | | | | | | | | |
| Cooling | Capacity | Rated | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | 12.5 | 12.5 | 13.4 | 13.4 | | | | |
| | | Min-Max | kW | 1.6 - 4.5 | 2.3 - 5.6 | 2.7 - 6.5 | 3.3 - 8.1 | 4.9 - 11.4 | 4.9 - 11.4 | 5.5 - 14.0 | 5.5 - 14.0 | 6.2 - 15.0 | 6.2 - 15.0 | | | | |
| | Total Input | Rated | kW | 0.705 | 1.106 | 1.452 | 1.651 | 2.159 | 2.159 | 3.378 | 3.378 | 3.722 | 3.722 | | | | |
| | EER | | | 5.10 | 4.52 | 4.20 | 4.30 | 4.40 | 4.40 | 3.70 | 3.70 | 3.60 | 3.60 | | | | |
| | Design load | | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | - | - | - | - | | | | |
| | Annual electricity consump | tion (*2) | kWh/a | 168 | 230 | 296 | 327 | 431 | 442 | - | - | - | - | | | | |
| | SEER (*4) | | | 7.5 | 7.6 | 7.2 | 7.6 | 7.7 | 7.5 | - | - | - | - | | | | |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ | - | - | - | - | | | | |
| Heating | Capacity | Rated | kW | 4.1 | 6.0 | 7.0 | 8.0 | 11.2 | 11.2 | 14.0 | 14.0 | 16.0 | 16.0 | | | | |
| | | Min-Max | kW | 1.6 - 5.2 | 2.5 - 7.3 | 2.8 - 8.2 | 3.5 - 10.2 | 4.5 - 14.0 | 4.5 - 14.0 | 5.0 - 16.0 | 5.0 - 16.0 | 5.7 - 18.0 | 5.7 - 18.0 | | | | |
| | Total Input | Rated | kW | 0.820 | 1.363 | 1.707 | 1.818 | 2.604 | 2.604 | 3.674 | 3.674 | 4.312 | 4.312 | | | | |
| | COP | | | 5.00 | 4.40 | 4.10 | 4.40 | 4.30 | 4.30 | 3.81 | 3.81 | 3.71 | 3.71 | | | | |
| | Design load | 1 | kW | 2.5 | 3.8 | 4.4 | 4.7 | 7.8 | 7.8 | - | - | - | - | | | | |
| | Declared Capacity | at reference design temperatur | | 2.5 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - | | | | |
| | | at bivalent temperature at operation limit temperature | kW kW | 2.5 (-10°C) 2.1 (-11°C) | 3.8 (-10°C) 3.7 (-11°C) | 4.4 (-10°C) 2.8 (-20°C) | 4.7 (-10°C) 3.4 (-20°C) | 7.8 (-10°C) 5.8 (-20°C) | 7.8 (-10°C) | - | - | - | - | | | | |
| | Back up heating capacity | lat operation limit temperature | kW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.8 (-20°C) 0.0 | | - | - | - | | | | |
| | Annual electricity consump | tion (*2) | kWh/a | 744 | 1086 | 1339 | 1371 | 2271 | 2272 | | _ | - | _ | | | | |
| | SCOP (*4) | | K V VII/G | 4.7 | 4.9 | 4.6 | 4.8 | 4.8 | 4.8 | | _ | - | | | | | |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ | | - | - | - | | | | |
| Operating | Current(Max) | | А | 13.2 | 13.2 | 19.2 | 19.3 | 20.5 | 8.5 | 27.0 | 9.5 | 30.7 | 12.5 | | | | |
| Indoor | Input [cooling / Heating] | Rated | kW | 0.03/0.03 | 0.03/0.03 | 0.03/0.03 | 0.05/0.05 | 0.07 / 0.07 | 0.07/0.07 | 0.08/0.08 | 0.08/0.08 | 0.10/0.10 | 0.10/0.10 | | | | |
| Unit | Operating Current(Max) | 1 | A | 0.21 | 0.22 | 0.22 | 0.34 | 0.47 | 0.47 | 0.52 | 0.52 | 0.66 | 0.66 | | | | |
| | Dimensions | H*W*D | mm | | 40-840 <40-950 | | | | | 0-840 <40-95 | | | | | | | |
| | Weight | | kg | 21 <5> | 21 <5> | 21 <5> | 24 <5> | 26 <5> | 26 <5> | 26 <5> | 26 <5> | 26 <5> | 26 <5> | | | | |
| | Air Volume (Lo-Mi2-Mi1-Hi) | | m ³ /min | 11-13-15-16 | 12-14-16-18 | 12-14-16-18 | 17-19-21-23 | 19-22-25-28 | 19-22-25-28 | 21-24-26-29 | 21-24-26-29 | 24-26-29-32 36-39-42-44 | 24-26-29-32 36-39-42-44 | | | | |
| | Sound Level (Lo-Mi2-Mi1-Hi) (S Sound Level (PWL) | SPL) | dB(A) dB(A) | 26-28-29-31 51 | 27-29-31-32 54 | 27-29-31-32 54 | 28-30-33-36 57 | 31-34-37-40 61 | 31-34-37-40 61 | 33-36-39-41 62 | 33-36-39-41 62 | 65 | 65 | | | | |
| Outdoor | Dimensions | H*W*D | mm | 630-809-300 | 630-809-300 | 943-950-330(+25) | | | 1338-1050-330(+40) | 1338-1050-330(+40) | 1338-1050-330(+40) | | | | | | |
| Unit | Weight | 11 11 10 | kg | 46 | 46 | 67 | 67 | 105 | 111 | 105 | 114 | 105 | 118 | | | | |
| 0 | Air Volume | Cooling | m ³ /min | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 | | | | |
| | | Heating | m ³ /min | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 | | | | |
| | Sound Level (SPL) | Cooling | dB(A) | 44 | 44 | 47 | 47 | 49 | 49 | 50 | 50 | 50 | 50 | | | | |
| | | Heating | dB(A) | 46 | 46 | 49 | 49 | 51 | 51 | 52 | 52 | 52 | 52 | | | | |
| | Sound Level (PWL) | Cooling | dB(A) | 65 | 65 | 67 | 67 | 69 | 69 | 70 | 70 | 70 | 70 | | | | |
| | Operating Current(Max) | | A | 13 | 13 | 19 | 19 | 20 | 8 | 26.5 | 9 | 30 | 11.8 | | | | |
| | Breaker Size | | A | 16 | 16 | 25 | 25 | 32 | 16 | 32 | 16 | 40 | 16 | | | | |
| Ext.Piping | Diameter ^(*5) | Liquid/Gas | mm | 6.35 / 12.7 | 6.35 / 12.7 | 9.52 / 15.88 | 9.52 / 15.88 | | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | | | | |
| | Max.Length | Out-In | m | 50 | 50 | 55 | 55 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| | Max.Height | Out-In | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | | | |
| Guaranto | d Operating Bange (Outdoor) | Cooling ^(*3) | °C | -15 - +46 | -15 - +46 | -15 +46 | -15 +46 | -15 - +46 | -15 +46 | -15 +46 | -15 +46 | -15 +46 | -15 +46 | | | | |

 Guaranteed Operating Range (Outdoor)
 Cooling¹¹⁰
 °C
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 *1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warning potential (GWP) would contribute less to global warning that a refrigerant with higher GWP, if leaked to the atmosphere, the impact on global warning that a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warning yould be 550 times higher than 1 kg of CO2, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report. *2 Energy consumption based on standard test results. Actual energy consumption wild depend on how the appliance is used and where it is located.
*3 Optional air protection guide is required where ambient temperature is lower than –5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units.

Fresh-ark Factor High-efficiency

Demand Control White

| | | Ampere Rotation | Ь | Group Control | A-NET co | MPO Wi-F | | Wiring Reuse | Drain Lift Up | Pump | Flare | Failur | e | | |
|---------------------------|---|---------------------------------|---------------------|-----------------------|-----------------------|-----------------------|--------------|-----------------------|-----------------------|--------------|----------------------|-------------|--------------|--|--|
| UIANDAN | | Silent C Limit Back-up | Optional | | Optional | Unterf: Option | | Optional | | Down 🗠 | Diag | nosis Reca | | | |
| Туре | | | | | | | | Inverter H | leat Pump | | | | | | |
| ndoor Unit | | | | PLA-M35EA2 | PLA-M50EA2 | PLA-M60EA2 | PLA-M71EA2 | | | PLA-M125EA2 | PLA-M125EA2 | PLA-M140EA2 | PLA-M140 | | |
| Dutdoor Un | it | | | SUZ-M35VA | SUZ-M50VA | | SUZ-M71VA | | | | PUZ-M125YKA2 | | | | |
| Refrigerant ^{(*} | | | | | | | | | 32 | | | | | | |
| Power | Source | | | Outdoor power supply | | | | | | | | | | | |
| Supply | Outdoor(V/Phase/Hz) | | | | | | VAJVKA | | 0, YKA:400/TI | hree/50 | | | | | |
| Cooling | Capacity | Rated | kW | 3.6 | 5.5 | 6.1 | 7.1 | 9.5 | 9.5 | 12.1 | 12.1 | 13.4 | 13.4 | | |
| ocoming | Capacity | Min-Max | kW | 0.8 - 3.9 | 1.2 - 5.6 | 1.6 - 6.3 | 2.2 - 8.1 | 4.0 - 10.6 | 4.0 - 10.6 | 5.8 - 13.0 | 5.8 - 13.0 | 5.8 - 14.1 | 5.8 - 14 | | |
| | Total Input | Rated | kW | 0.900 | 1.617 | 1.848 | 1.918 | 2.714 | 2.714 | 4.019 | 4.019 | 4.962 | 4.962 | | |
| | EER | hatou | | 4.00 | 3.40 | 3.30 | 3.70 | 3.50 | 3.50 | 3.01 | 3.01 | 2.70 | 2.70 | | |
| | Design load | | kW | 3.6 | 5.5 | 6.1 | 7.1 | 9.5 | 9.5 | | | - | 2.70 | | |
| | Annual electricity consumpti | on (*2) | kWh/a | 170 | 285 | 320 | 331 | 475 | 475 | - | - | - | - | | |
| | SEER (*4) | 011 | KVVII/d | 7.4 | 6.7 | 6.6 | 7.5 | 7.0 | 7.0 | - | - | | - | | |
| | 012.1 | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ | - | - | - | - | | |
| leating | Capacity | Rated | kW | 4.1 | 6.0 | 7.0 | 8.0 | 11.2 | 11.2 | 13.5 | 13.5 | 15.0 | 15.0 | | |
| learnig | Supacity | Min-Max | kW | 1.0 - 5.0 | 1.5 - 7.2 | 1.6 - 8.0 | 2.0 - 10.2 | 2.8 - 12.5 | 2.8 - 12.5 | 4.1 - 15.0 | 4.1 - 15.0 | 4.2 - 15.8 | 4.2 - 15 | | |
| | Total Input | Rated | kW | 0.976 | 1.734 | 1.842 | 2.0 - 10.2 | 3.018 | 3.018 | 3.638 | 3.638 | 4.2 - 15.8 | 4.2 - 15 | | |
| | COP | nateu | KVV | 4.20 | 3.46 | 3.80 | 3.61 | 3.018 | 3.018 | 3.030 | 3.030 | 3.41 | 3.41 | | |
| | Design load | | kW | 2.6 | 4.3 | 4.6 | 5.8 | 8.0 | 8.0 | - 3.71 | - 3.71 | - 3.41 | 3.41 | | |
| | | | kW | - | 1 | | | | 1 | _ | - | - | - | | |
| | Declared Capacity | at reference design temperature | | 2.3 (-10°C) | 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | 6.0 (-10°C) | 6.0 (-10°C) | | | | - | | |
| | | at bivalent temperature | kW kW | 2.3 (-7°C) | 3.8 (-7°C) | 4.1 (-7°C) | 5.2 (-7°C) | 7.0 (-7°C) | 7.0 (-7°C) | - | - | - | - | | |
| | at operation limit temperature | | | 2.3 (-10°C) | 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | 4.5 (-15°C) | 4.5 (-15°C) | - | - | - | - | | |
| | Back up heating capacity | (42) | kW | 0.3 | 0.5 | 0.5 | 0.6 | 2.0 | 2.0 | _ | _ | _ | | | |
| | Annual electricity consumpti SCOP (*4) | on (*2) | kWh/a | 774 | 1458 | 1459 | 1798 | 2406 4.6 | 2406 | - | - | _ | - | | |
| | SCOP | | | 4.7 | 4.1 | 4.4 | 4.5 | | 4.6 | - | - | | - | | |
| | (84 | Energy efficiency class | A | A++ 8.7 | A+ 13.7 | A+ 15.0 | A+ 15.1 | A++ 20.5 | A++ | 27.2 | 12.2 | 30.7 | 12.2 | | |
| | Current(Max) | 8 | | | | | | | 12 | | | | | | |
| ndoor | Input [cooling / Heating] | Rated | kW | 0.03/0.03 | 0.03/0.03 | 0.03/0.03 | 0.04 / 0.04 | 0.07/0.07 | 0.07/0.07 | 0.10/0.10 | 0.10/0.10 | 0.10/0.10 | 0.10/0. | | |
| Jnit | Operating Current(Max) Dimensions | H*W*D | A | 0.20 | 0.22 | 0.24 | 0.27 | 0.46 | 0.46 | 0.66 | 0.66 <40-950-950> | 0.66 | 0.66 | | |
| | | H-W-D | mm | | | | | 04.5 | | 298-840-840 | | 26 <5> | 00.5 | | |
| | Weight Air Volume (Lo-Mi2-Mi1-Hi) | | kg m³/min | 19 <5> 11-13-15-16 | 19 <5> 12-14-16-18 | 21 <5> 12-14-16-18 | 21 <5> | 24 <5> 19-23-26-29 | 24 <5> 19-23-26-29 | 20 < 5> | 26 <5> | 26 < 5> | 26 <5 | | |
| | Sound Level (Lo-Mi2-Mi1-Hi) (S | DI \ | dB(A) | 26-28-29-31 | 27-29-31-32 | 27-29-31-32 | 28-30-32-34 | 31-34-37-40 | 31-34-37-40 | | 33-37-41-44 | 36-39-42-44 | 36-39-42 | | |
| | Sound Level (PWL) | F L) | dB(A) | 51 | 54 | 54 | 56 | 61 | 61 | 65 | 65 | 65 | 65 | | |
| Outdoor | Dimensions | H*W*D | mm | 550-800-285 | | | 880-840-330 | | | | 981-1050-330(+40) | | 981-1050-330 | | |
| Unit | Weight | II W D | kg | 35 | 41 | 54 | 55 | 76 | 78 | 84 | 85 | 84 | 85 | | |
| Jiiit | Air Volume | Cooling | m ³ /min | 34.3 | 45.8 | 50.1 | 50.1 | 79 | 70 | 86 | 86 | 86 | 86 | | |
| | | Heating | m ³ /min | 34.3 | 43.7 | 50.1 | 50.1 | 79 | 79 | 92 | 92 | 92 | 92 | | |
| | Sound Level (SPL) | Cooling | dB(A) | 48 | 43.7 | 49 | 49 | 51 | 51 | 54 | 54 | 55 | 55 | | |
| | Sound Lever (SFL) | Heating | dB(A) | 48 | 40 | 51 | 51 | 54 | 54 | 56 | 56 | 55 | 55 | | |
| | Sound Level (PWL) | | dB(A) | 59 | 49 64 | 65 | 66 | 70 | 70 | 72 | 72 | 73 | 73 | | |
| | | Cooling | | 8.5 | 13.5 | 14.8 | 14.8 | 20 | 11.5 | 26.5 | 11.5 | 30 | 11.5 | | |
| | Operating Current(Max) Breaker Size | | A | 8.5 | 20 | 20 | 20 | 32 | 11.5 | 32 | 11.5 | 30 | 11.5 | | |
| hat Dimin | | Liquid/Cas | A | | | | | | - | | | | | | |
| xt.Piping | Diameter(*5) | Liquid/Gas | mm | 6.35 / 9.52 | 6.35/12.7 | | 9.52 / 15.88 | 9.52 / 15.88 | | 9.52 / 15.88 | 9.52 / 15.88 | | 9.52 / 15 | | |
| | Max.Length | Out-In | m | 20 | 30 | 30 | 30 | 55 | 55 | 65 | 65 | 65 | 65 | | |
| | Max.Height | Out-In | m | 12 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | |
| Juaranteed | I Operating Range (Outdoor) | Cooling ^(*3) | °C | -10 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +- | | |
| | | Heating | °C | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ + | | |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere. This appliance is used at the transphere. This appliance is used at a transphere. This appliance is used at the transphere. This applicance is u

| | F-see Sensor Optional Optional | AUTO VANE Fresh-air Intake High-efficiency Optional | Long Life Check Swing High Ceiling | |
|--------------------------------|---|---|------------------------------------|------------------------------------|
| PLA-M SERIES POWER INVERTER | Silent Cation Limit Rotation Back-up | Group Control Control Optional | COMPO | Pump Down Connection Set Recall |

| Туре | | | | | | | | | leat Pump | | | | |
|---------------------|-----------------------------|---------------------------------|--------|--------------|--------------|--------------|--------------|--------------------|----------------|---------------|---------------|--------------------|---------------|
| Indoor Unit | | | | PLA-M35EA2 | | | | PLA-M100EA2 | | | | | |
| Outdoor Unit | | | | PUZ-ZM35VKA2 | PUZ-ZM50VKA2 | PUZ-ZM60VHA2 | PUZ-ZM71VHA2 | PUZ-ZM100VKA2 | PUZ-ZM100YKA2 | PUZ-ZM125VKA2 | PUZ-ZM125YKA2 | PUZ-ZM140VKA2 | PUZ-ZM140YKA2 |
| Refrigerant(*1) | | | | | | | | R | 32 | | | | - |
| Power So | ource | | | | | | | Outdoor po | wer supply | | | | |
| Supply Ou | utdoor(V/Phase/Hz) | | | | | | VKA · V | HA:230/Single/ | /50, YKA:400/T | hree/50 | | | |
| | Capacity | Rated | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | 12.5 | 12.5 | 13.4 | 13.4 |
| 11 | | Min-Max | kW | 1.6 - 4.5 | 2.3 - 5.6 | 2.7 - 6.5 | 3.3 - 8.1 | 4.9 - 11.4 | 4.9 - 11.4 | 5.5 - 14.0 | 5.5 - 14.0 | 6.2 - 15.0 | 6.2 - 15.0 |
| 1 1 | Total Input | Rated | kW | 0.751 | 1.175 | 1.523 | 1.716 | 2.209 | 2.209 | 3.396 | 3.396 | 3.746 | 3.746 |
| <u> </u> | EER | | | 4.79 | 4.25 | 4.00 | 4.14 | 4.30 | 4.30 | 3.68 | 3.68 | 3.58 | 3.58 |
| Cooling | Design load | | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | - | - | - | - |
| | Annual electricity consump | otion(*2) | kWh/a | 172 | 234 | 301 | 336 | 437 | 448 | - | - | - | - |
| | SEER(*4) | | | 7.3 | 7.4 | 7.1 | 7.4 | 7.6 | 7.4 | - | - | - | - |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ | - | - | - | - |
| | Capacity | Rated | kW | 4.1 | 6.0 | 7.0 | 8.0 | 11.2 | 11.2 | 14.0 | 14.0 | 16.0 | 16.0 |
| | | | kW | 1.6 - 5.2 | 2.5 - 7.3 | 2.8 - 8.2 | 3.5 - 10.2 | 4.5 - 14.0 | 4.5 - 14.0 | 5.0 - 16.0 | 5.0 - 16.0 | 5.7 - 18.0 | 5.7 - 18.0 |
| | Total Input | Rated | kW | 0.890 | 1.581 | 1.863 | 2.014 | 2.685 | 2.685 | 3.773 | 3.773 | 4.365 | 4.365 |
| | COP | | | 4.61 | 3.79 | 3.76 | 3.97 | 4.17 | 4.17 | 3.71 | 3.71 | 3.67 | 3.67 |
| Heating | Design load | | kW | 2.5 | 3.8 | 4.4 | 4.7 | 7.8 | 7.8 | - | - | - | - |
| (Average | Declared Capacity | at reference design temperature | kW | 2.5 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - |
| Season) | | at bivalent temperature | kW | 2.5 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - |
| | | at operation limit temperature | kW | 2.1 (-11°C) | 3.7 (-11°C) | 2.8 (-20°C) | 3.4 (-20°C) | 5.8 (-20°C) | 5.8 (-20°C) | - | - | - | - |
| | Back up heating capacity | | kW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - |
| | Annual electricity consump | otion ^(*2) | kWh/a | 798 | 1187 | 1422 | 1429 | 2496 | 2497 | - | - | - | - |
| | SCOP ^[*4] | | | 4.3 | 4.4 | 4.3 | 4.6 | 4.3 | 4.3 | - | - | - | - |
| | | Energy efficiency class | | A+ | A+ | A+ | A++ | A+ | A+ | - | - | - | - |
| Operating Cu | urrent(Max) | | A | 13.2 | 13.2 | 19.2 | 19.3 | 20.5 | 8.5 | 27.2 | 9.7 | 30.7 | 12.5 |
| Inp | put [cooling / Heating] | Rated | kW | 0.03/0.03 | 0.03/0.03 | 0.03/0.03 | 0.04/0.04 | 0.07/0.07 | 0.07 / 0.07 | 0.10/0.10 | 0.10/0.10 | 0.10/0.10 | 0.10/0.10 |
| Op | perating Current(Max) | | A | 0.20 | 0.22 | 0.24 | 0.27 | 0.46 | 0.46 | 0.66 | 0.66 | 0.66 | 0.66 |
| Di | mensions | H*W*D | mm | | 258-840-840 | <40-950-950> | | | | 298-840-840 | <40-950-950> | | |
| | eight | · | kg | 19 <5> | 19 <5> | 21 <5> | 21 <5> | 24 <5> | 24 <5> | 26 <5> | 26 <5> | 26 <5> | 26 <5> |
| Unit Air | ir Volume (Lo-Mid-Hi) | | m³/min | 11-13-15-16 | 12-14-16-18 | 12-14-16-18 | 14-17-19-21 | 19-23-26-29 | 19-23-26-29 | 21-25-28-31 | 21-25-28-31 | 24-26-29-32 | 24-26-29-32 |
| | ound Level (Lo-Mid-Hi) (SPL | -) | dB(A) | 26-28-29-31 | | 27-29-31-32 | 28-30-32-34 | 31-34-37-40 | 31-34-37-40 | 33-37-41-44 | 33-37-41-44 | 36-39-42-44 | 36-39-42-44 |
| | ound Level (PWL) | | dB(A) | 51 | 54 | 54 | 56 | 61 | 61 | 65 | 65 | 65 | 65 |
| | mensions | H*W*D | mm | 630-809-300 | | | | 1338-1050-330(+40) | | | | 1338-1050-330(+40) | |
| | eight | | kg | 46 | 46 | 67 | 67 | 105 | 111 | 105 | 114 | 105 | 118 |
| Aiı | ir Volume | Cooling | m³/min | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | | Heating | m³/min | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | ound Level (SPL) | | dB(A) | 44 | 44 | 47 | 47 | 49 | 49 | 50 | 50 | 50 | 50 |
| Unit | | | dB(A) | 46 | 46 | 49 | 49 | 51 | 51 | 52 | 52 | 52 | 52 |
| | ound Level (PWL) | Cooling | dB(A) | 65 | 65 | 67 | 67 | 69 | 69 | 70 | 70 | 70 | 70 |
| | perating Current(Max) | | A | 13 | 13 | 19 | 19 | 20 | 8 | 26.5 | 9 | 30 | 11.8 |
| | reaker Size | | A | 16 | 16 | 25 | 25 | 32 | 16 | 32 | 16 | 40 | 16 |
| | iameter ^(*5) | Liquid/Gas | mm | 6.35 / 12.7 | 6.35 / 12.7 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 |
| Ext.Piping Ma | | Out-In | m | 50 | 50 | 55 | 55 | 100 | 100 | 100 | 100 | 100 | 100 |
| | ax.Height | Out-In | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Cuerenteed (| Operating Range (Outdoor) | Cooling ^(*3) | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| Guaranteeu C | | Heating | °C | -11 ~ +21 | -11 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP; if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or diassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.
*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
*3 Optional air protection guide is required where ambient temperature is lower than -5°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units.

PEA SERIES

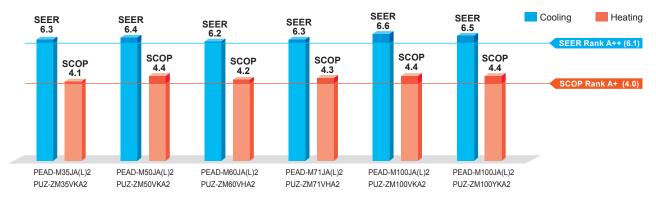
buildings with minimum ceiling installation space.



ErP Lot-10 compliant, Achieving High Energy Efficiency



The shape of fan wing and casing is improved to provide more smooth air flow, increasing the operation efficiency. All models under 12kW(M35~M100) are complied with ErP Lot 10 and energy rankings of A++ for cooling and A+ for heating. This contributes to a reduction in the cost of annual electricity.



Compact Indoor Units

The height of the models from 35-140 has been unified to 250 mm, which makes installation in low ceiling with minimal clearance space possible.

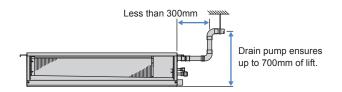
Selectable Static Pressure Levels

External static pressure conversion can be set up to five levels. Capable of being set to a maximum of 150 Pa, units are applicable to a wide range of building types.

Drain Pump is Optionally Selectable

The line-up consists of two types: models with or without a built-in drain pump, thus allowing more freedom in piping design.

PEAD-M JA2 Built-in drain pump PEAD-M JAL2 No drain pump



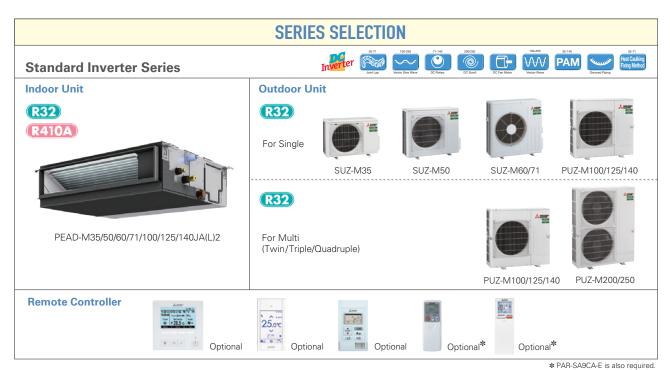
Connectable to **Plasma Quad Connect**

The optional Plasma Quad Connect MAC-100FT-E can be installed on the indoor unit's air inlet side. For installation, PQ attachment or PQ box is required.

| | SERIES SELECTIO |)N | | |
|-------------------------------------|--------------------------------------|--|--------------|--|
| Power Inverter Series | Inverter | 100-250 71-140 200250 Vector Size Ways DC Rotary DC Social | DC Fan Motor | 35-140 PAM Conserved Paping Concerned Paping |
| Indoor Unit | Outdoor Unit | | | |
| R32 R410A | R32 | | | |
| | For Single | | | |
| | | PUZ-ZM35/50 P | UZ-ZM60/71 | PUZ-ZM100/125/140 |
| | R32 | | | |
| PEAD-M35/50/60/71/100/125/140JA(L)2 | For Multi (Twin/Triple/Quadruple) | | | 0 |
| | | | PUZ-ZM71 | PUZ-ZM100/125/140/200/25 |
| Remote Controller | 25.oc Optional Opti | onal Optional* | Option | ol* |
| Орнона | | Optional | Option | * PAR-SA9CA-E is also requir |

PEAD-M JA(L)2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | | Outd | oor Ui | nit Cap | pacity | | | | | | | | |
|--------|-------------------|------|------|------|------|---------|-------|-------|-----|------|--------|---------|--------|------|-----------|-------------|------|--------|------|--------|-------------|
| Indoor | Unit Combination | | | | Fo | or Sing | le | | | | | | For | Fwin | | | F | orTrip | le | For Qu | adruple |
| | | | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Power | Inverter (PUZ-ZM) | 35x1 | 50x1 | 60x1 | 71x1 | 100x1 | 125x1 | 140x1 | - | - | 35x2 | 50x2 | 60x2 | 71x2 | 100x2 | 125x2 | 50x3 | 60x3 | 71x3 | 50x4 | 60x4 |
| | Distribution Pipe | | - | - | - | - | - | - | - | - | N | ISDD- | 50TR2 | -E | MS 50W | DD- R2-E | MSI | DT-111 | R3-E | | DF- R2-E |



PEAD-M JA(L)2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | Outd | oor Ui | nit Cap | acity | | | | | | | | |
|-------------------------------|------|------|------|------|---------|-------|-------|-----|------|--------|---------|-------|------|-----------|--------------|------|--------|------|--------|-------------|
| Indoor Unit Combination | | | | Fo | or Sing | le | | | | | | For | 「win | | | F | orTrip | le | For Qu | adruple |
| | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Standard Inverter (PUZ-M&SUZ) | 35x1 | 50x1 | 60x1 | 71x1 | 100x1 | 125x1 | 140x1 | - | - | - | 50x2 | 60x2 | 71x2 | 100x2 | 125x2 | 50x3 | 60x3 | 71x3 | 50x4 | 60x4 |
| Distribution Pipe | - | - | - | - | - | - | - | - | - | - | MSD | D-50T | R2-E | MS 50W | DD- /R2-E | MSI | DT-111 | R3-E | | DF- R2-E |

| PEAD-M SERIES | |
|----------------------|--|
| DOWER INVERTER | |

Туре

| Demand Control | Long Life | Check! | З алто | | Çi≑Ö ACO | 4 Auto Restart | Low Temp Cooling | Silent | Ampere Limit | Rotation Back-up | Optional | Group Control | M-NET connection | Wi-Fi)) Interface | COMPO |
|-------------------|-----------------|------------------|---------------|------------------|-------------------|--------------------------|---------------------|--------|-----------------|---------------------|----------|------------------|---------------------|-----------------------|-------|
| Cleaning-ree, | Wiring Reuse | Drain Lift Up | Pump Down | Flare connection | Self Diagnosis | Failure Recall | | | | | | | | | |

Inverter Heat Pump

| Indoor Uni | | | | | | | | | | PEAD-M125JA(L)2 | | | |
|------------------------------------|--|--|------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Outdoor U | | | | PUZ-ZM35VKA2 | PUZ-ZM50VKA2 | PUZ-ZM60VHA2 | PUZ-ZM71VHA2 | PUZ-ZM100VKA2 | PUZ-ZM100YKA2 | PUZ-ZM125VKA2 | PUZ-ZM125YKA2 | PUZ-ZM140VKA2 | PUZ-ZM140YKA2 |
| Refrigeran | t ^(*1) | | | | | | | | 32 | | | | |
| Power | Source | | | | | | | Outdoor po | ower supply | | | | |
| Supply | Outdoor(V/Phase/Hz) | | | | | | VKA-V | HA:230/Single/ | 50, YKA:400/T | hree/50 | | | |
| Cooling | Capacity | Rated | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | 12.5 | 12.5 | 13.4 | 13.4 |
| | | Min-Max | kW | 1.6 - 4.5 | 2.3 - 5.6 | 2.7 - 6.7 | 3.3 - 8.1 | 4.9 - 11.4 | 4.9 - 11.4 | 5.5 - 14.0 | 5.5 - 14.0 | 6.2 - 15.3 | 6.2 - 15.3 |
| | Total Input | Rated | kW | 0.837 | 1.190 | 1.487 | 1.775 | 2.261 | 2.261 | 3.333 | 3.333 | 3.701 | 3.701 |
| | EER ^(*4) | | | 4.30 | 4.20 | 4.10 | 4.00 | 4.20 | 4.20 | 3.75 | 3.75 | 3.62 | 3.62 |
| | Design load | | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | - | - | - | - |
| | Annual electricity consump | otion (*2) | kWh/a | 199 | 273 | 342 | 393 | 499 | 510 | - | - | - | - |
| | SEER(*4)(*5) | | | 6.3 | 6.4 | 6.2 | 6.3 | 6.6 | 6.5 | - | - | - | - |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ | - | - | - | - |
| Heating | Capacity | Rated | kW | 4.1 | 6.0 | 7.0 | 8.0 | 11.2 | 11.2 | 14.0 | 14.0 | 16.0 | 16.0 |
| | | Min-Max | kW | 1.6 - 5.2 | 2.5 - 7.3 | 2.8 - 8.2 | 3.5 - 10.2 | 4.5 - 14.0 | 4.5 - 14.0 | 5.0 - 16.0 | 5.0 - 16.0 | 5.7 - 18.0 | 5.7 - 18.0 |
| | Total Input | Rated | kW | 0.911 | 1.363 | 1.590 | 1.904 | 2.545 | 2.545 | 3.763 | 3.763 | 4.102 | 4.102 |
| | COP(*4) | | | 4.50 | 4.40 | 4.40 | 4.20 | 4.40 | 4.40 | 3.72 | 3.72 | 3.90 | 3.90 |
| | Design load | | kW | 2.4 | 3.8 | 4.4 | 4.9 | 7.8 | 7.8 | - | - | - | - |
| | Declared Capacity | at reference design temperature | kW | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.9 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - |
| | | at bivalent temperature | kW | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.9 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - |
| | | at operation limit temperature | kW | 2.2 (-11°C) | 3.7 (-11°C) | 2.8 (-20°C) | 3.4 (-20°C) | 5.8 (-20°C) | 5.8 (-20°C) | - | - | - | - |
| | Back up heating capacity | ck up heating capacity | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | - |
| | Annual electricity consumption(*2) | | kWh/a | 816 | 1202 | 1459 | 1585 | 2469 | 2470 | - | - | - | - |
| | SCOP(*4)(*5) | | | 4.1 | 4.4 | 4.2 | 4.3 | 4.4 | 4.4 | - | - | - | - |
| | | Energy efficiency class | | A+ | A+ | A+ | A+ | A+ | A+ | - | - | - | - |
| Operating | Current(Max) | | A | 14.2 | 14.4 | 20.9 | 20.9 | 22.3 | 10.3 | 28.8 | 11.3 | 32.6 | 14.4 |
| Indoor | Input [cooling / Heating] | Rated | kW | 0.05 | 0.07 | 0.08 | 0.09 | 0.14 | 0.14 | 0.20 | 0.20 | 0.21 | 0.21 |
| Unit | Operating Current(Max) | | A | 1.16 | 1.35 | 1.85 | 1.9 | 2.25 | 2.25 | 2.34 | 2.34 | 2.63 | 2.63 |
| | | H*W*D | mm | | | | | | | 250×1400×732 | | | |
| | Weight | | kg | 25(24.5) | 26.5(25.5) | 29.5(29) | 29.5(29) | 37(36) | 37(36) | 38(37) | 38(37) | 42(41) | 42(41) |
| | Air Volume (Lo-Mid-Hi) | | m³/min | | | 14.5-18.0-21.0 | | | 23.0-28.0-32.0 | 28.0-34.0-37.0 | | | 29.5-35.5-40.0 |
| | External Static Pressure ^(*7) | - | Pa | | -<100>-<150> | | | -<100>-<150> | | | | -<100>-<150> | |
| | Sound Level (Lo-Mid-Hi) (SPL | .) | dB(A) | 24-29-32 | 27-33-35 | 26-32-35 | 26-32-37 | 31-36-39 | 31-36-39 | 35-39-41 | 35-39-41 | 34-38-41 | 34-38-41 |
| 0.11 | Sound Level (PWL) | H*W*D | dB(A) | 54 | 58 630-809-300 | 56 | 58 | 62 1338-1050-330(+40) | 62 | 66 | 66 | 66 | 66 1338-1050-330(+40 |
| Outdoor | Dimensions | H*W*D | mm | 630-809-300 | | | | | | | | | |
| Unit | Weight | lo r | kg | 46 | 46 | 67 | 67 | 105 | 111 | 105 | 114 | 105 | 118 |
| | Air Volume | | m³/min m³/min | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | | | | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | Sound Level (SPL) | Cooling | dB(A) | 44 | 44 | 47 | 47 | 49 | 49 | 50 | 50 | 50 | 50 |
| | | | dB(A) | 46 | 46 | 49 | 49 | 51 | 51 | 52 | 52 | 52 | 52 |
| | Sound Level (PWL) | Cooling | dB(A) | 65 | 65 | 67 | 67 | 69 | 69 | 70 | 70 | 70 | 70 |
| | Operating Current(Max) | | A | 13 | 13 | 19 | 19 | 20 | 8 | 26.5 | 9 | 30 | 11.8 |
| F (D ¹) | Breaker Size | | A | 16 | 16 | 25 | 25 | 32 | 16 | 32 | 16 | 40 | 16 |
| Ext.Piping | Diameter ^(*6) | Liquid/Gas | mm | 6.35/12.7 | 6.35 / 12.7 | 9.52 / 15.88 | 9.52/15.88 | | 9.52 / 15.88 | 9.52 / 15.88 | | 9.52/15.88 | 9.52 / 15.88 |
| | Max.Length | Out-In | m | 50 | 50 | 55 | 55 | 100 | 100 | 100 | 100 | 100 | 100 |
| | NA 11 1 1 4 | | | | | | | | | | | | |
| | Max.Height | Out-In | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Guarantee | Max.Height ed Operating Range (Outdoor) | Out-In Cooling ^(*3) Heating | m °C °C | 30 -15 ~ +46 -11 ~ +21 | 30 -15 ~ +46 -11 ~ +21 | 30 -15 ~ +46 -20 ~ +21 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP is refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP is refrigerant with higher GWP is refrigerant fluid would be leaked to the atmosphere. This septiance is used and where it is located.
*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
*3 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 EER/COP and SEER/SCOP for M35-71 are measured at ESP 35Pa, for M100 at ESP 37Pa, for M125/140 at ESP 50Pa.
*7 The factory setting of ESP is shown without < >.

| | Demand Control Optional | | | Auto Restart Cooling | Silent Silent | Grou Optional | p ol M-NET connection | Wi-Fi)) Interface | СОМРО |
|------------------------------------|-------------------------------|------------------|----------------------------|----------------------|---------------|------------------|-----------------------------|-----------------------|-------|
| PEAD-M SERIES STANDARD INVERTER | Wiring Reuse | Drain Lift Up | Flare connection Diagnosis | Failure Recal | | | | | |

| Туре | | | | | | | | Inverter H | leat Pump | | | | |
|------------|------------------------------|-------------------------------|---------|----------------|----------------|----------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------|
| Indoor Un | it | | | PEAD-M35JA(L)2 | PEAD-M50JA(L)2 | PEAD-M60JA(L)2 | PEAD-M71JA(L)2 | PEAD-M100JA(L)2 | PEAD-M100JA(L)2 | PEAD-M125JA(L)2 | PEAD-M125JA(L)2 | PEAD-M140JA(L)2 | PEAD-M140JA(L)2 |
| Outdoor L | Init | | | SUZ-M35VA | SUZ-M50VA | | | | | | | PUZ-M140VKA2 | |
| Refrigerar | t ^(*1) | | | | | | | | 32 | | | | |
| Power | Source | | | | | | | Outdoor po | ower supply | | | | |
| Supply | Outdoor(V/Phase/Hz) | | | | | | VA·V | KA:230/Single/5 | | ree/50 | | | |
| Cooling | Capacity | Rated | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | 12.1 | 12.1 | 13.4 | 13.4 |
| | | Min-Max | kW | 0.8 - 3.9 | 1.7 - 5.6 | 1.6 - 6.3 | 2.2 - 8.1 | 4.0 - 10.6 | 4.0 - 10.6 | 6.0 - 13.0 | 6.0 - 13.0 | 6.1 - 14.1 | 6.1 - 14.1 |
| | Total Input | Rated | kW | 0.923 | 1.351 | 1.694 | 2.028 | 2.878 | 2.878 | 4.019 | 4.019 | 4.768 | 4,768 |
| | EER(*4) | | | 3.90 | 3.70 | 3.60 | 3.50 | 3.30 | 3.30 | 3.01 | 3.01 | 2.81 | 2.81 |
| | Design load | | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | - | - | - | |
| | Annual electricity consump | otion (*2) | kWh/a | 199 | 277 | 345 | 397 | 538 | 538 | - | - | - | - |
| | SEER ^{(*4)(*5)} | | | 6.3 | 6.3 | 6.1 | 6.2 | 6.1 | 6.1 | - | - | - | - |
| | 0220 | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ | - | - | - | - |
| Heating | Capacity | | kW | 4.1 | 6.0 | 7.0 | 8.0 | 11.2 | 11.2 | 13.5 | 13.5 | 15.0 | 15.0 |
| | 1 | | kW | 1.1 - 5.0 | 1.5 - 7.2 | 1.6 - 8.0 | 2.0 - 10.2 | 2.8 - 12.5 | 2.8 - 12.5 | 4.1 - 15.0 | 4.1 - 15.0 | 4.2 - 15.8 | 4.2 - 15.8 |
| | Total Input | | kW | 1.025 | 1.463 | 1.842 | 2.105 | 2.947 | 2.947 | 3.739 | 3.739 | 4.155 | 4.155 |
| | COP ^(*4) | | | 4.00 | 4.10 | 3.80 | 3.80 | 3.80 | 3.80 | 3.61 | 3.61 | 3.61 | 3.61 |
| | Design load | | kW | 2.6 | 4.3 | 4.6 | 5.8 | 8.0 | 8.0 | - | - | - | |
| | Declared Capacity | | kW | 2.3 (-10°C) | 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | 6.0 (-10°C) | 6.0 (-10°C) | - | - | - | - |
| | Doolaroa oapaoley | | kW | 2.3 (-7°C) | 3.8 (-7°C) | 4.1 (-7°C) | 5.2 (-7°C) | 7.0 (-7°C) | 7.0 (-7°C) | - | - | - | - |
| | | | kW | 2.3 (-10°C) | 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | 4.5 (-15°C) | 4.5 (-15°C) | | | - | |
| | Back up heating capacity | at operation whit temperature | kW | 0.3 | 0.5 | 0.5 | 0.6 | 2.0 | 2.0 | _ | | - | _ |
| | Annual electricity consump | ation (*2) | kWh/a | 884 | 1417 | 1558 | 1973 | 2725 | 2725 | - | - | - | |
| | SCOP ^{(*4)(*5)} | | KVVII/a | 4.1 | 4.2 | 4.1 | 4.1 | 4.1 | 4.1 | - | - | - | |
| | 3001 | Energy efficiency class | | A+ | 4.2 A+ | A+ | 4.1 A+ | 4.1 A+ | 4.1 A+ | | | | |
| Operating | Current(Max) | | A | 9.7 | 14.9 | 16.7 | 16.7 | 22.3 | 13.8 | 27.8 | 12.8 | 31.4 | 12.9 |
| Indoor | Input [cooling / Heating] | | kW | 0.05 | 0.07 | 0.08 | 0.09 | 0.14 | 0.14 | 0.20 | 0.20 | 0.21 | 0.21 |
| Unit | Operating Current(Max) | | A | 1.16 | 1.35 | 1.85 | 1.9 | 2.25 | 2.25 | 2.34 | 2.34 | 2.63 | 2.63 |
| onne | Dimensions | H*W*D | mm | | 250×900×732 | | | | | | | 250×1600×732 | |
| | Weight | | kg | 25(24.5) | 26.5(25.5) | 29.5(29) | 29.5(29) | 37(36) | 37(36) | 38(37) | 38(37) | 42(41) | 42(41) |
| | Air Volume (Lo-Mid-Hi) | | m³/min | | 12.0-14.5-17.0 | | | 23.0-28.0-32.0 | | | | 29.5-35.5-40.0 | |
| | External Static Pressure(*7) | | Pa | | -<100>-<150> | | | >-<100>-<150> | | | | -<100>-<150> | |
| | Sound Level (Lo-Mid-Hi) (SPL | _) | dB(A) | 24-29-32 | 27-33-35 | 26-32-35 | 26-32-37 | 31-36-39 | 31-36-39 | 35-39-41 | 35-39-41 | 34-38-41 | 34-38-41 |
| | Sound Level (PWL) | | dB(A) | 54 | 58 | 56 | 58 | 62 | 62 | 66 | 66 | 66 | 66 |
| Outdoor | Dimensions | H*W*D | mm | 550-800-285 | 714-800-285 | 880-840-330 | 880-840-330 | 981-1050-330(+40) | 981-1050-330(+40) | 981-1050-330(+40) | 981-1050-330(+40) | 981-1050-330(+40) | 981-1050-330(+40 |
| Unit | Weight | | kg | 35 | 41 | 54 | 55 | 76 | 78 | 84 | 85 | 84 | 85 |
| | Air Volume | Cooling | m³/min | 34.3 | 45.8 | 50.1 | 50.1 | 79 | 79 | 86 | 86 | 86 | 86 |
| | | Heating | m³/min | 32.7 | 43.7 | 50.1 | 50.1 | 79 | 79 | 92 | 92 | 92 | 92 |
| | Sound Level (SPL) | Cooling | dB(A) | 48 | 48 | 49 | 49 | 51 | 51 | 54 | 54 | 55 | 55 |
| | | Heating | dB(A) | 48 | 49 | 51 | 51 | 54 | 54 | 56 | 56 | 57 | 57 |
| | Sound Level (PWL) | Cooling | dB(A) | 59 | 64 | 65 | 66 | 70 | 70 | 72 | 72 | 73 | 73 |
| | Operating Current(Max) | · · | A | 8.5 | 13.5 | 14.8 | 14.8 | 20 | 11.5 | 26.5 | 11.5 | 30 | 11.5 |
| | Breaker Size | | A | 16 | 20 | 20 | 20 | 32 | 16 | 32 | 16 | 40 | 16 |
| Ext.Pipin | Diameter ^(*6) | Liquid/Gas | mm | 6.35/9.52 | 6.35 / 12.7 | 6.35 / 15.88 | 9.52/15.88 | 9.52/15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 |
| | Max.Length | Out-In | m | 20 | 30 | 30 | 30 | 55 | 55 | 65 | 65 | 65 | 65 |
| | Max.Height | Out-In | m | 12 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Guarante | ed Operating Range (Outdoor) | Cooling ^(*3) | °C | -10 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| | | Heating | °C | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -10 ~ +24 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 | -15 ~ +21 |

contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaded to the atmosphere, the impact on global warming used be stoff inces higher than 1 kg of CD₂, of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the period how the applicable to the atmosphere, the impact on global warming used be 550 times higher than 1 kg of CD₂, of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the period how the applicable to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CD₂, of 22 Energy consumption based on standard test results. Actual energy consumption based on standard test results. Actual energy consumption will depend on how the applicable circuit source is used and where it is located. *3 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 EER/COP and SEER/SCOP for M35-71 are measured at ESP 35Pa, for M100 at ESP 37Pa, for M125/140 at ESP 50Pa. *5 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012. *6 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units. *7 The factory setting of ESP is shown without < >. CO2, over a period

PEA SERIES

The PEA series is a large capacity ceiling-concealed type indoor units which are visually discreet blending into various environments. The PEA model realizes improved energy efficiency with a patented fan called Turbo In Sirocco fan. A wider option of external static pressure up to 250Pa allows authentic ducted air-conditioning with an elegant interior layout. In addition, the PEA series has a separated structure that enables delivery into a narrow space.

PEA-M200/250LA2



The separated structure increases the efficiency of delivery into a narrow space.

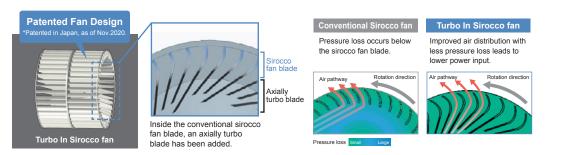
Improved Energy Efficiency

R32 refrigerant with designed fan reduces energy consumption and have resulted in higher energy savings for all capacity ranges.



Low input with Fan Design

The PEA series applies a designed fan; a Turbo In Sirocco fan which realizes high efficiency with a lower power input. The design is Mitsubishi Electric's patented technology with a combination of turbo fan inside the sirocco fan.



Wide range of external static pressure allows flexible duct design

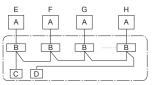
250Pa setting is newly added enabling total of five static pressure level. The ability to select additional static pressure enables long duct and more freedom in design.

PEA-M200/250LA2 75/<100>/<150>/<200>/<250> Pa

The factory setting of external static pressure is shown without brackets (< >). Refer to "Fan characteristics curves" according to the external static pressure, in the DATA BOOK for the usable range of airflow rate.

PAR-41MAA Group Control

The PAR-41MAA remote controller can control up to 16 systems as a group, and is ideal for supporting the integrated management of building air conditioners.



- Outdoor unit A B Indoor unit Main remote controller С
- D
- Subordinate remote controller Standard (Refrigerant address = 00) Refrigerant address = 01 Refrigerant address = 02 F
- Refrigerant address = 15





| туре | | | | Inverter H | |
|-------------|-----------------------------|-------------------------|---------------------|-----------------------------|-----------------------------|
| Indoor Unit | | | | PEA-M200LA2 | PEA-M250LA2 |
| Dutdoor Ur | | | | PUZ-ZM200YKA2 | PUZ-ZM250YKA2 |
| Refrigerant | *1) | | | R | 32 |
| ower | Source | | | Separate po | ower supply |
| upply | Outdoor(V/Phase/Hz) | | | 400/Th | iree/50 |
| ooling | Capacity | Rated | kW | 19.0 | 22.0 |
| | | Min-Max | kW | 9.2 - 22.4 | 9.9 - 27.0 |
| | Total Input | Rated | kW | 5.757 | 7.213 |
| | EER | | | 3.30 | 3.05 |
| eating | Capacity | Rated | kW | 22.4 | 27.0 |
| | | Min-Max | kW | 7.1 - 25.0 | 7.3 - 31.0 |
| | Total Input | Rated | kW | 6.400 | 7.941 |
| | COP | | | 3.50 | 3.40 |
| perating | Current(Max) | | A | 27.3 | 27.3 |
| | Input [cooling / Heating] | Rated | kW | 0.32 | 0.48 |
| | Operating Current(Max) | | A | 4.8 | 4.8 |
| | Dimensions | H×W×D | mm | 470-137 | 70-1120 |
| | Weight | | kg | 8 | |
| | Air Volume (Lo-Mid-Hi) | Normal airflow mode | m³/min | 42.0-51.0-60.0 | 50.0-61.0-72.0 (75Pa-200Pa) |
| | | | | 42.0 01.0 00.0 | 42.0-51.0-60.0 (250Pa) |
| | | High airflow mode | m ³ /min | 50.0-61.0-72.0 (75Pa-200Pa) | 58.0-72.0-84.0 (75Pa-150Pa) |
| | | | | 42.0-51.0-60.0 (250Pa) | 50.0-61.0-72.0 (200Pa) |
| | | | | | 42.0-51.0-60.0 (250Pa) |
| | External Static Pressure | | Pa | 75/(100)/(150 | |
| | Sound Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 34.5-39.0-43.0 | 37.5-42.0-46.0 |
| | Sound Level (PWL) | | dB(A) | 63.0-64.0-64.0 | 67.0-67.0-68.0 |
| | Dimensions | H × W × D | mm | 1338-1050-330(+40) | 1338-1050-330(+40) |
| | Weight | | kg | 137 | 138 |
| | Air Volume | Cooling | m³/min | 140 | 140 |
| | | Heating | m³/min | 140 | 140 |
| | Sound Level (SPL) | Cooling | dB(A) | 59 | 59 |
| | | Heating | dB(A) | 62 | 62 |
| | Sound Level (PWL) | Cooling | dB(A) | 77 | 77 |
| | Operating Current(Max) | | A | 22.5 | 22.5 |
| | Breaker Size | | A | 32 | 32 |
| | Diameter ^(*3) | Liquid/Gas | mm | 9.52 / 25.4 | 12.7 / 25.4 |
| | Max.Length | Out-In | m | 100 | 100 |
| | Max.Height | Out-In | m | 30 | 30 |
| luarantee | d Operating Range (Outdoor) | Cooling ^(*2) | °C | -15 ~ 46 | -15 ~ 46 |
| | | Heating | °C | -20 ~ 21 | -20 ~ 21 |

1 20 2 1 20 2



| Туре | | | | Inverter H | eat Pump |
|------------|------------------------------|-------------------------|--------|---|---|
| Indoor Un | it | | | PEA-M200LA2 | PEA-M250LA2 |
| Outdoor L | | | | PUZ-M200YKA2 | PUZ-M250YKA2 |
| Refrigerar | t ^(*1) | | | Ra | 2 |
| Power | Source | | | Separate po | |
| Supply | Outdoor(V/Phase/Hz) | | | 400/Th | ree/50 |
| Cooling | Capacity | Rated | kW | 19.0 | 22.0 |
| | | Min-Max | kW | 9.2 - 22.4 | 9.9 - 27.0 |
| | Total Input | Rated | kW | 6.089 | 7.333 |
| | EER | | | 3.12 | 3.00 |
| Heating | Capacity | Rated | kW | 22.4 | 27.0 |
| | 11 | Min-Max | kW | 6.8 - 25.0 | 7.3 - 31.0 |
| | Total Input | Rated | kW | 6.588 | 8.181 |
| | COP | | | 3.40 | 3.30 |
| Operating | Current(Max) | | A | 27.3 | 27.3 |
| Indoor | Input [cooling / Heating] | Rated | kW | 0.32 | 0.48 |
| Unit | Operating Current(Max) | | A | 4.8 | 4.8 |
| | Dimensions | H×W×D | mm | 470-137 | |
| | Weight | - | kg | 8 | |
| | Air Volume (Lo-Mid-Hi) | Normal airflow mode | m³/min | 42.0-51.0-60.0 | 50.0-61.0-72.0 (75Pa-200Pa) 42.0-51.0-60.0 (250Pa) |
| | | High airflow mode | m³/min | 50.0-61.0-72.0 (75Pa-200Pa) 42.0-51.0-60.0 (250Pa) | 58.0-72.0-84.0 (75Pa-150Pa) 50.0-61.0-72.0 (200Pa) 42.0-51.0-60.0 (250Pa) |
| | External Static Pressure | | Pa | 75/(100)/(150 | |
| | Sound Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 34.5-39.0-43.0 | 37.5-42.0-46.0 |
| | Sound Level (PWL) | | dB(A) | 63.0-64.0-64.0 | 67.0-67.0-68.0 |
| Outdoor | Dimensions | H × W × D | mm | 1338-1050-330(+40) | 1338-1050-330(+40) |
| Unit | Weight | | kg | 129 | 138 |
| | Air Volume | Cooling | m³/min | 140 | 140 |
| | | Heating | m³/min | 140 | 140 |
| | Sound Level (SPL) | Cooling | dB(A) | 58 | 59 |
| | | Heating | dB(A) | 60 | 62 |
| | Sound Level (PWL) | Cooling | dB(A) | 78 | 77 |
| | Operating Current(Max) | | A | 22.5 | 22.5 |
| | Breaker Size | | A | 32 | 32 |
| Ext.Piping | Diameter ^(*3) | Liquid/Gas | mm | 9.52 / 25.4 | 12.7 / 25.4 |
| | Max.Length | Out-In | m | 70 | 70 |
| | Max.Height | Out-In | m | 30 | 30 |
| Guarante | ed Operating Range (Outdoor) | Cooling ^(*2) | °C | -15 ~ 46 | -15 ~ 46 |
| | | Heating | °C | -20 ~ 21 | -20 ~ 21 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.
*2 Optional air protection guide is required where ambient temperature is lower than -5⁶C.
*3 Joint pipe is required depending on installed refrigerant pipes, outdoor units.



New Design (M35-50)

A sharp and simple form that combines beauty and function. The simple square design harmonizes beautifully with the straight lines created by the intersection of the walls, floor and ceiling of the space, leading to a better quality of space. Also adopted a new white body color. It will make your life and space beautiful and comfortable without disturbing the atmosphere of the room. In addition, we realized miniaturization of conventional model. It contributes to space saving of installation area and giving room to room space.



New Wireless Remote Controller Included

The PKA-KAL2 series wireless remote controller has been updated. It now comes with a new stylish remote controller that fits comfortably in your hand and has a wide range of useful functions.



Quietness (M35-50)

The noise level has been signifi-

cantly reduced compared to the

conventional model by reviewing

the unit structure and improving

36dB

M35

HA(L)

4

34dB

M35

LA(L)

the line flow fan.

PKA-M35/50

SPL[Lo]

Previous model

Main Functions of new Wireless Remote Controller •Weekly Timer •Backlight •Dual set point •Battery replacement sign etc...

36dB

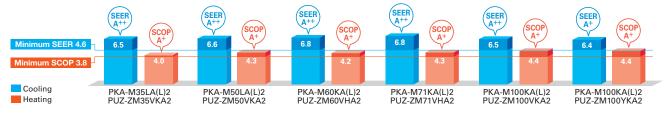
M50 HA(L) . 34dB

M50

LA(L

ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A⁺ and A⁺⁺

Highly efficient indoor unit heat exchangers and and newly designed power inverters (PUHZ-ZM) contribute to an amazing reduction in electricity consumption throughout a year, and have resulted in models in the full-capacity range attaining the rank A, A⁺ and A⁺⁺ energy savings rating.



Airflow Control – Horizontal Airflow – (M35-50)

Significantly improved airflow control to achieve horizontal airflow. This reduces the feeling of draft even on a wall-mounted model, and air conditioning the indoor space firmly.

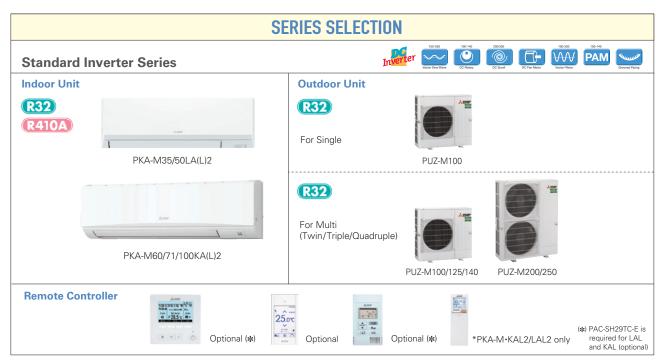
Airflow distributions

PKA-M50LA <Cooling mode> Horizontal airflow [m/s] 2 3:0 0.5 25 2:0 -1.5 0.2-1:0 E Height (0 0 2 Floor distance (m)



PKA-M LA(L)2/KA(L)2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | Outd | oor Ui | nit Cap | pacity | | | | | | | | |
|-------------------------|------|------|------|------|---------|-----|-----|-----|------|--------|---------|--------|------|------------------|-----|------|--------|------|--------|-------------|
| Indoor Unit Combination | | | | Fo | or Sing | le | | | | | | For | Twin | | | F | orTrip | le | For Qu | adruple |
| | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Power Inverter (PUZ-ZM) | 35x1 | 50x1 | 60x1 | 71x1 | 100x1 | - | - | - | - | 35x2 | 50x2 | 60x2 | 71x2 | 100x2 | - | 50x3 | 60x3 | 71x3 | 50x4 | 60x4 |
| Distribution Pipe | - | - | - | - | - | - | - | - | - | N | ISDD- | 50TR2- | -E | MSDD- 50WR2-E | - | MSI | DT-111 | R3-Е | | DF- R2-E |



PKA-M LA(L)2/KA(L)2 Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | Outdoor Unit Capacity | | | | | | | | | | | | | | | | | | | |
|-------|-----------------------|--|---|---|----|---------|----|---|---|-----|---------|------|-------|------|------------------|-----|-----------|--------|------|---------------|-------------|
| Indoc | or Unit Combination | | | | Fo | or Sing | le | | | | ForTwin | | | | | | ForTriple | | | For Quadruple | |
| | | 35 50 60 71 100 125 140 200 250 71 100 125 1 | | | | | | | | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 | | | | |
| Stand | dard Inverter (PUZ-M) | - | - | - | - | 100x1 | - | - | - | - | - | 50x2 | 60x2 | 71x2 | 100x2 | - | 50x3 | 60x3 | 71x3 | 50x4 | 60×4 |
| | Distribution Pipe | - | - | - | - | - | - | - | - | - | - | MSD | D-50T | R2-E | MSDD- 50WR2-E | - | MSI | DT-111 | R3-E | | DF- R2-E |

| PKA-M SERIES | Demand Control come | Check State Control Co |
|----------------|---------------------------|--|
| POWER INVERTER | Wi-Fi)) Interface | Wiring Drain Pump Fore Down Connection Failure Recall |
| Type | | Inverter Heat Pump |

| | | | | | Inverter F | leat Pump | | |
|---|---------------------------------|--|--|--|---|--|---|---|
| | | | PKA-M35LA(L)2 | PKA-M50LA(L)2 | PKA-M60KA(L)2 | PKA-M71KA(L)2 | PKA-M100KA(L)2 | PKA-M100KA(L)2 |
| | | | PUZ-ZM35VKA2 | PUZ-ZM50VKA2 | PUZ-ZM60VHA2 | PUZ-ZM71VHA2 | PUZ-ZM100VKA2 | PUZ-ZM100YKA2 |
| | | | | | | 32 | | |
| ce | | | | | | ower supply | | |
| oor(V/Phase/Hz) | | | | | | 50, YKA:400/Three/50 | | |
| pacity | Rated | kW | 3.6 | 4.6 | 6.1 | 7.1 | 9.5 | 9.5 |
| pacity | Min-Max | kW | 1.6 - 4.5 | 2.3 - 5.6 | 2.7 - 6.7 | 3.3 - 8.1 | 4.9 - 11.4 | 4.9 - 11.4 |
| tal Input | Rated | kW | 0.857 | | 1.560 | 1.863 | 2.435 | |
| R | nated | KVV | 4.20 | 1.239 | | | | 2.435 |
| | | | | 3.71 | 3.91 | 3.81 | 3.90 | 3.90 |
| sign load | | kW | 3.6 | 4.6 | 6.1 | 7.1 | 9.5 | 9.5 |
| nual electricity consum | nption (*2) | kWh/a | 194 | 244 | 314 | 365 | 508 | 519 |
| ER ^(*4) | | | 6.5 | 6.6 | 6.8 | 6.8 | 6.5 | 6.4 |
| | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ |
| pacity | Rated | kW | 4.1 | 5.0 | 7.0 | 8.0 | 11.2 | 11.2 |
| | Min-Max | kW | 1.6 - 5.2 | 2.5 - 7.0 | 2.8 - 8.2 | 3.5 - 10.2 | 4.5 - 14.0 | 4.5 - 14.0 |
| tal Input | Rated | kW | 1.040 | 1.344 | 1.732 | 2.116 | 3.102 | 3.102 |
| P | | | 3.94 | 3.72 | 4.04 | 3.78 | 3.61 | 3.61 |
| sign load | | kW | 2.4 | 3.3 | 4.4 | 4.7 | 7.8 | 7.8 |
| clared Capacity | at reference design temperature | kW | 2.4 (-10°C) | 3.3 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) |
| , | at bivalent temperature | kW | 2.4 (-10°C) | 3.3 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) |
| | | kW | 2.2 (-11°C) | 3.2 (-11°C) | 2.8 (-20°C) | 3.4 (-20°C) | 5.8 (-20°C) | 5.8 (-20°C) |
| ck up heating capacity | at operation innet temperature | kW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| nual electricity consum | antion (*2) | kWh/a | 829 | 1074 | 1464 | 1530 | 2477 | 2478 |
| OP(*4) | iption | K V VII/a | 4.0 | 4.3 | 4.2 | 4.3 | 4.4 | 4.4 |
| OP | Energy efficiency class | | 4.0 A+ | 4.3 A+ | 4.2 A+ | 4.3 A+ | 4.4 A+ | 4.4 A+ |
| (8.4.) | Energy emiciency class | | | 13.4 | | | 20.6 | |
| ent(Max) | | A | 13.4 | | 19.4 | 19.4 | | 8.6 |
| t [cooling / Heating] | Rated | kW | 0.04 / 0.03 | 0.04 / 0.03 | 0.06 / 0.05 | 0.06 / 0.05 | 0.08/0.07 | 0.08 / 0.07 |
| ating Current(Max) | 100000 | A | 0.35 | 0.35 | 0.43 | 0.43 | 0.57 | 0.57 |
| ensions | H*W*D | mm | 299-898-237 | 299-898-237 | 365-1170-295 | 365-1170-295 | 365-1170-295 | 365-1170-295 |
| ht | | kg | 12.6 | 12.6 | 21 | 21 | 21 | 21 |
| olume (Lo-Mi2-Mi1-Hi) | | m³/min | 7.5-8.2-9.2-10.9 | 7.5-8.2-9.2-10.9 | 18-20-22 | 18-20-22 | 20-23-26 | 20-23-26 |
| nd Level (Lo-Mi2-Mi1-Hi | i) (SPL) | dB(A) | 34-37-40-43 | 34-37-40-43 | 39-42-45 | 39-42-45 | 41-45-49 | 41-45-49 |
| d Level (PWL) | | dB(A) | 60 | 60 | 64 | 64 | 65 | 65 |
| ensions | H*W*D | mm | 630-809-300 | 630-809-300 | 943-950-330(+25) | 943-950-330(+25) | 1338-1050-330(+40) | 1338-1050-330(+4) |
| ht | | kg | 46 | 46 | 67 | 67 | 105 | 111 |
| olume | Cooling | m³/min | 45 | 45 | 55 | 55 | 110 | 110 |
| | Heating | m³/min | 45 | 45 | 55 | 55 | 110 | 110 |
| d Level (SPL) | Cooling | dB(A) | 44 | 44 | 47 | 47 | 49 | 49 |
| | Heating | dB(A) | 46 | 46 | 49 | 49 | 51 | 51 |
| d Level (PWL) | Cooling | dB(A) | 65 | 65 | 67 | 67 | 69 | 69 |
| ating Current(Max) | | A | 13 | 13 | 19 | 19 | 20 | 8 |
| ker Size | | A | 16 | 16 | 25 | 25 | 32 | 16 |
| | Liquid/Gas | mm | | | | | | 9.52 / 15.88 |
| | | | | | | | | 100 |
| | | | | | | | | 30 |
| | | | | | | | | |
| erating hange (Outdoor | | | | | | | | -15 ~ +46 -20 ~ +21 |
| eter ^(*5) Length Height erating R | lange (Outdoor | Liquid/Gas Out-In Out-In tange (Outdoor) Cooling ^(*a) Heating | Out-In m Out-In m tange (Outdoor) Cooling ^{rog} °C Heating °C | Out-In m 50 Out-In m 30 Cooling**9 °C -15 ~ +46 Heating °C -11 ~ +21 | Out-In m 50 50 Out-In m 30 30 30 Cooling ¹⁷⁰ °C -15 ~ +46 -15 ~ +46 Heating °C -11 ~ +21 -11 ~ +21 | Out-In m 50 50 55 Out-In m 30 30 30 Cooling*** °C -15 ~ +46 -15 ~ +46 -15 ~ +46 Heating °C -11 ~ +21 -20 ~ +21 -20 ~ +21 | Out-In m 50 50 55 55 Out-In m 30 30 30 30 30 tange (Outdoor) Cooling ^{*30} °C -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 Heating °C -11 ~ +21 -20 ~ +21 -20 ~ +21 -20 ~ +21 | Out-In m 50 50 55 100 Out-In m 30 30 30 30 30 Cooling ¹⁰ °C -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 -15 ~ +46 Heating °C -11 ~ +21 -20 ~ +21 -20 ~ +21 -20 ~ +21 -20 ~ +21 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or diassemble the product vorself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report. *2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located. *3 Optional in protection guide is required where ambient temperature is lower than -5°C. *4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012. *5 Joint pipe is required depending on installed refrigerant pipes, outdoor units.

| PKA-M SERIES | Demand Control Operand Operand | | aco 55 Auto Restart Low Temp Silent € Ampere Back-up Cooling Silent € Limit Back-up | Control Optional |
|-------------------|---|--|---|---------------------|
| STANDARD INVERTER | Wi-Fi)) Interface Costonal | Wiring Reuse Optional Drain Lift Up Optional Optional Connection | Set Recall | |

| Туре | | | | Inverter H | eat Pump |
|----------------------------|----------------------------|---------------------------------|--------|---------------------|----------------------|
| ndoor Unit | | | | | 00KA(L)2 |
| utdoor Unit | | | | PUZ-M100VKA2 | PUZ-M100YKA2 |
| efrigerant ^(*1) | | | | | 32 |
| | urce | | | | wer supply |
| | tdoor(V/Phase/Hz) | | | VKA+VHA:230/Single/ | 50, YKA:400/Three/50 |
| ooling 0 | Capacity | Rated | kW | 9.5 | 9.5 |
| | | Min-Max | kW | 4.0 - 10.6 | 4.0 - 10.6 |
| | Total Input | Rated | kW | 2.941 | 2.941 |
| Ē | EER | | | 3.23 | 3.23 |
| | Design load | | kW | 9.5 | 9.5 |
| | Annual electricity consump | tion (*2) | kWh/a | 573 | 573 |
| 5 | SEER ^(*4) | | | 5.8 | 5.8 |
| | | Energy efficiency class | | A+ | A+ |
| eating (| Capacity | | kW | 11.2 | 11.2 |
| | | | kW | 2.8 - 12.5 | 2.8 - 12.5 |
| | Total Input | Rated | kW | 3.284 | 3.284 |
| 0 | COP | | | 3.41 | 3.41 |
| | Design load | | kW | 8.0 | 8.0 |
| | Declared Capacity | at reference design temperature | kW | 6.0 (-10°C) | 6.0 (-10°C) |
| | | at bivalent temperature | kW | 7.0 (-7°C) | 7.0 (-7°C) |
| | | at operation limit temperature | kW | 4.5 (-15°C) | 4.5 (-15°C) |
| Ē | Back up heating capacity | | kW | 2.0 | 2.0 |
| 4 | Annual electricity consump | tion (*2) | kWh/a | 2780 | 2780 |
| 5 | SCOP ^(*4) | | | 4.0 | 4.0 |
| | | Energy efficiency class | | A+ | A+ |
| perating Cu | rrent(Max) | | A | 20.6 | 12.1 |
| door Inp | out [cooling / Heating] | Rated | kW | 0.08 / 0.07 | 0.08 / 0.07 |
| nit Op | perating Current(Max) | | A | 0.57 | 0.57 |
| Dir | mensions | H*W*D | mm | 365-1170-295 | 365-1170-295 |
| | eight | | kg | 21 | 21 |
| | r Volume (Lo-Mi2-Mi1-Hi) | | m³/min | 20-23-26 | 20-23-26 |
| | und Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 41-45-49 | 41-45-49 |
| | und Level (PWL) | | dB(A) | 65 | 65 |
| | mensions | H*W*D | mm | 981-1050-330 (+40) | 981-1050-330(+40) |
| | eight | | kg | 76 | 78 |
| Air | r Volume | Cooling | m³/min | 79 | 79 |
| | | Heating | m³/min | 79 | 79 |
| So | und Level (SPL) | Cooling | dB(A) | 51 | 51 |
| | | Heating | dB(A) | 54 | 54 |
| | und Level (PWL) | Cooling | dB(A) | 70 | 70 |
| | perating Current(Max) | | A | 20.0 | 11.5 |
| | eaker Size | | A | 32 | 16 |
| t.Piping Dia | | Liquid/Gas | mm | 9.52 / 15.88 | 9.52 / 15.88 |
| | ax.Length | Out-In | m | 55 | 55 |
| Ma | ax.Height | Out-In | m | 30 | 30 |
| uaranteed C | Operating Range (Outdoor) | Cooling ^(*3) | °C | -15 ~ +46 | -15 ~ +46 |
| | | | °C | -15 ~ +21 | -15 ~ +21 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP; if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or diassemble the product vourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report. *2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located. *3 Optional air protection guide is required where ambient temperature is lower than -5°C. *5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.



Stylish Indoor Unit Design

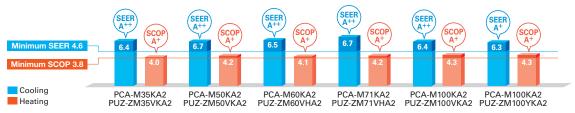
A stylish square-like design is adopted for the indoor units of all models. As a result, the units blend in better with the ceiling.





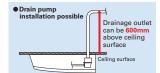
ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

A direct-current (DC) fan motor is isntalled in the indoor unit, increasing the seasonal energy efficiency of newly designed Power Inverter series (PUHZ-ZM) and resulting in the full capacity models comply ErP Lot 10 with energy ranking A+/A++ for cooling and A/A+ for heating. This contribute to an impressive reduction in the cost of annual electricity.



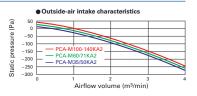
Optional Drain Pump for Full-capacity Models

The pumping height of the optional drain pump has been increased from 400mm to 600mm, expanding flexibility in choosing unit location during installation work.



Outside-air Intake

Units are equipped with a knock-out hole that enables the induction of fresh outside-air.



Equipped with High- /Low-ceiling Modes

Units are equipped with high- and low-ceiling operation modes that make it possible to switch the airflow volume to match room height. The ability to choose the optimum airflow volume makes it possible to optimize the breezy sensation felt throughout the room.

| Capacity | High ceiling | Standard ceiling | Low ceiling |
|----------|-----------------|------------------|----------------|
| 35 | 3.5m | 2.7m | 2.5m |
| 50 | 3.5m | 2.7m | 2.5m |
| 60 | 3.5m | 2.7m | 2.5m |
| 71 | 3.5m | 2.7m | 2.5m |
| 100 | 4.2m | 3.0m | 2.6m |
| 125 | 4.2m | 3.0m | 2.6m |
| 140 | 4.2m | 3.0m | 2.6m |

Equipped with Automatic Air-speed Adjustment

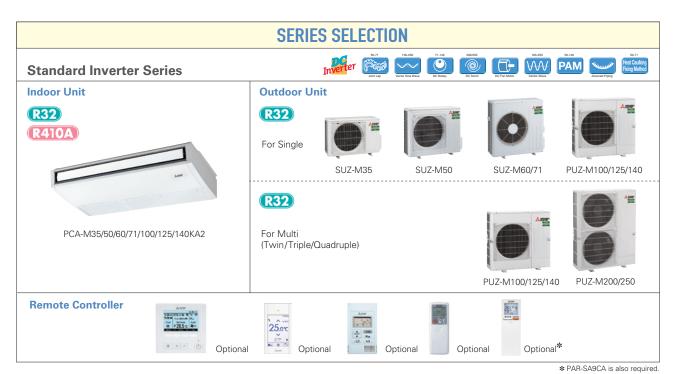
In addition to the conventional 4-speed setting, units are now equipped with an automatic air-speed adjustment mode. This setting automatically adjusts the air-speed to conditions that match the room environment. At the start of heating/cooling operation, the airflow is set to high-speed to quickly heat/cool the room. When the room temperature reaches the desired setting, the airflow speed is decreased automatically for stable comfortable heating/cooling operation.



| | SERIES SELECTION |
|---------------------------------|---|
| Power Inverter Series | Solution Solution |
| Indoor Unit | Outdoor Unit |
| R32 R410A | For Single |
| | PUZ-ZM35/50 PUZ-ZM60/71 PUZ-ZM100/125/140 |
| PCA-M35/50/60/71/100/125/140KA2 | For Multi (Twin/Triple/Quadruple) |
| Remote Controller | PUZ-ZM71 PUZ-ZM100/125/140/200/250 |

PCA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | | Outd | oor Ur | nit Cap | pacity | | | | | | | | |
|--------|-------------------|------|------|------|------|---------|-------|-------|-----|--|--------|---------|--------|------|-------|-------|-------------|------|------|---------------|------|
| Indoor | Unit Combination | | | | Fo | or Sing | gle | | | | | | For | Twin | | | ForTriple | | | For Quadruple | |
| | | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Power | Inverter (PUZ-ZM) | 35x1 | 50x1 | 60x1 | 71x1 | 100x1 | 125x1 | 140x1 | - | - | 35x2 | 50x2 | 60×2 | 71x2 | 100x2 | 125x2 | 50x3 | 60x3 | 71x3 | 50x4 | 60x4 |
| | Distribution Pipe | - | - | - | - | - | - | - | - | - – MSDD-50TR2-E MSDD- 50WR2-E MSDT-111R3-E | | | | | R3-E | | DF- R2-E | | | | |



PCA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | | Outd | oor U | nit Cap | oacity | | | | | | | | | |
|--------|--------------------------|------|------|------|------|---------|-------|-------|-----|------|---------|---------|--------|------|-----------|-------------|------|-----------|------|-------------|---------------|--|
| Indooi | r Unit Combination | | | | Fo | or Sing | le | | | | ForTwin | | | | | | | ForTriple | | | For Quadruple | |
| | | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 | |
| Standa | ard Inverter (PUZ-M&SUZ) | 35x1 | 50x1 | 60x1 | 71x1 | 100x1 | 125x1 | 140x1 | - | - | - | 50x2 | 60×2 | 71x2 | 100x2 | 125x2 | 50x3 | 60x3 | 71x3 | 50x4 | 60x4 | |
| | Distribution Pipe | - | - | - | - | - | - | - | - | - | - | MSD | D-50T | R2-E | MS 50W | DD- R2-E | MSI | DT-111 | R3-Е | MS 11111 | DF- R2-E | |

* PAR-SA9CA is also required.

| | Demand Control | Pure White ∲ | AUTO VANE | Fresh-air Intake | High-efficiency Optional | ng Life Check! | | High Ceiling | Low Ceiling | AUTO | | ¢ ACO | 4 Auto Restart | Low Temp Cooling Silent |
|-----------------|-------------------|---------------------|--------------|------------------|-----------------------------|----------------|-----|-----------------|-----------------|------------------|--------------|------------------|--------------------------|----------------------------|
| PCA-M KA SERIES | Ampere Limit | Rotation Back-up | | Group Control | M-NET Wi- | -Fi)) COMPO | MXZ | Cleaning-free, | Wiring Reuse | Drain Lift Up | Pump Down | Flare connection | Self Diagnosis | Failure Recall |

| Туре | | | | | | | | Inverter H | leat Pump | | | | |
|----------------|--|---------------------------------|---------------------|-------------------|----------------|------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|
| Indoor Un | nit | | | PCA-M35KA2 | PCA-M50KA2 | PCA-M60KA2 | PCA-M71KA2 | PCA-M100KA2 | PCA-M100KA2 | PCA-M125KA2 | PCA-M125KA2 | PCA-M140KA2 | PCA-M140KA2 |
| Outdoor l | Unit | | | PUZ-ZM35VKA2 | PUZ-ZM50VKA2 | PUZ-ZM60VHA2 | | PUZ-ZM100VKA2 | | | | | |
| Refrigerar | nt ^(*1) | | | | | | | R | 32 | | | | |
| Power | Source | | | | | | | Outdoor po | ower supply | | | | |
| Supply | Outdoor(V/Phase/Hz) | | | | | | VKA•V | HA:230/Single | /50, YKA:400/T | hree/50 | | | |
| Cooling | Capacity | Rated | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | 12.5 | 12.5 | 13.4 | 13.4 |
| | | Min-Max | kW | 1.6 - 4.5 | 2.3 - 5.6 | 2.7 - 6.7 | 3.3 - 8.1 | 4.9 - 11.4 | 4.9 - 11.4 | 5.5 - 14.0 | 5.5 - 14.0 | 6.2 - 15.0 | 6.2 - 15.0 |
| | Total Input | Rated | kW | 0.829 | 1.250 | 1.521 | 1.829 | 2.375 | 2.375 | 3.846 | 3.846 | 3.941 | 3.941 |
| | EER | | | 4.34 | 4.00 | 4.01 | 3.88 | 4.00 | 4.00 | 3.25 | 3.25 | 3.40 | 3.40 |
| | Design load | | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | - | - | - | - |
| | Annual electricity consum | ption ^(*2) | kWh/a | 197 | 260 | 328 | 371 | 516 | 527 | - | - | - | - |
| | SEER ^(*4) | | | 6.4 | 6.7 | 6.5 | 6.7 | 6.4 | 6.3 | - | - | - | - |
| | | Energy efficiency class | | A++ | A++ | A++ | A++ | A++ | A++ | - | - | - | - |
| Heating | Capacity | Rated | kW | 4.1 | 5.5 | 7.0 | 8.0 | 11.2 | 11.2 | 14.0 | 14.0 | 16.0 | 16.0 |
| | | Min-Max | kW | 1.6 - 5.2 | 2.5 - 6.6 | 2.8 - 8.2 | 3.5 - 10.2 | 4.5 - 14.0 | 4.5 - 14.0 | 5.0 - 16.0 | 5.0 - 16.0 | 5.7 - 18.0 | 5.7 - 18.0 |
| | Total Input | Rated | kW | 1.019 | 1.361 | 1.745 | 2.156 | 3.018 | 3.018 | 3.954 | 3.954 | 4.432 | 4.432 |
| | СОР | | | 4.02 | 4.04 | 4.01 | 3.71 | 3.71 | 3.71 | 3.54 | 3.54 | 3.61 | 3.61 |
| | Design load | | kW | 2.4 | 3.8 | 4.4 | 4.7 | 7.8 | 7.8 | - | - | - | - |
| | Declared Capacity | at reference design temperature | kW | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - |
| | | at bivalent temperature | kW | 2.4 (-10°C) | 3.8 (-10°C) | 4.4 (-10°C) | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - |
| | | at operation limit temperature | kW | 2.2 (-11°C) | 3.7 (-11°C) | 2.8 (-20°C) | 3.4 (-20°C) | 5.8 (-20°C) | 5.8 (-20°C) | - | - | - | - |
| | Back up heating capacity | - 1741 | kW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | - | - | - | |
| | Annual electricity consum | ption ^(*2) | kWh/a | 838 | 1266 | 1501 | 1567 | 2536 | 2537 | - | - | - | - |
| | SCOP(*4) | F (7) : 1 | | 4.0 | 4.2 | 4.1 | 4.2 | 4.3 | 4.3 | - | - | - | - |
| 0 1 | | Energy efficiency class | 1. | A+ | A+ | A+ | A+ 19.4 | A+ 20.7 | A+ | - | - | - | - |
| | g Current(Max) | | A | 13.3 0.04/0.04 | 13.4 | 19.4 | 0.06 / 0.06 | | 8.7 | 27.3 | 9.8 | 30.9 | 12.7 |
| Indoor Unit | Input [cooling / Heating] Operating Current(Max) | Rated | kW A | 0.04/0.04 | 0.05/0.05 | 0.06 / 0.06 | 0.06/0.06 | 0.09/0.09 | 0.09 / 0.09 | 0.11/0.11 0.76 | 0.11/0.11 0.76 | 0.14/0.14 | 0.14/0.14 |
| Unit | Dimensions | H*W*D | mm | | 0.37 50-680 | | 80-680 | 0.05 | 0.05 | 230-16 | | 0.90 | 0.90 |
| | Weight | | kg | 25 | 26 | 32 | 32 | 37 | 37 | 38 | 38 | 40 | 40 |
| | Air Volume (Lo-Mi2-Mi1-Hi) | | m ³ /min | 10-11-12-14 | 10-11-13-15 | 15-16-17-19 | 16-17-18-20 | 22-24-26-28 | 22-24-26-28 | 23-25-27-29 | 23-25-27-29 | 24-26-29-32 | 24-26-29-32 |
| | Sound Level (Lo-Mi2-Mi1-Hi |) (SPL) | dB(A) | 31-33-36-39 | 32-34-37-40 | 33-35-37-40 | 35-37-39-41 | 37-39-41-43 | 37-39-41-43 | 39-41-43-45 | 39-41-43-45 | 41-43-45-48 | 41-43-45-48 |
| | Sound Level (PWL) | , (- , | dB(A) | 60 | 60 | 60 | 62 | 63 | 63 | 65 | 65 | 68 | 68 |
| Outdoor | Dimensions | H*W*D | mm | 630-809-300 | 630-809-300 | 943-950-330(+25) | 943-950-330(+25) | 1338-1050-330(+40) | 1338-1050-330(+40) | 1338-1050-330(+40) | 1338-1050-330(+40) | 1338-1050-330(+40) | 1338-1050-330(+4 |
| Unit | Weight | | kg | 46 | 46 | 67 | 67 | 105 | 111 | 105 | 114 | 105 | 118 |
| | Air Volume | Cooling | m ³ /min | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | | Heating | m³/min | 45 | 45 | 55 | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | Sound Level (SPL) | Cooling | dB(A) | 44 | 44 | 47 | 47 | 49 | 49 | 50 | 50 | 50 | 50 |
| | | Heating | dB(A) | 46 | 46 | 49 | 49 | 51 | 51 | 52 | 52 | 52 | 52 |
| | Sound Level (PWL) | Cooling | dB(A) | 65 | 65 | 67 | 67 | 69 | 69 | 70 | 70 | 70 | 70 |
| | Operating Current(Max) | | A | 13 | 13 | 19 | 19 | 20 | 8 | 26.5 | 9 | 30 | 11.8 |
| | Breaker Size | | A | 16 | 16 | 25 | 25 | 32 | 16 | 32 | 16 | 40 | 16 |
| Ext.Pipin | g Diameter ^(*5) | Liquid/Gas | mm | 6.35/12.7 | 6.35 / 12.7 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 |
| | Max.Length | Out-In | m | 50 | 50 | 55 | 55 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Max.Height | Out-In | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | eed Operating Range (Outdoor) | Cooling ^(*3) | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| Guarante | eed Operating hange (Outdoor) | Heating | °C | -11 ~ +21 | -11 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant with the refrigerant with with the refrigerant wi

| | Demand Control Optional | | High-efficiency Optional | Check! SMING High Check! | | Acco Auto Restart Cooling Silent |
|-----------------|-------------------------------|------------------|-----------------------------|-----------------------------|-----------------------------|--|
| PCA-M KA SERIES | Ampere Limit Back-up | Group Control | M-NET Wi-Fi が Interface | COMPO MXZ | Wiring Reuse Lift Up Dow | p Fare connection Diagnosis Failure Recall |

| Туре | | | | | | | | Inverter H | leat Pump | | | | |
|------------|--|---------------------------------|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Indoor Un | it | | | PCA-M35KA2 | PCA-M50KA2 | PCA-M60KA2 | PCA-M71KA2 | PCA-M100KA2 | | PCA-M125KA2 | PCA-M125KA2 | PCA-M140KA2 | PCA-M140KA2 |
| Outdoor L | | | | | | | | PUZ-M100VKA2 | | | | | |
| Refrigerar | | | | 002 1000 VA | 002100007 | 002 M004A | 002 W/ WA | | 32 | 102101200002 | 102101201042 | 1 02 10114011042 | 1102 1114011042 |
| Power | Source | | | | | | | | ower supply | | | | |
| Supply | Outdoor(V/Phase/Hz) | | | | | | \/^•// | KA:230/Single/ | | vroo/50 | | | |
| Cooling | Capacity | Rated | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | 12.1 | 12.1 | 13.4 | 13.4 |
| ocoming | oupdeity | Min-Max | kW | 0.8 - 3.9 | 1.5 - 5.6 | 1.6 - 6.3 | 2.2 - 8.1 | 4.0 - 10.6 | 4.0 - 10.6 | 5.7 - 13.0 | 5.7 - 13.0 | 5.7 - 14.1 | 5.7 - 14.1 |
| | Total Input | Rated | kW | 0.900 | 1.515 | 1.648 | 1.972 | 2.941 | 2.941 | 4.019 | 4.019 | 5.360 | 5.360 |
| | EER | | | 4.00 | 3.30 | 3.70 | 3.60 | 3.23 | 3.23 | 3.01 | 3.01 | 2.50 | 2.50 |
| | Design load | | kW | 3.6 | 5.0 | 6.1 | 7.1 | 9.5 | 9.5 | - | - | | - |
| | Annual electricity consump | otion (*2) | kWh/a | 198 | 291 | 333 | 381 | 553 | 553 | - | - | - | - |
| | SEER (*4) | | | 6.3 | 6.0 | 6.4 | 6.5 | 6.0 | 6.0 | - | - | - | - |
| | | Energy efficiency class | | A++ | A+ | A++ | A++ | A+ | A+ | - | - | - | - |
| Heating | Capacity | Rated | kW | 4.1 | 6.0 | 7.0 | 8.0 | 11.2 | 11.2 | 13.5 | 13.5 | 15.0 | 15.0 |
| | | Min-Max | kW | 1.0 - 5.0 | 1.5 - 7.2 | 1.6 - 8.0 | 2.0 - 10.2 | 2.8 - 12.5 | 2.8 - 12.5 | 4.1 - 15.0 | 4.1 - 15.0 | 4.2 - 15.8 | 4.2 - 15.8 |
| | Total Input | Rated | kW | 1.025 | 1.617 | 1.750 | 2.216 | 3.284 | 3.284 | 3.958 | 3.958 | 4.285 | 4.285 |
| | COP | | | 4.00 | 3.71 | 4.00 | 3.61 | 3.41 | 3.41 | 3.41 | 3.41 | 3.50 | 3.50 |
| | Design load | | kW | 2.6 | 4.3 | 4.6 | 5.8 | 8.0 | 8.0 | - | - | - | - |
| | Declared Capacity | at reference design temperature | kW | 2.3 (-10°C) | 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | 6.0 (-10°C) | 6.0 (-10°C) | - | - | | - |
| | | at bivalent temperature | kW | 2.3 (-7°C) | 3.8 (-7°C) | 4.1 (-7°C) | 5.2 (-7°C) | 7.0 (-7°C) | 7.0 (-7°C) | - | - | - | - |
| | | at operation limit temperature | kW | 2.3 (-10°C) | 3.8 (-10°C) | 4.1 (-10°C) | 5.2 (-10°C) | 4.5 (-15°C) | 4.5 (-15°C) | - | - | - | - |
| | Back up heating capacity | | kW | 0.3 | 0.5 | 0.5 | 0.6 | 2.0 | 2.0 | - | | | - |
| | Annual electricity consumption ^(*2) SCOP ^(*4) | | | 910 | 1458 | 1558 | 1974 | 2729 | 2729 | - | - | - | - |
| | | | | 4.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | - | - | - | - |
| | | Energy efficiency class | | A+ | A+ | A+ | A+ | A+ | A+ | - | - | | - |
| Operating | Current(Max) | | A | 8.8 | 13.9 | 15.2 | 15.2 | 20.7 | 12.2 | 27.3 | 12.3 | 30.9 | 12.4 |
| Indoor | Input [cooling / Heating] | Rated | kW | 0.04/0.04 | 0.05/0.05 | 0.06 / 0.06 | 0.06/0.06 | 0.09/0.09 | 0.09/0.09 | 0.11/0.11 | 0.11/0.11 | 0.14/0.14 | 0.14/0.14 |
| Unit | Operating Current(Max) | • | A | 0.29 | 0.37 | 0.39 | 0.42 | 0.65 | 0.65 | 0.76 | 0.76 | 0.90 | 0.90 |
| | Dimensions | H*W*D | mm | | 60-680 | | 80-680 | | | 230-16 | | | |
| | Weight | | kg | 25 | 26 | 32 | 32 | 37 | 37 | 38 | 38 | 40 | 40 |
| | Air Volume (Lo-Mi2-Mi1-Hi) | | m³/min | 10-11-12-14 | 10-11-13-15 | 15-16-17-19 | 16-17-18-20 | 22-24-26-28 | 22-24-26-28 | 23-25-27-29 | 23-25-27-29 | 24-26-29-32 | 24-26-29-32 |
| | Sound Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 31-33-36-39 | | 33-35-37-40 | 35-37-39-41 | 37-39-41-43 | 37-39-41-43 | 39-41-43-45 | 39-41-43-45 | 41-43-45-48 | |
| | Sound Level (PWL) | | dB(A) | 60 | 60 | 60 | 62 | 63 | 63 | 65 | 65 | 68 | 68 |
| Outdoor | Dimensions | H*W*D | mm | 550-800-285 | 714-800-285 | 880-840-330 | | 981-1050-330(+40) | | | | | |
| Unit | Weight | la | kg | 35 | 41 | 54 | 55 | 76 | 78 | 84 | 85 | 84 | 85 |
| | Air Volume | Cooling | m³/min | 34.3 | 45.8 | 50.1 | 50.1 | 79 | 79 | 86 | 86 | 86 | 86 |
| | Council Louis (CDL) | Heating | m ³ /min | 32.7 | 43.7 | 50.1 | 50.1 | 79 | 79 | 92 | 92 | 92 | 92 |
| | Sound Level (SPL) | Cooling | dB(A) | 48 | 48 | 49 | 49 | 51 | 51 | 54 | 54 | 55 | 55 |
| | Sound Level (PWL) | Heating | dB(A) | 48 | 49 | 51 | 51 | 54 | 54 | 56 | 56 | 57 | 57 |
| | | Cooling | dB(A) A | 59 | 64 | 65 | 66 | 70 | 70 | 72 | 72 | 73 | 73 |
| | Operating Current(Max) | | A | 8.5 | 13.5 | 14.8 | 14.8 | 20 | 11.5 | 26.5 | 11.5 | 30 40 | 11.5 |
| E / D' ' | Breaker Size | 1 | | 10 | 20 | 20 | 20 | 32 | 16 | 32 | 16 | | 16 |
| Ext.Piping | Diameter ^(*5) | Liquid/Gas | mm | 6.35/9.52 | 6.35 / 12.7 | 6.35 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | |
| | Max.Length | Out-In | m | 20 | 30 | 30 | 30 | 55 | 55 | 65 | 65 | 65 | 65 |
| <u> </u> | Max.Height | Out-In | m | 12 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Guarante | ed Operating Range (Outdoor) | Cooling ^(*3) | °C | -10 ~ +46 -10 ~ +24 | -15 ~ +46 -15 ~ +21 |
| | Heating °C | | | | | | | | | | | | |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yousrelf or diassemble the product vourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.
*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
*3 Optional is protection guide is required where ambient temperature is lower than -8°C.
*4 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.
*5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.



Tough on Oily Smoke

A durable stainless steel casing that is resistant to oil and grease is provided to protect the surface of the body. Grimy dirt and stains are removed easily, enabling the unit to be kept clean at all times.

High-performance Oil Mist Filter

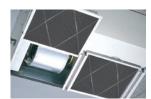
A high-performance heavy-duty oil mist filter is included as standard equipment. The filtering system is more efficient than conventional filters, thereby effectively reducing the oily smoke entering the air conditioner. The filter is disposable, thereby enabling trouble-free cleaning and maintenance.

Oil Mist Filter Cleaning

When used in kitchens, the oil mist filter should be replaced once every two months. The system comes with 12 filters elements. After these have been used, optional elements (PAC-SG38KFE) can be purchased.



Oil mist filter



Pull the handle to easily slide the filter out

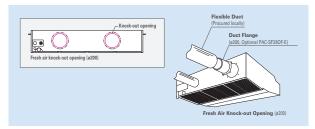
Easy Maintenance – Even for Cleaning the Fan

A separate fan casing that can be disassembled in sections is adopted to ensure easy fan cleaning. Drain pan cleaning onsite is also no problem owing to the use of a pipe connector that is easily removed.



Fresh Outside-air Intake (Option)

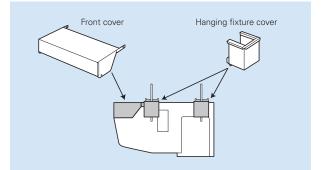
There is a knock-out opening on the rear panel of the unit that can be used to bring fresh air into the unit. This helps to improve ventilation and make the kitchen comfortable.



Notes: 1) A fresh-air duct flange is required (sold separately) 2) Intake air is not 100% fresh (outside) air.

Cosmetic Front and Hanging Fixture Covers (Option)

Cosmetic covers are available to prevent the collection of dust and grime on the main body and hanging fixture sections.



| | SERIES SELECTION | | | | | | | | | | | | | |
|-----------------------|----------------------------|----------|------------------|----------------------|--------------|-----------------------|--------|-------------------|-----------------|--|--|--|--|--|
| Power Inverter Series | | Inverter | Vector Sine Ways | 100-250 DC Seroll | DC Fan Motor | Vector-Wave | PAM | Power Receiver | Crocoved Piping | | | | | |
| Indoor Unit | Outdoor Unit | | | 1 | Re | emote (| Contro | ller | | | | | | |
| R32 | R32 | | | - | | Aner Veropre state | | - | Anne | | | | | |
| R410A | For Single | | PUZ-ZM | 71 | | Optional | | 25.oc | Optional | | | | | |
| | R32 | | 0 | 4 | - | | | opuonai | Optional | | | | | |
| PCA-M71HA2 | For Multi (Twin/Triple) | | PUZ-ZM14 | 10/250 | | Optional* | | | | | | | | |

* PAR-SA9CA is also required.

PCA-M HA Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | Outd | oor Ui | nit Cap | pacity | | | | | | | | |
|-------------------------|----|----|----|------|---------|-----|-----|-----|------|--------|---------|--------|------------------|-----|-----|-----|--------|------------------|--------|---------|
| Indoor Unit Combination | | | | Fo | or Sing | le | | | | | | For | Twin | | | F | orTrip | le | For Qu | adruple |
| | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Power Inverter (PUZ-ZM) | - | - | - | 71x1 | - | - | - | - | - | - | - | - | 71x2 | - | - | - | - | 71x3 | - | - |
| Distribution Pipe | - | - | - | - | - | - | - | - | - | - | - | - | MSDD- 50TR2-E | - | - | - | - | MSDT- 111R3-E | - | - |

| | SE | RIES SELECTION | | |
|-----------------------|----------------------------|-----------------|-------------------|-------------------|
| Power Inverter Series | | | DC Fun Meter | For Crossed Pains |
| ndoor Unit | Outdoor Unit | | Remote Controller | |
| R32 R410A | For Single | PUHZ-ZRP71 | Optional Optional | Optional |
| PCA-M71HA2 | For Multi (Twin/Triple) | | Optional* | |
| | | PUHZ-ZRP140/250 | Optional | |

PCA-M HA Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | Outd | oor Ui | nit Cap | pacity | | | | | | | | |
|---------------------------|----|----|----|------|---------|-----|-----|-----|------|--------|---------|--------|-------------|-----|-----|-----|--------|-------------|--------|---------|
| Indoor Unit Combination | | | | Fo | or Sing | gle | | | | | | For | Twin | | | F | orTrip | le | For Qu | adruple |
| | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Power Inverter (PUHZ-ZRP) | - | - | - | 71x1 | - | - | - | - | - | - | - | - | 71x2 | - | - | - | - | 71x3 | - | - |
| Distribution Pipe | - | - | - | - | - | - | - | - | - | - | - | - | MSDD-50TR-E | - | - | - | - | MSDT-111R-E | - | - |



| Demand Control optimit | Cooling | Silent Ampere Limit Rotation Dataset - up Optional | Group Control M-NET Connection Option |
|---|------------------|---|--|
| Wiring Pump Flare Connection Self Diagnosis | Failure Recal | | |

| Туре | | | | Inverter Heat Pump |
|-------------|-----------------------------|--------------------------------|--------|----------------------|
| Indoor Unit | | | | PCA-M71HA2 |
| Outdoor U | | | | PUZ-ZM71VHA2 |
| Refrigerant | | | | R32 |
| | Source | | | Outdoor power supply |
| | Outdoor(V/Phase/Hz) | | | 230/Single/50 |
| Cooling | Capacity | Rated | kW | 7.1 |
| cooling | Capacity | | kW | 3.3 - 8.1 |
| | Total Input | Rated | kW | 2.028 |
| | EER | Inateu | KVV | 3.50 |
| | Design load | | kW | 7.1 |
| | Annual electricity consump | | kWh/a | 443 |
| | SEER ^(*4) | otion' -/ | kvvn/a | 5.6 |
| | SEER 7 | F (7) : 1 | | |
| | | Energy efficiency class | 1347 | A+ |
| Heating | Capacity | | kW | 7.6 |
| | | | kW | 3.5 - 10.2 |
| | Total Input | Rated | kW | 2.171 |
| | COP | | | 3.50 |
| | Design load | | kW | 4.7 |
| | Declared Capacity | | kW | 4.7 (-10°C) |
| | | | kW | 4.7 (-10°C) |
| | | at operation limit temperature | kW | 3.4 (-20°C) |
| | Back up heating capacity | | kW | 0.0 |
| | Annual electricity consump | otion (*2) | kWh/a | 1684 |
| | SCOP(*4) | | | 3.9 |
| | | Energy efficiency class | | A |
| | Current(Max) | | A | 19.4 |
| Indoor | Input [cooling / Heating] | Rated | kW | 0.10 / 0.10 |
| | Operating Current(Max) | | A | 0.43 |
| | Dimensions | H*W*D | mm | 280-1136-650 |
| | Weight | | kg | 42 |
| | Air Volume (Lo-Mi2-Mi1-Hi) | | m³/min | 16-18 |
| | Sound Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 37-39 |
| | Sound Level (PWL) | | dB(A) | 57 |
| | Dimensions | H*W*D | mm | 943-950-330(+25) |
| | Weight | | kg | 67 |
| | Air Volume | Cooling | m³/min | 55 |
| | | | m³/min | 55 |
| | Sound Level (SPL) | | dB(A) | 47 |
| | | | dB(A) | 49 |
| | Sound Level (PWL) | Cooling | dB(A) | 67 |
| | Operating Current(Max) | | A | 19 |
| | Breaker Size | | A | 25 |
| Ext.Piping | Diameter ^(*5) | Liquid/Gas | mm | 9.52 / 15.88 |
| | | Out-In | m | 55 |
| | Max.Length | | | |
| | Max.Height | Out-In | m | 30 |
| | | | | 30 -15 ~ +46 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP; if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report.
 *2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
 *3 Optional air protection guide is required where ambient temperature is lower than -5°C.
 *4 SEER and SCOP are based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No206/2012.
 *5 Joint pipe is required depending on installed refrigerant pipes, outdoor units and indoor units.

PSA SERIES

R32 R410A



Installation of this floor-standing series is easy and quick. An excellent choice when there is a sudden need for an air conditioner to be installed.

A slim design the fits neatly into any space

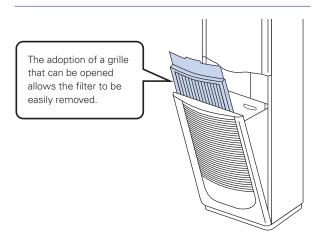
With a width of only 600mm, this slim unit can fit neatly into narrow spaces.





. 600mm

Equipped with a long-life filter as standard



Floor-standing Line-up

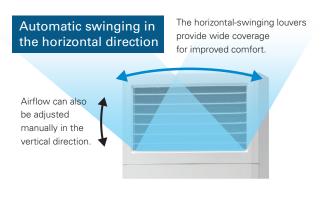
Built-in MA smart remote controller

The large and easy-to-read LCD makes it easy to perform a variety of functions.

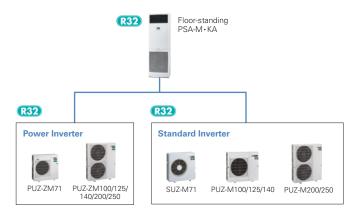


A wide airflow range with horizontal swinging

The horizontal swinging function can be turned on or off via the remote controller to deliver comfort over a wider area.



The PSA series was previously only able to be connected to P series outdoor units. However, it can now also be connected to S series outdoor units. This wider lineup provides our customers with a more flexible range of options.



| | SERIES SELECTION | |
|---------------------------------|---|--|
| Power Inverter Series | myerter (File) | 100-200 Constant Constant View View View View View View View View |
| Indoor Unit (R32) (R410A) | Outdoor Unit R32 For Single | |
| PSA-M71/100/125/140KA | For Multi (Twin/Triple) | PUZ-ZM71 PUZ-ZM100/125/140 |
| Remote Controller | Built-in Optional* | PUZ-ZM140/200/250 |

PSA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | | Outd | oor Ui | nit Cap | pacity | | | | | | | | |
|--------|-------------------|----|----|----|------|---------|-------|-------|-----|------|--------|---------|--------|------------------|--------|--------|-----|---------|------------------|--------|---------|
| Indoor | Unit Combination | | | | Fo | or Sing | gle | | | | | | For | Twin | | | F | or Trip | le | For Qu | adruple |
| | | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Power | Inverter (PUZ-ZM) | - | - | - | 71x1 | 100x1 | 125x1 | 140x1 | - | - | - | - | - | 71x2 | 100x2 | 125x2 | - | - | 71x3 | - | - |
| | Distribution Pipe | - | - | _ | - | - | - | - | - | - | - | - | - | MSDD -50TR2-E | MSDD-5 | 0WR2-E | - | - | MSDT -111R3-E | - | - |

| | | SERIES S | ELECTION | | |
|-----------------------|--------|---|------------------------|---|--------------|
| Standard Inverter S | Series | | Inverter Vector Sire V | 100-140 200/250 DC Rotary DC Scrott DC Floatery DC Scrott | Vector-Wares |
| Indoor Unit | | Outdoor Unit | | | |
| R32 R410A | | R32 For Single | 0 | | |
| | | | SUZ-M71 | PUZ-M100/125/140 | |
| PSA-M71/100/125/140KA | | R32 For Multi (Twin/Triple) | | PUZ-M140 | PUZ-M200/250 |
| Remote Controller | | Anter Contraction of the Contraction of the | Optional* | | |

PSA-M Indoor Unit Combinations Indoor unit combinations shown below are possible.

| | | | | | | | | | Outd | oor Ui | nit Cap | pacity | | | | | | | | |
|---------------------------|----|----|----|------|---------|-------|-------|-----|------|--------|---------|--------|------------------|--------|---------|-----|--------|------------------|--------|---------|
| Indoor Unit Combination | | | | Fo | or Sing | gle | | | | | | For | Twin | | | F | orTrip | le | For Qu | adruple |
| | 35 | 50 | 60 | 71 | 100 | 125 | 140 | 200 | 250 | 71 | 100 | 125 | 140 | 200 | 250 | 140 | 200 | 250 | 200 | 250 |
| Standard Inverter (PUZ-M) | - | - | - | 71x1 | 100x1 | 125x1 | 140x1 | - | - | - | - | - | 71x2 | 100x2 | 125x2 | - | - | 71x3 | - | - |
| Distribution Pipe | - | - | - | - | - | - | - | - | - | - | - | - | MSDD -50TR2-E | MSDD-5 | 50WR2-E | - | - | MSDT -111R3-E | - | - |

| PSA-M SERIES | |
|---------------------|--|
| POWER INVERTER | |

Demand Control Group Auto Restart Control Con Wiring Pump Flare Connection Set Failure Recall

| Туре | | | | | | | Inverter Heat Pump | | | |
|------------|--------------------------------|---------------------------------|---------------------|--------------|--------------------|---------------|-----------------------|---------------|---------------|--------------|
| Indoor Uni | | | | PSA-M71KA | PSA-M100KA | PSA-M100KA | PSA-M125KA | PSA-M125KA | PSA-M140KA | PSA-M140KA |
| Outdoor U | | | | PUZ-ZM71VHA2 | PUZ-ZM100VKA2 | PUZ-ZM100YKA2 | PUZ-ZM125VKA2 | PUZ-ZM125YKA2 | PUZ-ZM140VKA2 | PUZ-ZM140YKA |
| Refrigeran | t ^(*1) | | | | | | R32 | | | |
| Power | Source | | | | | | Outdoor power supply | | | |
| Supply | Outdoor(V/Phase/Hz) | | | | | VKA•VHA: | 230/Single/50, YKA:40 | 00/Three/50 | | |
| Cooling | Capacity | Rated | kW | 7.1 | 9.5 | 9.5 | 12.5 | 12.5 | 13.4 | 13.4 |
| | | Min-Max | kW | 3.3 - 8.1 | 4.9 - 11.4 | 4.9 - 11.4 | 5.5 - 14.0 | 5.5 - 14.0 | 6.2 - 15.0 | 6.2 - 15.0 |
| | Total Input | Rated | kW | 1.888 | 2.493 | 2.493 | 3.955 | 3.955 | 3.976 | 3.976 |
| | EER | | | 3.76 | 3.81 | 3.81 | 3.16 | 3.16 | 3.37 | 3.37 |
| | Design load | | kW | 7.1 | 9.5 | 9.5 | - | - | - | - |
| | Annual electricity consumption | otion(*2) | kWh/a | 388 | 581 | 592 | - | - | - | - |
| | SEER ^(*4) | | | 6.4 | 5.7 | 5.6 | - | - | - | - |
| | | Energy efficiency class | | A++ | A+ | A+ | - | - | - | - |
| leating | Capacity | Rated | kW | 7.6 | 11.2 | 11.2 | 14.0 | 14.0 | 16.0 | 16.0 |
| | | Min-Max | kW | 3.5 - 10.2 | 4.5 - 14.0 | 4.5 - 14.0 | 5 - 16.0 | 5 - 16.0 | 5.7 - 18.0 | 5.7 - 18.0 |
| | Total Input | Rated | kW | 2.338 | 3.172 | 3.172 | 4.501 | 4.501 | 5.000 | 5.000 |
| | COP | | 3.25 | 3.53 | 3.53 | 3.11 | 3.11 | 3.20 | 3.20 | |
| | Design load | | kW | 4.7 | 7.8 | 7.8 | - | - | - | - |
| | Declared Capacity | at reference design temperature | kW | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | - |
| | | at bivalent temperature | kW | 4.7 (-10°C) | 7.8 (-10°C) | 7.8 (-10°C) | - | - | - | |
| | | at operation limit temperature | kW | 3.4 (-20°C) | 5.8 (-20°C) | 5.8 (-20°C) | - | - | - | - |
| | Back up heating capacity kW | | kW | 0.0 | 0.0 | 0.0 | - | - | - | - |
| | Annual electricity consumption | otion ^(*2) | kWh/a | 1636 | 2658 | 2659 | - | - | - | - |
| | SCOP(*4) | | | 4.0 | 4.1 | 4.1 | - | - | - | - |
| | | Energy efficiency class | | A+ | A+ | A+ | - | - | - | |
| Operating | Current(Max) | | A | 19.4 | 20.7 | 8.7 | 27.2 | 9.7 | 30.7 | 12.5 |
| ndoor | Input [cooling / Heating] | Rated | kW | 0.06 / 0.06 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 |
| Unit | Operating Current(Max) | | A | 0.4 | 0.71 | 0.71 | 0.73 | 0.73 | 0.73 | 0.73 |
| | Dimensions | H*W*D | mm | 1900-600-360 | 1900-600-360 | 1900-600-360 | 1900-600-360 | 1900-600-360 | 1900-600-360 | 1900-600-360 |
| | Weight | | kg | 46 | 46 | 46 | 46 | 46 | 48 | 48 |
| | Air Volume (Lo-Mi2-Mi1-Hi) | | m ³ /min | 20-22-24 | 25-28-30 | 25-28-30 | 25-28-31 | 25-28-31 | 25-28-31 | 25-28-31 |
| | Sound Level (Lo-Mi2-Mi1-Hi) | (SPL) | dB(A) | 40-42-44 | 45-49-51 | 45-49-51 | 45-49-51 | 45-49-51 | 45-49-51 | 45-49-51 |
| | Sound Level (PWL) | | dB(A) | 60 | 65 | 65 | 66 | 66 | 66 | 66 |
| Outdoor | Dimensions | H*W*D | mm | | 1338-1050-330(+40) | | | | | |
| Unit | Weight | | kg | 67 | 105 | 111 | 105 | 114 | 105 | 118 |
| | Air Volume | Cooling | m³/min | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | | Heating | m ³ /min | 55 | 110 | 110 | 120 | 120 | 120 | 120 |
| | Sound Level (SPL) | Cooling | dB(A) | 47 | 49 | 49 | 50 | 50 | 50 | 50 |
| | | Heating | dB(A) | 49 | 51 | 51 | 52 | 52 | 52 | 52 |
| | Sound Level (PWL) | Cooling | dB(A) | 67 | 69 | 69 | 70 | 70 | 70 | 70 |
| | Operating Current(Max) | | A | 19 | 20 | 8 | 26.5 | 9 | 30 | 11.8 |
| | Breaker Size | | A | 25 | 32 | 16 | 32 | 16 | 40 | 16 |
| Ext.Piping | Diameter ^(*5) | Liquid/Gas | mm | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 |
| | Max.Length | Out-In | m | 55 | 100 | 100 | 100 | 100 | 100 | 100 |
| | Max.Height | Out-In | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Guarantee | ed Operating Range (Outdoor) | | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |
| | | Heating | °C | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 | -20 ~ +21 |

*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R410A is 2088 in the IPCC 4th Assessment Report. *2 Energy consumption based on standard test results. Actual energy consumption would be appliance is used and where it is located.
*3 Optional air protection guide is required where ambient temperature is lower than -5°C. *4 SEER and SCOP are based on 2009/125/EC.Energy-related Products Directive and Regulation(EU) No206/2012.

| PSA-M series | Demand Control Optional | Long Life | Check! | | Q≑Q ACO | 4 Auto Restart | Low Temp Cooling Sile | ent 🛞 🛛 | Group Control | M-NET connection | Wi-Fi)) Interface Optional | СОМРО | Cleaning-free, pipe reuse | Wiring Reuse Optional |
|--|-------------------------------|-------------------|------------------|--|------------|--------------------------|--------------------------|---------|------------------|---------------------|-----------------------------------|-------|------------------------------|-----------------------------|
| TJA-IVI SERIES STANDARD INVERTER | Pump Down | Self Diagnosis | Failure Recal | | | | | | | | | | | |

| Туре | | | | | | | Inverter Heat Pum | р | | |
|------------|---|--------------------------------|--------------|--------------------|--------------------|--------------------|----------------------|--------------------|--------------------|--------------------|
| Indoor Un | it | | | PSA-M71KA | PSA-M100KA | PSA-M100KA | PSA-M125KA | PSA-M125KA | PSA-M140KA | PSA-M140KA |
| Outdoor L | Jnit | | | SUZ-M71VA | PUZ-M100VKA2 | PUZ-M100YKA2 | PUZ-M125VKA2 | PUZ-M125YKA2 | PUZ-M140VKA2 | PUZ-M140YKA2 |
| Refrigerar | 1t ^(*1) | | | | | | R32 | | | |
| Power | Source | | | | | | Outdoor power suppl | | | |
| Supply | Outdoor(V/Phase/Hz) | | | | | VA, VKA:2 | 30/Single/50, YKA:40 | 0/Three/50 | | |
| Cooling | Capacity | Rated | kW | 7.1 | 9.4 | 9.4 | 12.1 | 12.1 | 13.6 | 13.6 |
| | | Min-Max | kW | 2.2 - 8.1 | 3.7 - 10.6 | 3.7 - 10.6 | 5.6 - 13.0 | 5.6 - 13.0 | 5.8 - 13.7 | 5.8 - 13.7 |
| | Total Input | Rated | kW | 1.972 | 2.686 | 2.686 | 4.481 | 4.481 | 5.037 | 5.037 |
| | EER | | | 3.60 | 3.50 | 3.50 | 2.70 | 2.70 | 2.70 | 2.70 |
| | Design load | | kW | 7.1 | 9.4 | 9.4 | - | - | - | - |
| | Annual electricity consump | otion ^(*2) | kWh/a | 394 | 591 | 591 | - | - | - | - |
| | SEER ^(*4) | | | 6.3 | 5.5 | 5.5 | - | - | - | - |
| | | Energy efficiency class | | A++ | A | A | - | - | - | - |
| Heating | Capacity | Rated | kW | 8.0 | 11.2 | 11.2 | 13.5 | 13.5 | 15.0 | 15.0 |
| | | | kW | 2.1 - 10.2 | 2.8 - 12.5 | 2.8 - 12.5 | 4.8 - 15.0 | 4.8 - 15.0 | 4.9 - 15.8 | 4.9 - 15.8 |
| | Total Input | Rated | kW | 2.492 | 3.246 | 3.246 | 4.355 | 4.355 | 4.761 | 4.761 |
| | СОР | | | 3.21 | 3.45 | 3.45 | 3.10 | 3.10 | 3.15 | 3.15 |
| | Design load | | kW | 5.8 | 8.0 | 8.0 | - | - | - | - |
| | Declared Capacity | | kW | 5.2 (-10°C) | 6.0 (-10°C) | 6.0 (-10°C) | - | - | - | - |
| | | at bivalent temperature | kW | 5.2 (-7°C) | 7.0 (-7°C) | 7.0 (-7°C) | - | - | - | - |
| | | at operation limit temperature | kW | 5.2 (-10°C) | 4.5 (-15°C) | 4.5 (-15°C) | - | - | - | - |
| | Back up heating capacity | | kW | 0.6 | 2.0 | 2.0 | - | - | - | - |
| | Annual electricity consumption ^(*2) SCOP ^(*4) Energy efficiency class | | kWh/a | 2003 | 2745 | 2745 | - | - | - | - |
| | | | | 4.0 | 4.0 | 4.0 | - | - | - | - |
| | | | | A+ | A+ | A+ | - | - | - | - |
| | g Current(Max) | | A | 15.2 | 20.7 | 12.2 | 27.2 | 12.2 | 30.7 | 12.2 |
| Indoor | Input [cooling / Heating] | Rated | kW | 0.06 / 0.06 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 | 0.11/0.11 |
| Unit | Operating Current(Max) | 1 | A | 0.4 | 0.71 | 0.71 | 0.73 | 0.73 | 0.73 | 0.73 |
| | Dimensions | H*W*D | mm | 1900-600-360 46 | 1900-600-360 46 | 1900-600-360 46 | 1900-600-360 | 1900-600-360 46 | 1900-600-360 48 | 1900-600-360 48 |
| | Weight | | kg m³/min | 20-22-24 | 25-28-30 | 25-28-30 | 46 25-28-31 | 25-28-31 | 48 25-28-31 | 48 25-28-31 |
| | Air Volume (Lo-Mi2-Mi1-Hi) Sound Level (Lo-Mi2-Mi1-Hi) (SPL) | | dB(A) | 40-42-44 | 45-49-51 | 45-49-51 | 45-49-51 | 45-49-51 | 45-49-51 | 45-49-51 |
| | Sound Level (PWL) | (SFL) | dB(A) | 60 | 65 | 65 | 66 | 66 | 66 | 66 |
| Outdoor | Dimensions | H*W*D | mm | 880-840-330 | | 981-1050-330(+40) | | 981-1050-330(+40) | | 981-1050-330(+40) |
| Unit | Weight | | kg | 55 | 76 | 78 | 84 | 85 | 84 | 85 |
| | Air Volume | Cooling | m³/min | 50.1 | 79 | 79 | 86 | 86 | 86 | 86 |
| | | Heating | m³/min | 50.1 | 79 | 79 | 92 | 92 | 92 | 92 |
| | Sound Level (SPL) | Cooling | dB(A) | 49 | 51 | 51 | 54 | 54 | 55 | 55 |
| | | Heating | dB(A) | 51 | 54 | 54 | 56 | 56 | 57 | 57 |
| | Sound Level (PWL) | Cooling | dB(A) | 66 | 70 | 70 | 72 | 72 | 73 | 73 |
| | Operating Current(Max) | | A | 14.8 | 20 | 11.5 | 26.5 | 11.5 | 30 | 11.5 |
| | Breaker Size | | A | 20 | 32 | 16 | 32 | 16 | 40 | 16 |
| Ext.Pipin | Diameter ^(*5) | Liquid/Gas | mm | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 | 9.52 / 15.88 |
| | Max.Length | Out-In | m | 30 | 55 | 55 | 65 | 65 | 65 | 65 |
| | Max.Height | Out-In | m | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | wax.neigin | | | | | | | | | |
| Guarante | ed Operating Range (Outdoor) | Cooling ^(*3) | °C | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 | -15 ~ +46 |

Instant of the second secon





| PLA-SM series | SERIES SEL | ECTION | | |
|---|-----------------------|------------------------|----------------------------------|---|
| Indoor Unit | Outdoor Unit | | | |
| | 0 | | | |
| PLA-SM71/100/125/140EA | SUZ-SM71VA | | 00/125/140VKA2 00/125/140YKA2 | |
| Optional PLP-6EAJ - Panel only PLP-6EALM - Panel with signal receiver and wirele | ess remote controller | | | |
| | | PAR-41MAA(B) DELUXE | PAC-YT52CRA | PAR-SL100A* *Enclosed with PLP-6EALM |

PLA-SM SERIES

| | | | | | | | erter Heat Pump | | | |
|--|-------------------------------|---------------------------------|------------|-------------------------|------------------|--------------|----------------------------|-------------------|---|-------------|
| | | | PLA-SM71EA | | M100EA | | V125EA | | | |
| | | | | SUZ-SM71VA | PUZ-SM100VKA | PUZ-SM100YKA | PUZ-SM125VKA | PUZ-SM125YKA | PUZ-SM140VKA | PUZ-SM140YK |
| | | | | | | | R32 ^(*1) | | | |
| | Source | | | | | | tdoor power supply | | | |
| suppiy | Outdoor (V / Phase / Hz) | | | | | | Single / 50, YKA:400 | | | |
| | Capacity | Rated | kW kW | 7,1 | 9,5 | 9,5 | | 2,1 | | |
| Cooling | | Min-Max | | 2,2-8,1 | 4,0-10,6 | 4,0-10,6 | | 13,0 | | |
| | Total Input | Rated | kW | 1,97 | 2,79 | 2,79 | | 17 | | |
| | EER EEL Rank | | 3,6 | 3,4 | 3,4 | | ,9 | | | |
| ooling | Design load | | kW | - | - | - | | - | | |
| | Annual electricity cons | (*0) | kWh/a | 7,1 | 9,5 | 9,5 | | 2,1 | | |
| | SEER | umption (*2) | kwn/a | 410 6 | 554 6 | 554 6 | | - | | |
| teating Average Season) Deperating | Energy efficiency class | | | ÷ | | | | | | |
| | Energy emclency class | Rated | kW | A+ 8 | A+ | A+ | | - | | |
| | Capacity | Min-Max | kW | | 11,2 2,8-12,5 | 11,2 | | 3,5 | | |
| | Total Innut | | kW | 2,0-10,2 | 3,1 | 2,8-12,5 | | 15,0 | | |
| | Total Input COP | Rated | KVV | 2,28 | 3,1 | 3,1 3,61 | | 73 61 | | |
| leating werage leason) /perating ndoor init | EEL Rank | | | - 3,5 | 3,01 | 3,01 | | - | - | |
| | Design load | | kW | 5,8 | - 8 | - 8 | | | | |
| | Designitioau | at reference design temperature | kW | 5,8 5,2 (-10°C) | 6,0 (-10°C) | 6,0 (-10°C) | | | - | |
| (Average Season) | Declared Capacity | at bivalent temperature | kW | 5,2 (-7°C) | 7,0 (-7°C) | 7,0 (-7°C) | 8,5 (-10°C) 8,5 (-10°C) | | .,, | |
| | Deciarea Capacity | at operation limit temperature | kW | 5,2 (-10°C) | 4,5 (-15°C) | 4,5 (-15°C) | 6,0 (-15°C) | | | |
| | | | kW | 0,6 | 2 | 2 | 0 | | | |
| | Annual electricity cons | | kWh/a | 2066 | 2482 | 2482 | | - | | - |
| | SCOP | | | 3,9 | 4,5 | 4,5 | | - | | - |
| | Energy efficiency class | | | A | A+ | A+ | | - | | - |
| Doeratin | g Current (Max) | | A | 15,1 | 20,5 | 12 | 27,2 | 12,2 | 30.7 | 12,2 |
| Operauli | Input (cooling/heating) | Rated | kW | 0,04 | 0,07 | 0.07 | 0,1 | 0,1 | | 0,1 |
| | Operating Current (Max | | A | 0,27 | 0,46 | 0,46 | 0,66 | 0,66 | | 0,66 |
| | Dimensions <panel></panel> | HxWxD | mm | 258x840x840<40x950x950> | 5,15 | 0,10 | | <40x950x950> | | 0,00 |
| | Weight <panel></panel> | | kg | 21<5> | 24 | <5> | | | <5> | |
| Init | Air Volume (Lo-Mid-Hi) | | m³/min | 14-17-19-21 | 19-23 | -26-29 | 21-25 | -28-31 | 13, 5,8-1 5,1: 2,66 - 13, - - 15 4,2-1 4,5: 3,7 9,4 (-1) 9,4 (-1) 9,4 (-1) - - 30,7 0,1 0,66 24-26-2 36-39-4 65 92 55 57 73 30 40 | -29-32 |
| | Sound Level (Lo-Mid-Hi | i) (SPL) | dB(A) | 28-30-32-34 | 31-34 | -37-40 | 33-37 | -41-44 | 36-39 | -42-44 |
| | Sound Level (PWL) | | dB(A) | 56 | 6 | 51 | 6 | 35 | 6 | 35 |
| | Dimensions | HxWxD | mm | 880x840x330 | | | | 981x1050x330 (+40 |)) | |
| | Weight | | kg | 55 | 76 | 78 | 84 | 85 | | 85 |
| | A | Cooling | m³/min | 50,1 | 79 | 79 | 86 | 86 | 86 | 86 |
| 0 | Air Volume | Heating | m³/min | 50,1 | 79 | 79 | 92 | 92 | A PUZ-SM140VKA 1 1 5,8 5 2 1 1 1 1 5,8 1 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 92 |
| | | Cooling | dB(A) | 49 | 51 | 51 | 54 | 54 | 55 | 55 |
| teating verage v | Sound Level (SPL) | Heating | dB(A) | 51 | 54 | 54 | 56 | 56 | 57 | 57 |
| | Sound Level (PWL) | Cooling | dB(A) | 66 | 70 | 70 | 72 | 72 | | 73 |
| leating werage kooling leating werage werage werage werage werage werage werage werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating werage leating leatin | Operating Current (Max | 3 | А | 14,8 | 20 | 11,5 | 26,5 | 11,5 | 30 | 11,5 |
| | Breaker Size | | A | 20 | 32 | 16 | 32 | 16 | 25YKA PUZ-SM140VK 0 0 0 0 0 0 0 0 0 0 0 0 0 | 16 |
| | Diameter | Liquid/Gas | mm | | | | 9,52 / 15,88 | | | |
| | Max. Length | Out-In | m | | 30 | | | 4 | 40 | |
| | Max. Height | Out-In | m | | | | 30 | | | |
| Guarant | eed Operating Range | Cooling | °C | | | | -15 ~ +46 | | | |
| | | Heating | °C | -10 ~ +24 | | | -15 - | ~ +21 | | |
| Refriger | ant/GWP | . ~ | | | | | R32/675(*4) | | | |
| | | Weight | kg | 1,45 | 3,1 | 3,1 | 3,6 | 3,6 | 3.6 | 3,6 |
| Pre-Cha | rged quantity | CO, equivalent | t | 0.98 | 2,09 | 2,09 | 2,43 | 2,43 | | 2,43 |
| | | 2 | | 0,00 | 2,00 | 2,00 | 1 2,10 | 2,10 | 2,10 | 2, 10 |
| | | Weight | kg | 2,37 | 4,1 | 4,1 | 5 | 5 | 5 | 5 |

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less te global warming than a refrigerant with higher GWP, if leaked te the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked te the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO 2, aver a period of 100 years. Never try to interiere with the refrigerant ricult yourself or disassemble the product yourself and always ask a professional.
(*2) Prorey consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.
(*3) Optional air protection guide is required where ambient temperature is lower than -5°C.
(*4) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition,



| PEAD-SM series | SERIES SELECTION |
|-------------------------------|---|
| Indoor Unit | Outdoor Unit |
| PEAD-SM71/100/125/140JAL(2) | SUZ-SM71VA PUZ-SM100/125/140VKA |
| FEAD-SIVITI(100/123)1403AL(2) | PUZ-SM1100/125/140YKA PUZ-SM100/125/140YKA |
| Remote Controller (Optional) | |
| | PAR-41MAA(B) PAC-YT52CRA PAR-FL32MA Optional Optional Optional |

PEAD-SM SERIES

| Type | | | | | | Inv | erter Heat Pump | | | | |
|--|---------------------------|--|--------|-----------------|------------------|------------------|---------------------------------------|------------------|--------------------|--------------------|--|
| | it | | | PEAD-SM71JA (L) | PEAD-SM100JA (L) | | | PEAD-SM125JA (L) | PEAD-SM140JA (L) | PEAD-SM140JA (L) | |
| Outdoor L | Jnit | | | SUZ-SM71VA | PUZ-SM100VKA | PUZ-SM100YKA | PUZ-SM125VKA | PUZ-SM125YKA | PUZ-SM140VKA | PUZ-SM140YKA | |
| Refrigerar | nt | | | | | | B32 ⁽¹⁾ | | | | |
| Power | Source | | | | | Out | door power supply | | | | |
| Supply | Outdoor (V / Phase / Hz) | | | | | VA · VKA:230 / S | ingle / 50, YKA:400 | / Three / 50 | | | |
| Supply Outdo Supply Outdo Cooling Cooling EEL F ER F Energ F Energ EEL F Total COP EEL F Energ EEL F B Back Annu SCOF EEL F B Back Annu SCOF Energ Operating Curro Back Annu SCOF Energ Decla Cop EEL F Back Annu SCOF Energ Decla Cop EEL F Back Sounc Binde Bind | O | Rated | kW | 7,1 | 9,5 | 9,5 | 12 | 2,1 | 1: | 3,4 | |
| | Capacity | Min-Max | kW | 2,2-8,1 | 4,0-10,6 | 4,0-10,6 | 6,0- | 13,0 | 6,1- | 14,1 | |
| | Total Input | Rated | kW | 2,08 | 2,95 | 2,95 | 4, | 17 | 4, | 96 | |
| | | | | 3,41 | 3,21 | 3,21 | 2 | ,9 | 2 | ,7 | |
| Cooling | EEL Rank | | | - | - | - | | - | | - | |
| | Design load | | | 7,1 | 9,5 | 9,5 | 12 | 2,1 | 10 | 3,4 | |
| | | SU2-SM11VA PUZ-SM1004KA PUZ-SM120KA PUZ-SM120KA PUZ-SM120KA arcs | - | | - | | | | | | |
| | SEER | | | - 1 - | | 5,3 | | - | | - | |
| | Energy efficiency class | 1 | | | | | | | | - | |
| | Capacity | | | | | | | | | 5 | |
| | | | | | | | | | | 15,8 | |
| | Total Input | Rated | kW | | | | | | | 28 | |
| | | | | 3,61 | 3,7 | 3,7 | 3 | ,5 | 3 | ,5 | |
| | EEL Rank | | | - | - | - | | - | | | |
| Heating | Design load | | | | | | | | | ,4 | |
| | | | | | | | | | | 10°C) | |
| Season) | Declared Capacity | | | | | | · · · · · · · · · · · · · · · · · · · | | 9,4 (-10°C) | | |
| | | | | | | | | | 7,0 (-15°C) 0 | | |
| | | | | | | | | | | | |
| | | umption (^-) | kvvn/a | | | | | - | | - | |
| | | | | | | | | - | | - | |
| Operatin | | | Δ. | | | | 20.2 | - 14.9 | 32.8 | 14.3 | |
| operating | | Pated | | | | | | | 0,39 (0,37) / 0,37 | 0,39 (0,37) / 0,37 | |
| | | | | | | | | | 2,78 | 2,78 | |
| | | | | | | | | | 250-1600-732 | 250-1600-732 | |
| Indoor | | 1 | | | | | | | 44 (43) | 44 (43) | |
| Unit | | | | | | | | | 32,0-39,0-46,0 | 32,0-39,0-46,0 | |
| | | | | 11,0 21,0 20,0 | 2 1,0 20,0 0 1,0 | | | 20,0 00,0 12,0 | 02,0 00,0 10,0 | 02,0 00,0 10,0 | |
| | | | | 26-30-34 | 29-5 | | | 6-40 | 34-3 | 8-43 | |
| | Sound Level (PWL) | /(0.2) | | | | | 67 | | | | |
| | Dimensions | HxWxD | | 880x840x330 | | 981x1050x330 (+4 | | | (O) | | |
| | Weight | ņ. | kg | 55 | 76 | 78 | 84 | 85 | 84 | 85 | |
| | - | Cooling | | 50,1 | 79 | 79 | 86 | 86 | 86 | 86 | |
| . | Air volume | Heating | m³/min | 50,1 | 79 | 79 | 92 | 92 | 92 | 92 | |
| | Cound Loval (CDL) | Cooling | dB(A) | 49 | 51 | 51 | 54 | 54 | 55 | 55 | |
| | Sound Level (SPL) | Heating | dB(A) | 51 | 54 | 54 | 56 | 56 | 57 | 57 | |
| | Sound Level (PWL) | Cooling | dB(A) | 66 | | 70 | | 72 | 73 | 73 | |
| | Operating Current (Max) | | | | | | | | 30 | 11,5 | |
| | Breaker Size | | | 20 | 32 | 16 | | 16 | 40 | 16 | |
| Fxt | Diameter | | | | | - | 9,52 / 15,88 | | | | |
| Piping | Max. Length | | | | 30 | | | 4 | 0 | | |
| | Max. Height | | | | | | | | | | |
| | eed Operating Range | Cooling ⁽¹³⁾ | °C | | | | -15 ~ +46 | | | | |
| (Outdoor) | | Heating | °C | -10 ~ +24 | | | -15 - | - +21 | | | |
| Refrigera | ant/GWP | | | | | | R32/675(*4) | | | | |
| | | Weight | ka | 1 45 | 3.10 | 3.10 | | 3.60 | 3.60 | 3,60 | |
| Pre-Cha | rged quantity | - | - | | | | | ., | | | |
| | | 2 | | | | | - | | 2,43 | 2,43 | |
| | | | | | | | | | | 5,00 | |
| Max add | led quantity | Weight CO, equivalent | t t | 1.60 | 2,77 | 4,10 | 3.38 | 3,38 | 5,00 | 3.38 | |

(*1) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO 2, over a period of 100 years. Never try to interfere with the refrigerant riccul voursel for disassemble the product yoursel and aways as a professional.
 (*2) Energy consumption based on standard test results.Actual energy consumption will depend on how the appliance is used and where it is located.
 (*3) Optional is roprotection guide is required where ambient temperature is lower than -5°C.
 (*4) This GWP value is based on Regulation(EU) No 517/2014 from IPCC 4th edition,

SP

SERIES





SELECTION

Choose from types of indoor units and outdoor units that can run up to six indoor units each. Create the system that best matches room shapes and number of rooms.



Possible combinations depends on the outdoor unit chosen. Please check the following points.

Check Indoor Units

Check Indoor Unit Capacity Combination Refer to the "Indoor Unit Compatibility Table" to check if the indoor units selected can be used with the outdoor unit selected. (Indoor units not listed in the table cannot be used.)

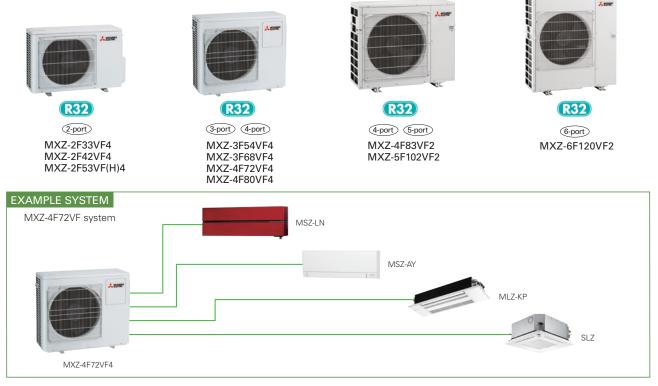
Refer to the "Combination Table" to check if the capacity combination of the indoor unit selected is connectable. (Combinations not listed cannot be connected.)

If the desired combination cannot be found, please change either the indoor or outdoor unit to match one of the combinations shown in the tables.

MXZ SERIES



Advancements in the MXZ Series include efficiency and flexibility in system expansion capabilities. The best solution when requiring multi-system air conditioning needs.



Units can be used even if it is connected to only one indoor unit (4F83/5F102/6F120)

This unit can be used even if it is connected to only one indoor unit. This offers more flexibility for wide range of application that satisfies various customers' demand.

No necessity for refrigerant charging

Depending on the pipe length and the indoor units that are connected, conventional models have required refrigerant charging, but no R32 MXZ model needs to be charged with additional refrigerant. This eliminates troublesome work at the site of installation, and reduces the amount of additional work for the installer.

Handle Up to 6 Rooms with a Single Outdoor Unit

The MXZ Series for R32 offers a ten-system line-up to choose from, ranging between 3.3 and 12.0kW. All of them are compatible with specific M, S and P series indoor units. A single outdoor unit can handle a wide range of building layouts.

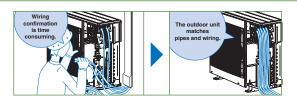
Support Functions

Wiring/Piping Correction Function* (3F54/3F68/4F72/4F80/4F83/5F102/6F120)

Simply press a single button to confirm if wiring and piping are properly connected. Wiring errors are corrected automatically when discovered. This eliminates the need to confirm complicated wiring connections when expanding the system. (For details, refer to the outdoor unit installation manual.)

* Function cannot be used when the outdoor temperature is below 0°C.

The correction process requires 10–20 minutes to complete and must be conducted with the unit set to the "Cooling" mode.



Operation Lock

To accommodate specific use applications, cooling or heating operation can be specified when setting the control board of the outdoor unit. A convenient option when a system needs to be configured for exclusive cooling or heating service. (For details, refer to the outdoor unit installation manual.)

MXZ SERIES

Guaranteed Operating Range [Outdoor]

Refrigerant/GWP Pre-Charged Quantity

Max Added Quantity

| | | | Jun | t Lap DC Fan Motor | | 0.004 | ed Piping | | | | | | | | |
|-----------|--|-----------------------------|---------|----------------------------------|---|-----------------|-----------|-----------------------|-----------------------|-----------------------|-------------------|---------------------------------|------------------|--|--|
| Type (Inv | erter Multi - Spl | t Heat Pump) | | | Up to 2 In | door Units | | | door Units | Up | to 4 Indoor U | nits | Up to 5 Indoor U | | |
| ndoor Ur | nit | | | | | | | | refer to*3 | | - | | | | |
| Dutdoor I | Jnit | | | MXZ-2F33VF4 | 1XZ-2F33VF4 MXZ-2F42VF4 MXZ-2F53VF4 MXZ-2F53VF4 MXZ-3F54VF4 MXZ-3F68VF4 MXZ-4F72VF4 MXZ-4F80VF4 MXZ-4F83VF2 MXZ-5F102 | | | | | | | | | | |
| Refrigera | nt | | | R32 | | | | | | | | | | | |
| Power | Source | | | Outdoor power supply | | | | | | | | | | | |
| Supply | Outdoor (V/Phase/Hz) | | | 220 - 230 - 240V / Single / 50Hz | | | | | | | | | | | |
| Cooling | Capacity | Rated | kW | 3.3 | 4.2 | 5.3 | 5.3 | 5.4 | 6.8 | 7.2 | 8.0 | 8.3 | 10.2 | | |
| | Input | Rated | kW | 0.85 | 0.98 | 1.40 | 1.40 | 1.32 | 1.84 | 1.85 | 2.25 | 1.97 | 2.80 | | |
| | Design Load | | kW | 3.3 | 4.2 | 5.3 | 5.3 | 5.4 | 6.8 | 7.2 | 8.0 | 8.3 | 10.2 | | |
| | Annual Elect | ricity Consumption*1 | kWh/a | 189 | 169 | 216 | 216 | 222 | 301 | 311 | 368 | 342 | 436 | | |
| | SEER*3 | | | 6.1 | 8.7 | 8.6 | 8.6 | 8.5 | 7.9 | 8.1 | 7.6 | 8.5 | 8.2 | | |
| | | Energy Efficiency (| Class*3 | A++ | A+++ | A+++ | A+++ | A+++ | A++ | A++ | A++ | A+++ | A++ | | |
| Heating | Capacity | Rated | kW | 4.0 | 4.5 | 6.4 | 6.4 | 7.0 | 8.6 | 8.6 | 8.8 | 9.3 | 10.5 | | |
| | Input | Rated | kW | 0.91 | 0.88 | 1.56 | 1.56 | 1.40 | 1.91 | 1.87 | 2.00 | 2.00 | 2.28 | | |
| | Design Load | | kW | 2.7 | 3.5 | 3.5 | 3.5 | 5.2 | 6.8 | 7.0 | 7.0 | 7.0 | 7.4 | | |
| | Declared at r | eference design temperature | kW | 2.2 | 2.7 | 2.7 | 2.7 | 4.2 | 5.7 | 5.6 | 5.6 | 5.8 | 5.9 | | |
| | Capacity at l | vivalent temperature | kW | 2.4 | 2.9 | 2.9 | 2.9 | 4.8 | 6.4 | 6.2 | 6.2 | 6.2 | 6.4 | | |
| | ato | peration limit temperature | kW | 1.6 | 2.3 | 2.3 | 2.1 | 3.2 | 4.6 | 4.8 | 4.8 | 4.9 | 4.9 | | |
| | Back Up Hea | ting Capacity | kW | 0.5 | 0.8 | 0.8 | 0.8 | 1.0 | 1.1 | 1.4 | 1.4 | 1.2 | 1.5 | | |
| | Annual Electricity Consumption*1 | | kWh/a | 944 | 1065 | 1065 | 1089 | 1583 | 2321 | 2389 | 2389 | 2087 | 2205 | | |
| | SCOP*3 | | | 4.0 | 4.6 | 4.6 | 4.5 | 4.6 | 4.1 | 4.1 | 4.1 | 4.7 | 4.7 | | |
| | | Energy Efficiency (| Class*3 | A+ | A++ | A++ | A+ | A++ | A+ | A+ | A+ | A++ | A++ | | |
| Max. Op | erating Current (| ndoor+Outdoor) | А | 10.0 | 12.2 | 12.2 | 12.2 | 18.0 | 18.0 | 18.0 | 18.0 | 21.4 | 21.4 | | |
| | Dimensions | H × W × D | mm | | 550 - 8 | 800 (+69) - 285 | (+59.5) | | 710 - 840 | - 330 (+66) | | 796 - 9 | 50 - 330 | | |
| Unit | Weight | • | kg | 33 | 37 | 37 | 38 | 58 | 58 | 59 | 59 | 62 | 62 | | |
| | Air Volume | Cooling | m³/min | 30.8 | 28.4 | 32.7 | 32.7 | 31 | 35.4 | 35.4 | 40.3 | 57 | 63 | | |
| | | Heating | m³/min | 32.3 | 33.5 | 34.7 | 34.7 | 31 | 39.6 | 42.7 | 44.1 | 62 | 75 | | |
| | Sound Level (S | PL) Cooling | dB(A) | 49 | 44 | 46 | 46 | 46 | 48 | 48 | 50 | 49 | 52 | | |
| | | Heating | dB(A) | 50 | 50 | 51 | 51 | 50 | 53 | 54 | 55 | 51 | 56 | | |
| | Sound Level (P | WL) Cooling | dB(A) | 60 | 59 | 61 | 61 | 60 | 63 | 63 | 65 | 61 | 65 | | |
| | Breaker Size | | А | 15 | 15 | 15 | 15 | 25 | 25 | 25 | 25 | 25 | 25 | | |
| Ext. | Port Diameter | Liquid | mm | 6.35 × 2 | 6.35 × 2 | 6.35 × 2 | 6.35 × 2 | 6.35 × 3 | 6.35 × 3 | 6.35 × 4 | 6.35 × 4 | 6.35 × 4 | 6.35 × 5 | | |
| Piping | | Gas | mm | 9.52 × 2 | 9.52 × 2 | 9.52 × 2 | 9.52 × 2 | 9.52 × 3 | 9.52 × 3 | 12.7 × 1+9.52 × 3 | 12.7 × 1+9.52 × 3 | $12.7 \times 1 + 9.52 \times 3$ | 12.7 × 1+9.52 | | |
| | Total Piping Le | ngth (max) | m | 20 | 30 | 30 | 30 | 50 | 60 | 60 | 60 | 70 | 80 | | |
| | Each Indoor Un | it Piping Length (max) | m | 15 | 20 | 20 | 20 | 25 | 25 | 25 | 25 | 25 | 25 | | |
| | Max. Height | | m | 10 | 15 (10)*2 | 15 (10)*2 | 15 (10)*2 | 15 (10) ^{*2} | 15 (10) ^{*2} | 15 (10) ^{*2} | 15 (10)*2 | 15 | 15 | | |
| | Chargeless Len | gth | m | 20 | 30 | 30 | 30 | 50 | 60 | 60 | 60 | 70 | 80 | | |
| | , and a second s | • | | | | | | | | | | | - | | |

Inverter (2007) T- PAM Power Receiver

| Type (Inv | erter Multi - | Split Hea | at Pump) | | Up to 6 Indoor Units | | |
|-----------|--|------------|---------------------------------------|----------------------|---------------------------------|--|--|
| Indoor Ur | nit | | | | Please refer to*3 | | |
| Outdoor I | Jnit | | | | MXZ-6F120VF2 | | |
| Refrigera | nt | | | | R32 | | |
| Power | door Unit igerant source PY Qutdoor (V/Phase/F ling Capacity Input Design Load Annual Electricity SEER*3 ting Design Load Declared Design Load Declared Back Up Heating (Annual Electricity SCOP*3 c. Operating Current (Indoor door Dimensions Weight Air Volume Sound Level (SPL) Sound Level (SPL) Breaker Size Port Diameter Total Piping Length Each Indoor Unit Pip Max. Height Chargeless Length Chargeless Length | | | Outdoor power supply | | | |
| Supply | Outdoor (V/ | Phase/H | łz) | | 220 - 230 - 240V / Single / 50H | | |
| Cooling | Capacity | | Rated | kW | 12.0 | | |
| | Input | | Rated | kW | 3.60 | | |
| | Design Lo | ad | | kW | 12.0 | | |
| | Annual El | ectricity | Consumption*1 | kWh/a | 612 | | |
| | SEER*3 | | | | 6.86 | | |
| | | | Energy Efficiency C | class*3 | A++ | | |
| Heating | Capacity | | Rated | kW | 14.0 | | |
| | Input | | Rated | kW | 3.31 | | |
| | Design Lo | ad | | kW | 8.1 | | |
| | Declared | at referer | ice design temperature | kW | 6.9 | | |
| | Capacity | at bivaler | nt temperature | kW | 7.6 | | |
| | | | ion limit temperature | kW | 5.7 | | |
| | Back Up H | leating | Capacity | kW | 1.2 | | |
| | Annual El | ectricity | Consumption*1 | kWh/a | 2794 | | |
| | SCOP*3 | | · · · · · · · · · · · · · · · · · · · | | 4.06 | | |
| | | | Energy Efficiency C | lass*3 | A+ | | |
| Max. Op | erating Curre | nt (Indo | or+Outdoor) | А | 29.8 | | |
| Outdoor | Dimensions | | H × W × D | mm | 1048 - 950 - 330 | | |
| Unit | Weight | | | kg | 87 | | |
| | Air Volume | Cooling | | m³/min | 63 | | |
| | Jnit Weight | | Heating | m³/min | 77 | | |
| | Sound Leve | I (SPL) | Cooling | dB(A) | 55 | | |
| | | | Heating | dB(A) | 57 | | |
| | Sound Leve | I (PWL) | Cooling | dB(A) | 69 | | |
| | Breaker Size |) | | Α | 32 | | |
| Ext. | Port Diamet | er | Liquid | mm | 6.35 × 6 | | |
| Piping | | | Gas | mm | 12.7 × 1 + 9.52 × 5 | | |
| | Total Piping | Length | (max) | m | 80 | | |
| | Each Indoor | Unit Pi | oing Length (max) | m | 25 | | |
| | Max. Height | | | m | 15 | | |
| | Chargeless | Length | | m | 80 | | |
| | | g Range | Cooling | °C | -10 ~ +46 | | |
| [Outdoor] | | - | Heating | °C | -15 ~ +24 | | |
| Refrigera | nt/GWP | | | | R32/675*4 | | |
| Pre-Char | ged Quantity | | Weight | kg | 2.4 | | |
| | | | CO ₂ equivalent | t | 1.62 | | |
| Max Add | ed Quantity | | Weight | kg | 2.4 | | |
| | | | | | | | |

m ℃

°C

kg

t

kg

Cooling

Heating

Weight

CO₂ equivalent

Weight CO₂ equivalent

-10 ~ +46

-15 ~ +24

R32/675*

0.8

0.54

0.8

0.54

-10 ~ +46

-15 ~ +24

R32/675*4

1.0

0.68

1.0

0.68

-10 ~ +46

-15 ~ +24

R32/675*4

1.0

0.68

1.0

0.68

-10 ~ +46

-15 ~ +24

R32/675*4

2.4 1.62

2.4

1.62

-10~ +46

-20 ~ +24

R32/675*

1.0

0.68

1.0

0.68

-10 ~ +46

-15 ~ +24

R32/675*4

2.4 1.62

2.4

1.62

-10 ~ +46

-15 ~ +24

R32/675*

2.4 1.62

2.4

1.62

-10 ~ +46

-15 ~ +24

R32/675*4

2.4 1.62

2.4

1.62

*1 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located. *2 If the outdoor unit is installed higher than the indoor unit, max. height is reduced to 10 m.

احداله

| | *3 SEER/SCOP values and | energy efficiency class are measured when connected to the indoor units listed below. |
|---|----------------------------|---|
| - | MXZ-2F33VF4 | MSZ-AY15VGK(P) + MSZ-LN18VG2 |
| - | MXZ-2F42VF4 | MSZ-LN18VG2 + MSZ-LN25VG2 |
| _ | MXZ-2F53VF4/VFH4 | MSZ-LN18VG2 + MSZ-LN35VG2 |
| | MXZ-3F54VF4 | MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 |
| - | MXZ-3F68VF4 | MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2 |
| _ | MXZ-4F72VF4 | MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 +MSZ-LN18VG2 |
| _ | MXZ-4F80VF4 | MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 +MSZ-LN25VG2 |
| | MXZ-4F83VF2 | MSZ-LN18VG + MSZ-LN18VG + MSZ-LN25VG + MSZ-LN25VG |
| - | MXZ-5F102VF2 | MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2 |
| - | MXZ-6F120VF2 | MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2 |
| _ | *4 This GWP value is based | d on Regulation(EU) No 517/2014 from IPCC 4th edition. |
| | | |

-15 ~ +24

R32/675*3

2.4

1.62

2.4

1.62

-10 ~ +46

-10 ~ +46

-15 ~ +24

R32/675*3

2.4 1.62

2.4

1.62

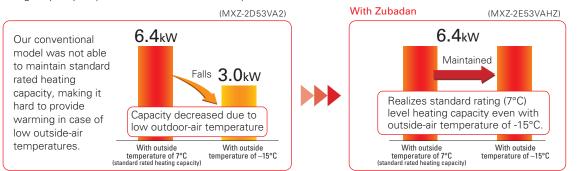
MXZ-VFHZ series

e de

New hyper-heating MXZ allows you to create an oasis of comfort throughout your home and office in the rooms you use most, any time of the year.

Standard rated heating capacity is maintained even when the outside-air temperature drops to –15°C.

Maintains high capacity output even when outside-air temperature is low.



Can operate at outside-air temperature of -25°C

- 1. Incorporated key parts resistant to cold of up to -25°C after rigorous selection.
- 2. Printed circuit board-core of the air conditioner—is coated on both sides to protect it in harsh environments.

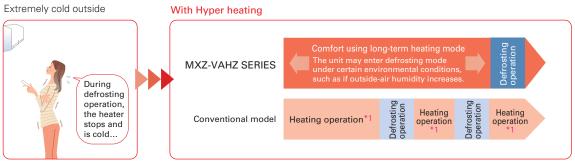
Equipped Freeze-prevention heater as standard

Prevents capacity loss and operation from stopping due to drain water freezing.



Continuous heating for long periods

Wasteful defrosting operation suppressed to enable more comfortable long-term continuous heating.



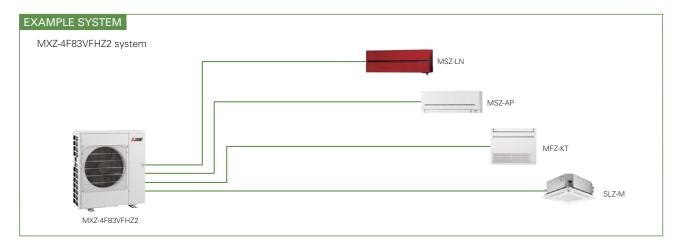
*1: Conventional model performs continuous heating approximately 30min up to a maximum of 90min.

One outdoor unit supports multiple indoor units.

With MXZ-VFHZ, one outdoor unit can cool and heat up to six rooms. They can be installed neatly in sites with limited space such as condominium balconies. e Single air conditioner



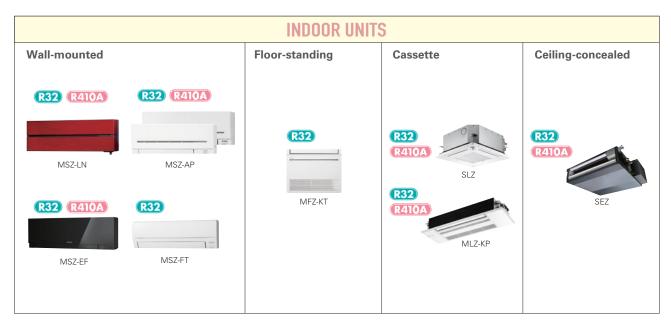
*Please note that cooling and heating modes cannot be run simultaneously in different rooms.



Freedom of combinations in cold region greatly enhanced

The variety of indoor unit connection options in cold regions, restricted until now, has been greatly increased. Increased design freedom.





| Outdoor Unit | |
|---------------|---------------|
| | |
| MXZ-2F53VFHZ2 | MXZ-4F83VFHZ2 |

| Туре | | | | Inverter F | leat Pump | | |
|---|--------------------------|---------------------------------|---|---------------|-----------------------------|--|--|
| Indoor Un | iit | | | | er to*2 *3 | | |
| Outdoor U | Jnit | | | MXZ-2F53VFHZ2 | MXZ-4F83VFHZ2 | | |
| Refrigerar | | | | | | | |
| Power | Source | | | Outdoor p | ower supply | | |
| Supply | Outdoor (V/Phase/H | z) | | | | | |
| Cooling | Capacity | Rated | kW | 5.3 | 8.3 | | |
| , in the second s | | Min - Max | kW | 1.1 - 6.0 | 3.5 - 9.2 | | |
| | Total Input | Rated | kW | 1.29 | 1.90 | | |
| | Design Load | | kW | 5.3 | 8.3 | | |
| | Annual Electricity Co | onsumption*1 | | | 398 | | |
| | SEER*5 | • • • | | | 7.3 | | |
| | | Energy Efficiency Class | | | A++ | | |
| Heating | Capacity | Rated (7°C) | kW | | 9.0 | | |
| (Average | | Rated (–7°C) | | | 9.0 | | |
| Season) | | Rated (-15°C) | | | 9.0 | | |
| | | Min - Max | | | 3.5 - 11.6 | | |
| | Total Input | Rated | | | 1.70 | | |
| | | Design Load | | | 10.1 | | |
| | Declared Capacity | at reference design temperature | | | 10.6 | | |
| | Doolaroa oapaoity | at bivalent temperature | | | 11.5 | | |
| | | at operation limit temperature | | | 5.7 | | |
| | Back Up Heating Capacity | | | | 0.0 | | |
| | Annual Electricity Co | | | | 3286 | | |
| | SCOP*5 | nsumption | KVVII/d | | 4.3 | | |
| | 300F | Energy Efficiency Class | | | 4.5 A+ | | |
| May One | erating Current (Indoo | | | | | | |
| | Dimensions | H×W×D | | | 28.0 1048 × 950 × 330 | | |
| Unit | Weight | HXWXD | | | | | |
| 0 | Air Volume | 0 | KW 6.8 kW 6.4 kW 7.4 | 86 | | | |
| | All volume | Cooling Heating | | | 63 | | |
| | Cound Lough (CDL) | | | | | | |
| | Sound Level (SPL) | Cooling | | - | 55 | | |
| | | Heating | | | 57 | | |
| | Sound Level (PWL) | Cooling | | | 66 | | |
| | Breaker Size | | | | 30 | | |
| Ext. Piping | Diameter | Liquid / Gas | - | | 6.35× 4 / 12.7 × 1+9.52 × 3 | | |
| ripilig | Total Piping Length | | | | 70 | | |
| | Each Indoor Unit Pip | oing Length (max) | m | | 25 | | |
| | Max. Height | | m | - | 15 | | |
| | Chargeless Length | 1 | | | 70 | | |
| | ed Operating Range | Cooling | | · · · | -10 ~ +46 | | |
| [Outdoor] | | Heating | °℃ | -25 ~ +24 | -25 ~ +24 | | |

 [Outdoor]
 Heating
 T
 --zb ~ +z+

 *1 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

 *2 EER/CSP ELL rank, SEEN/SCD values and energy efficiency class are measured when connected to the indoor units listed below. MX2-2F53VFH22 MSZ-LN18VG2 + MSZ-LN35VG2 MX2-4F83VFH22 MSZ-LN18VG2 + MSZ-LN25VG2 + MSZ-LN25VG2

 *3 Indoor unit compatibility table is shown on page 116.

 *4 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CD2, over a period of 100 years. Never try to interfree with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.

 *5 SEER and SCOP are based on 2009/125/EC:Energy-related Products Directive and Regulation(EU) No206/2012.



Multi-port outdoor units exclusively for MSZ-HR indoor units.





3-port MXZ-3HA50VF2

Stylish Design with Flat Panel Front

A stylish flat panel design is employed for the front of the indoor unit. The simple look matches room aesthetics.



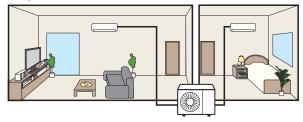
Easy to create various combinations

Wide range of simple combinations only possible using multi-port outdoor units.

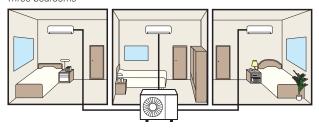
Two bedrooms



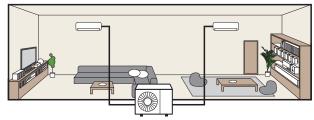
Living room and one bedroom



Three bedrooms



Wide living room



MXZ-HA SERIES



| ype (Inv | rerter Multi - S | plit Heat Pump) | | Up to 2 Inc | door Units | Up to 3 Indoor Units | | | |
|---|--|---|------------------------------------|--|--|-----------------------|--|--|--|
| door Ur | nit | | | | Please refer to*3 | | | | |
|)utdoor | Unit | | | MXZ-2HA40VF2 | MXZ-2HA50VF2 | MXZ-3HA50VF2 | | | |
| efrigera | | | | | R32 | | | | |
| ower | Source | rtdoor (V/Phase/Hz) Capacity Rated KW Min-Max KW Input Rated KW Annual Electricity Consumption*2 KWh/a SEER*1 Capacity Rated KW Capacity | | | Outdoor power supply | | | | |
| upply | | hase/Hz) | | | 220 - 230 - 240V / Single / 50Hz | | | | |
| ooling | | | kW | 4.0 | 5.0 | 5.0 | | | |
| | | | | | MXZ-2HA60VF2 R32 Outdoor power supply 220 - 230 / Single / 50Hz 5.0 1.1 - 5.4 1.52 778 225 778 4.4 + 6.0 1.0 - 6.4 1.52 2.4 2.9 2.1 0.8 1043 4.30 4.30 4.30 4.30 1.12 550 - 800 (+69) - 285 (+59.5) 37 32.7 34.7 47 51 64 15 6.35 x 2 30 20 15 30 -10 - +46 -10 - +46 -10 - +46 0.9 0.61 | 2.9 - 6.5 | | | |
| | Input | | | | | 1.26 | | | |
| | | d | | | | 5.0 | | | |
| | | | kWh/a | - | | | | | |
| | SEER*1 | | | | | 7.26 | | | |
| | | Energy Efficiency (| Class*3 | A++ | - | A++ | | | |
| eating | Capacity | 0 1 1 | | 4.3 | 6.0 | 6.0 | | | |
| | , | | + + | | | 2.6 - 7.5 | | | |
| | Input | | + + | | | 1.30 | | | |
| | | | | | | 4.0 | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | _ <u> </u> | • • • | | | | | | | |
| | | callerty consumption | Kvvnyu | | | 4.02 | | | |
| | 0001 | Energy Efficiency (| lass*3 | | | | | | |
| lay On | erating Curren | 0 1 1 | _ | | | | | | |
| | | | | | | 710 - 840 - 330 (+66) | | | |
| | Weight | 11.2.0.2.0 | | | | | | | |
| | - | Cooling | | | | | | | |
| | All Volume | ° | · · | - | - | | | | |
| | Sound Lovel (| • | | | | | | | |
| | Sound Lever | | | | | | | | |
| | Sound Louol | v | | | | | | | |
| | | (FVVL) Cooling | | | | | | | |
| rt. | | • (tauta | ++ | | | | | | |
| ping | Fort Diamete | | | | | | | | |
| | Total Dining I | NM2 2HA40VF2 NM2 PM2 NM2 PM2 NM2 PM2 B32 Outdoor power supply C20 - 240 - 240 VFS supply C20 - 240 VFS supply C20 - 240 VFS supply MM2 - 440 MFS supply C20 - 240 VFS supply MMA - 440 Supply MMA - 400 Supply MMA - 44 Calspan="2">Calspan="2" MMA - 40 Calspan= Calspan="2" MMA - 4. Calspan="2" Calspan="2" Calspan= Calspan="2" Calspan= Calspan="2" | | | | | | | |
| | | | | | | | | | |
| | | Juit Fiping Length (max) | | | | | | | |
| | | angth | | | | | | | |
| | | | | 30 | | 40 | | | |
| Dutdoor | | | | | | | | | |
| | · | Heating | | D00/07E*4 | | D00/075*4 | | | |
| - | - | 10/sish4 | K a | | | | | | |
| re-cilar | geu Quantity | | | | | | | | |
| | ad Quantity | | | | | | | | |
| aX Add | eu quantity | | | | | | | | |
| Actual e If the ou SEER/S MXZ-2H MXZ-2H | energy consump utdoor unit is ins COP values and IA40VF2 \rightarrow M IA50VF2 \rightarrow M | sed on standard test results. tion will depend on how the talled higher than the indoor energy efficiency class are n SZ-HR25VF + MSZ-HR25VF SZ-HR25VF + MSZ-HR25VF | appliance unit, max neasured | is used and where it is located. . height is reduced to 10 m. when connected to the indoor units listed below. | 0.01 | | | | |

To ensure full capacity in cold and snowy regions...

3 Important Points to Remember When Installing the Outdoor Unit



* RAC/PAC (inc. Air to Water) /MXZ

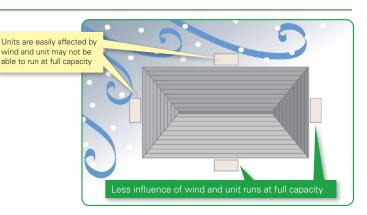
Wind and snow can significantly reduce capacity.

Be sure to check the infomation below and install the outdoor unit correctly.



Installation Location

Be aware of the prevailing wind direction in winter and install the outdoor unit where it is as sheltered as possible.

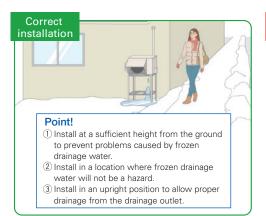




Measures for Drainage of Water

Case 1: Unit is installed close to passage (walkway)

Do not install the unit close to passage as drainage water from the unit may freeze and cause a slipping hazard.







Case 2: Multiple units are installed

Do not install units on top of one another as it may cause frozen drainage water on the bottom unit.

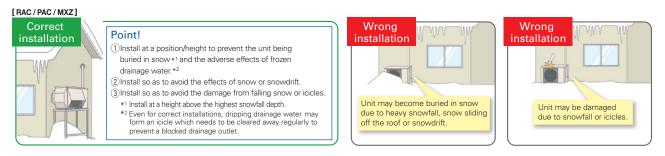




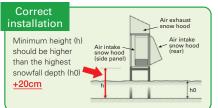
3 Measures for Snow

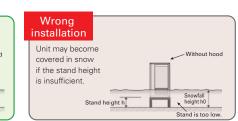
Unit is installed on the ground

To avoid the adverse effects of snow and frozen drainage water, install the unit on a stand to ensure a sufficient height from the ground.

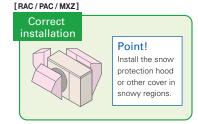


Use a stand to add sufficient height to protect the unit heat exchanger from snow and prevent icicles forming during defrost operation.





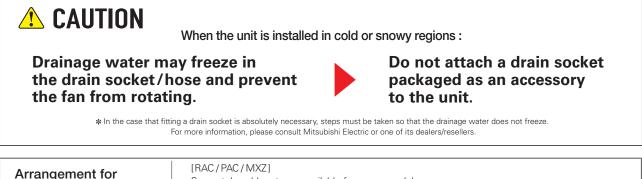
Install snow protection hood as necessary



Necessity of accessories (drain socket & centralised drain pan, stand, snow protection hood, base heater)

| | Snowy region | Cold region | |
|--|---|---------------------------------|--|
| | Countermeasures for snow | Countermeasures for freezing | Remarks |
| Drain socket, Centralised drain pan | Not used | Not used | Prevents freezing |
| Stand | Needed | Needed | [RAC / PAC / MXZ] 1. Install so as to prevent the unit being buried in snow (at a height greater than the highest snowfall depth). Be sure that the stand does not obstruct drainage. 2. Install so as to prevent damage to the unit due to frozen drainage water (icicles). |
| Snow protection hood | Needed *When the installation position is subject to snowfall. | _ | Prevents heat exchanger from being covered in snow. Prevents snow accumulating inside the air duct. |
| Base heater | _ | Needed | [RAC / PAC / MXZ] Outdoor units equipped with a heater for cold regions are those with an "H" in the model name. For the cold-climate zone, use of a unit with a heater is strongly recommended. Even for the moderate-climate zone use of a unit with a heater is recommended for regions subject to high humidity in winter. |

About disposal of drainage water



| Arrangement for | [RAC/PAC/MXZ] Separately sold parts are available for some models. |
|----------------------|---|
| snow protection hood | Please consult Mitsubishi Electric or one of its dealers/resellers at the time of purchase for details. |

Indoor Unit Compatibility Table

| ie co | ombinati | ions of outdoor units | and in | door u | nits are | e show | n belo | w. | | | | | | | | | |
|-------|--------------------------|--|---------|---------|------------|-------------------|---------|---------|-----------|-----------|---------|-----------|----------|----------|------------|-----------|------|
| | | Outdoor Unit | | 400.4 | | 0.1011 | | | verter Mo | dels Heat | Pump Ty | pe | | | | | |
| | | | MXZ-*1 | MXZ-*1 | MXZ-*1 | MXZ ^{*1} | MXZ-*1 | MXZ-*1 | MXZ-*1 | MXZ-*1 | MXZ- | MXZ- | MXZ- | MXZ- | MXZ-*1 | | |
| Jnit | | MSZ-RW25VG | 2F33VF4 | 2F42VF4 | 2F53VF(H)4 | 2F53VFHZ2 | 3F54VF4 | 3F68VF4 | 4F72VF4 | 4F80VF4 | 4F83VF2 | 4F83VFHZ2 | 5F102VF2 | 6F120VF2 | 2 2HA40VF2 | 2 2HA50VF | F2 |
| | Vall- <i>N</i> ounted | MSZ-RW35VG | | • | • | • | • | • | • | • | • | • | • | • | | | _ |
| | | MSZ-RW50VG | | - | - | - | • | • | • | • | • | • | • | • | | | - |
| | | MSZ-LN18VG2(W)(V)(R)(B) | • | • | • | • | • | • | • | • | • | • | • | • | | | _ |
| | | MSZ-LN25VG2(W)(V)(R)(B) | | • | • | • | • | • | | • | • | • | • | • | | | |
| | | MSZ-LN35VG2(W)(V)(R)(B) | | • | • | • | • | • | • | • | • | • | • | • | | | _ |
| | | MSZ-LN50VG2(W)(V)(R)(B) | | | | | | | | | | | | | | | - |
| | | MSZ-FT25VG | | | | • | | | | | | • | | | | | - |
| | | MSZ-FT35VG | | | | | | | | | | | | | | | |
| | | MSZ-FT50VG | | | | | | | | | | | | | | | |
| | | MSZ-AY15VGK(P) | | | | | | | | | | | | | | | |
| | | MSZ-AY20VGK(P) | • | • | • | • | • | | • | • | | | | • | | | |
| | | MSZ-AY25VGK(P) | | | | | | | | | | | | | | | |
| | | MSZ-AY35VGK(P) | | • | • | | | • | • | • | | | • | • | | | |
| | | MSZ-AY42VGK(P) | | | | | | | | | | | | | | | |
| | | MSZ-AY50VGK(P) | | | • | • | • | • | • | • | • | • | • | • | | | |
| | | MSZ-AP60VG(K) | | | | | | | | | | | • | • | | | |
| | | MSZ-AP71VG(K) | | | | 6 | - | | 6 | | • | • | • | • | | | _ |
| | | MSZ-EF18VG(K)(W)(B)(S) | • | • | • | | | | • | | • | | | • | | | |
| | | MSZ-EF22VG(K)(W)(B)(S) | • | • | • | • | • | • | • | • | • | • | • | • | | | _ |
| | | MSZ-EF25VG(K)(W)(B)(S) MSZ-EF35VG(K)(W)(B)(S) | | • | • | • | • | • | • | • | • | • | • | • | | | |
| | | MSZ-EF35VG(K)(W)(B)(S) MSZ-EF42VG(K)(W)(B)(S) | | | • | • | • | • | | | • | | | • | | | _ |
| | | MSZ-EF42VG(K)(W)(B)(S) MSZ-EF50VG(K)(W)(B)(S) | | | • | • | • | • | • | • | • | • | • | • | | | |
| | | MSZ-EF50VG(K)(W)(B)(S) MSZ-BT20VG(K) | | | • | • | • | | • | • | • | • | • | • | | | |
| | | MSZ-BT25VG(K) | • | • | • | • | • | | • | • | • | • | • | • | | | |
| | | MSZ-BT35VG(K) | | | • | • | • | • | | • | • | • | | | | | _ |
| | | MSZ-BT50VG(K) | | - | - | - | - | - | - | - | - | - | - | | | | - |
| | | MSZ-HR25VF(K) | | | | | | | | | | | | | | | _ |
| | | MSZ-HR35VF(K) | | | | | | | | | | | | | • | | - |
| | | MSZ-HR42VF(K) | | | | | | | | | | | | | | | - |
| | | MSZ-HR50VF(K) | | | | | | | | | | | | | | | - |
| | | MSZ-HR60VF(K) | | | | | | | | | | | | | | | |
| | | MSZ-HR71VF(K) | | | | | | | | | | | | | | | |
| | | MSZ-DW25VF | | | | | | | | | | | | | | | |
| | | MSZ-DW35VF | | | | | | | | | | | | | | | |
| | | MSZ-DW50VF | | | | | | | | | | | | | | | |
| | loor- | MFZ-KT25VG | • | • | • | • | • | • | • | | | • | • | • | | | |
| 3 | Standing | MFZ-KT35VG | | | | | | | | | | | | | | | |
| _ | | MFZ-KT50VG | - | - | - | | • | | • | • | | • | • | • | | | _ |
| | -way Cassette | MLZ-KP25VF | | • | | • | | • | • | | | • | | | | | _ |
| | | MLZ-KP35VF | | • | • | • | • | • | • | • | • | • | • | • | | | _ |
| | | MLZ-KP50VF | | | | | • | | | | • | | • | | | | _ |
| s 2 | ×2 | MLZ-KY20VG SLZ-M15FA2 | • | • | • | • | • | • | • | • | • | • | • | • | | | _ |
| | Cassette | SLZ-M15FA2 SLZ-M25FA2 | - | | • | | | | • | | | | | | | | _ |
| | | SLZ-M25FA2 SLZ-M35FA2 | • | • | • | • | • | • | • | • | • | • | • | • | | | |
| | | SLZ-M50FA2 | | | | | • | • | • | • | • | • | • | • | | | - |
| | | SLZ-M60FA2 | | | | | | | | | - | - | | | | | |
| C | Ceiling- | SEZ-M001 A2 SEZ-M25DA2 *2 | • | • | • | | | • | • | • | | • | | • | | | - |
| | Concealed | SEZ-M25DAL2 *2 | • | • | • | • | • | • | • | • | • | • | • | • | | | |
| | | SEZ-M35DA2 | | • | • | • | • | • | • | • | • | • | • | • | | | - |
| | | SEZ-M35DAL2 | | • | • | • | • | • | • | • | • | • | • | • | | | |
| | | SEZ-M50DA2 | | | | | • | • | • | | • | • | • | • | | | 1 |
| | | SEZ-M50DAL2 | | | | | ٠ | ٠ | ٠ | • | • | ٠ | ٠ | ٠ | | | |
| | | SEZ-M60DA2 | | | | | | | | | | | | | | | _ |
| | | SEZ-M60DAL2 | | | | | | | | | | | | | | | |
| | | SEZ-M71DA2 | | | | | | | | | | | | | | | |
| | | SEZ-M71DAL2 | | | | | | | | | | | | | | | |
| | Concealed | SFZ-M25VA | • | • | • | • | • | | • | | | | | | | | |
| | loor- Standing | SFZ-M35VA | | • | | • | | | | | | | | | | | |
| | | SFZ-M50VA | | | | | • | | • | • | | | | | | | |
| | | SFZ-M60VA | | | | | | | • | | | | | | | | |
| | | SFZ-M71VA | | | | | | | | | | | ٠ | • | | | |
| | Ceiling- | PCA-M50KA2 | | | | | | | | | | | | | | | |
| S | Suspended | PCA-M60KA2 | | | | | | • | • | • | | | | | | | _ |
| | | PCA-M71KA2 | | | | | | | | | | | | | | | |
| | Ceiling- | PEAD-M35JA2 | | | | | •*3 | •*3 | •*3 | •*3 | •*3 | •*3*4 | •*3 | •*3 | | | |
| C | Concealed | PEAD-M35JAL2 | | | | | •*3 | •*3 | •*3 | •*3 | •*3 | •*3*4 | •*3 | •*3 | | | |
| | | PEAD-M50JA2 | | | | | •*3 | •*3 | •*3 | •*3 | •*3 | •*3*4 | •*3 | •*3 | | | |
| | | PEAD-M50JAL2 | | | | | •*3 | •*3 | •*3 | •*3 | •*3 | •*3*4 | •*3 | •*3 | | | |
| | | PEAD-M60JA2 | | | | | | | | | •*3 | •*3*4 | •*3 | •*3 | | | |
| | | PEAD-M60JAL2 | | | | | | | | | •*3 | •*3*4 | •*3 | •*3 | | | |
| | | PEAD-M71JA2 | | | | | | | | | •*3 | •*3*4 | •*3 | •*3 | | | - 11 |

*1 MXZ outdoor units are not designed to operate with a single indoor unit with one-to-one piping work. Please install at least two indoor units.
 *2 SEZ-M25 cannot be connected with MXZ-2F/3F/4F when total capacity of connected indoor units is equivalent to outdoor capacity (capacity ratio is 1).
 *3 Maximum total current of indoor units: 3A or less
 *4 P series cannot be connected with MXZ-4F83VFHZ2 when ampere limit adjustment function is operated.









SELECTION

Choose from types of indoor units and outdoor units. Create the system that best matches room shapes and number of rooms.



| R32 | INDOOR UN | ITS | R32 | OUTDOOR UNITS |
|--------------|-----------|-------------------|------------|---------------------|
| Wall-mounted | | Ceiling-suspended | PUMY-SM | |
| MSZ-LN | MSZ-EF | | | |
| MSZ-AY | MSZ-RW | PCA | | |
| MSZ-AP | MSZ-BT | Ceiling-concealed | | SM112/125/140V(Y)KM |
| Cassette | MLZ-KP | SEZ | | |
| SLZ | MLZ-KY | PEAD | | |

| Possible | combinations depends on the outdoor unit chosen. Please check the following points. |
|---|---|
| Check Indoor Units | Refer to the "Indoor Unit Compatibility Table" to check if the indoor units selected can be used with the outdoor unit selected. (Indoor units not listed in the table cannot be used.) |
| Check Indoor Unit Capacity Combination | Refer to the "Combination Table" to check if the capacity combination of the indoor unit selected is connectable. (Combinations not listed cannot be connected.) |

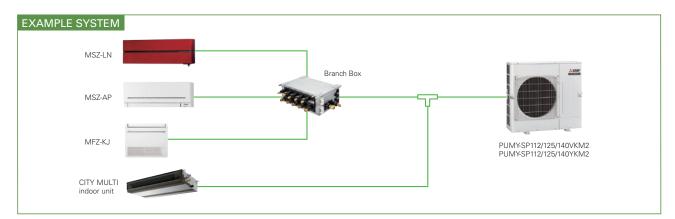
PUMY-SP_{SERIES}

Air conditioning system supports replacement work by simplifying the installation process. Ideal for supporting renewal needs at small offices and stores, home offices, etc.



(R410A)

PUMY-SP112/125/140VKM2 PUMY-SP112/125/140YKM2



Light weight and compact size

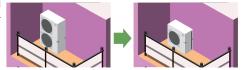
Compact design fits into narrow outdoor unit space of condominiums and offices. Light weight design facilitates easy installation and transportation.



Unobstructive, compact, and easy to hide from view

Conventional 2-fan type outdoor units may spoil the view. Due to its compact size, the new outdoor fan unit can be installed in loca-

tions that would have been inappropriate.



Industry's top energy efficiency

Even with its compact size and light weight, it has a high EER and COP. Costs are reduced with the industry's best energy saving abilities.



Super silent mode*

Noise level can be reduced up to 10dB(A). This allows you to operate the unit even in the night in a residential zone. *Capacity reduction differs by mode setting. *PAC-SC36NA-E is required to activate Super Silent mode

Rear piping is available

Freedom with layout due to its piping pullout locations in four directions

The in-door unit allows piping from any four directions; front, back, bottom, or right. This enables easier horizontal connection for collective layout.

The out-door unit with an expanded piping layout flexibility greatly improves piping workability.

25% reduction

Easy installation and transportation

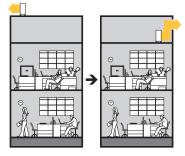
The reduced weight and height allow for better transportation performance. Carrying and installing become easier.



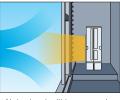
27% reduction

An external static pressure of 30Pa

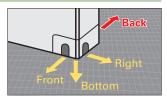
The installation location is flexible thanks to its 30Pa static pressure. You can install it in locations that you could not before.



An external static pressure of 30Pa allows outdoor unit to be installed on balconies in high-rise building or spaces near louvers.



*Noise level will increase when using this function.



PUMY-SP SERIE

| | | | | | | V Power Only | | |
|----|----------|------------------|------------|--------------|-------------|--------------|----------------|--|
| ES | Inverter | $\sim\sim$ | \bigcirc | | WW | PAM | The way was | |
| | | Vector Sine Wave | DC Rotary | DC Fan Motor | Vector-Wave | | Grooved Piping | |

| Cu | *1 ower Input | kW | | e 220-230-240V 50Hz, 220\ | 60Hz | 2 phas | 000 400 445\ (50\ \ 000) | |
|---|---------------------------|--------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| (Nominal) Po | | kW | | | 00112 | 5-pi laa | e 380-400-415V 50Hz, 380\ | / 60Hz |
| Cu | | | 12.5 | 14.0 | 15.5 | 12.5 | 14.0 | 15.5 |
| | | kW | 4.46 | 5.11 | 5.34 | 4.46 | 5.11 | 5.34 |
| E E | urrent Input | A | 20.69 - 19.79 - 18.97, 20.69 | 23.71 - 22.68 - 21.73, 23.71 | 24.77 - 23.70 - 22.71, 24.77 | 7.14 - 6.78 - 6.54, 7.14 | 8.18 - 7.77 - 7.49, 8.18 | 8.55 - 8.12 - 7.83, 8.55 |
| CC | ER | kW/kW | 2.80 | 2.74 | 2.90 | 2.80 | 2.74 | 2.90 |
| Temp. Range of Inc | ndoor Temp. | W.B. | 15.0~24.0°C (59~75°F) |
| Cooling Ou | utdoor Temp.*2 | D.B. | -5.0~52.0°C (23~126°F) |
| Heating Capacity | *3 | kW | 14.0 | 16.0 | 16.5 | 14.0 | 16.0 | 16.5 |
| (Nominal) Po | ower Input | kW | 3.66 | 4.31 | 4.36 | 3.66 | 4.31 | 4.36 |
| Cu | urrent Input | A | 16.98 - 16.24 - 15.57, 16.98 | 20.00 - 19.13 - 18.33, 20.00 | 20.23 - 19.35 - 18.54, 20.23 | 5.86 - 5.57 - 5.36, 5.86 | 6.90 - 6.55 - 6.32, 6.90 | 6.98 - 6.63 - 6.39, 6.98 |
| CC | OP | kW/kW | 3.83 | 3.71 | 3.78 | 3.83 | 3.71 | 3.78 |
| Temp. Range Of Inc | ndoor Temp. | D.B. | 15.0~27.0°C (59~81°F) | 15.0~27.0°C(59~81°F) |
| Heating Ou | utdoor Temp. | W.B. | -20.0~15.0°C (-4~59°F) |
| Indoor Unit To | otal Capacity | | 50~130 % of outdoor unit capacity |
| Connectable Mo | lodel / Quantity | City Multi*4 | 10-140/12 | 10 - 140 / 12 | 10 - 140 / 12 | 10 - 140 / 12 | 10 - 140 / 12 | 10 - 140 / 12 |
| | | Branch Box*6 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 |
| | Mixed System 1 unit | City Multi | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 |
| · | | Branch Box*5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 |
| | Branch | City Multi | 10 - 140 / 3 | 10 - 140 / 3 | 10 - 140 / 3 | 10 - 140 / 3 | 10 - 140 / 3 | 10 - 140 / 3 |
| | Box 2 units | Branch Box*5 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 |
| Sound Pressure Level (Measured In Anechoid | | dB <a> | 52/54 | 53/56 | 54/56 | 52/54 | 53/56 | 54/56 |
| Sound Power Level (Measured In Anechoid | ic Room) | dB <a> | 72/74 | 73/76 | 74/76 | 72/74 | 73/76 | 74/76 |
| Refrigerant Piping Lie | iquid Pipe | mm (in.) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) |
| Diameter Ga | ias Pipe | mm (in.) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) |
| Fan Ty | pe × Quantity | | Propeller Fan × 1 |
| Ai | ir Flow Rate | m³/min | 77 | 83 | 83 | 77 | 83 | 83 |
| | | L/s | 1,283 | 1,383 | 1,383 | 1,283 | 1,383 | 1,383 |
| | | cfm | 2,719 | 2,931 | 2,931 | 2,719 | 2,931 | 2,931 |
| | lotor Output | kW | 0.20 × 1 | 0.20 × 1 | 0.20 × 1 | 0.20 × 1 | 0.20 × 1 | 0.20 × 1 |
| Ex | xternal Static Pre | ess. | 0Pa / 30Pa*6 |
| | ype × Quantity | | | | Twin rotary hermet | tic compressor × 1 | | |
| Starting Method | | | | | Inve | | | |
| | lotor Output | kW | 3.9 | 3.9 | 4.2 | 3.9 | 3.8 | 4.1 |
| External dimension H | ×W×D | mm | | | 981 × 1,050 | | | |
| | | in. | | | 38-5/8 × 41-3/8 | × 13 (+1-37/64) | | |
| Net Weight | | kg (lbs) | | 93 (205)* ⁷ | | | 94 (207)*8 | |

*1,*3 Nominal conditions

| | Indoor | door Outdoor | | Level Difference | External Static Press. (Outdoor Unit) | |
|---------|-------------------|-----------------|-----------------------|------------------|---------------------------------------|--|
| Cooling | 27°C DB / 19°C WB | 35°C | 7.5m (24 - 9 / 16ft.) | 0m (0ft) | 0 Pa | |
| Heating | 20°C DB | 7°C DB / 6°C WB | 7.5m (24 - 9 / 16ft.) | 0m (0ft) | 0 Pa | |

10 to 52°C; incase of connecting PKFY-P15/P20/P25VBM, PKFY-P10/15/20/25/32VLM, PFFY-P20/P25/P32VKM, PFFY-P20/P25/P32VLE(R)M indoor unit and M series indoor unit with connection kit and M series, S series, and P series type indoor unit with branch box.
 *4 It is possible to connect 1 Fresh Air type indoor unit to 1 outdoor unit. (1:1 system)
 *5 At least 2 indoor units must be connected when using branch box.
 *6 0 Pa as initial setting
 *7 94 (207), for PUMYSP112/125/140YKM2-BS
 *8 95 (209), for PUMYSP112/125/140YKM2-BS

| Туре | | | | Branch Box | | | | |
|-----------------------|----------------------------------|-------------------|----|------------------------------|-------------------------------|--|--|--|
| Model Name | • | | | PAC-MK54BC PAC-MK34BC | | | | |
| Connectable | Number of Indoo | r Units | | Maximum 5 Maximum 3 | | | | |
| Power Supp | Power Supply (from outdoor unit) | | | ~ / N, 220 / 230 / 240 V, 50 | Hz, ~ / N, 220 / 230 V, 60 Hz | | | |
| Input | | | kW | 0.0 | 003 | | | |
| Running Cur | rent | | A | 0.05 (N | /lax. 6) | | | |
| Dimensions | | $H\timesW\timesD$ | mm | 170 × 450 × 280 | | | | |
| Weight | | | kg | 7.4 | 6.7 | | | |
| Piping | Branch | Liquid | mm | ø6.35 × 5 | ø6.35 × 3 | | | |
| Connection (Flare) | [Indoor Side] | Gas | mm | ø9.52 × 4, ø12.7 × 1 | ø9.52 × 3 | | | |
| (Flare) | Main | Liquid | mm | ø9 | .52 | | | |
| | [Outdoor Side] | Gas | mm | ø15.88 | | | | |

The piping connection size differs according to the type and capacity of outdoor/indoor units. Match the piping connection size of branch box with outdoor/indoor unit. If the piping connection size of branch box does not match the piping connection size of outdoor/indoor unit, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)

<Branch box compatible table>

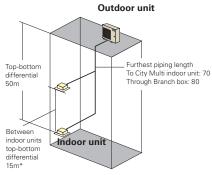
| Outdoor unit | Branch box | PAC-MK31/ 51BC(B) | PAC-MK32/ 52BC(B) | PAC-MK33/ 53BC(B) | PAC-MK33/ 54BC |
|-------------------|-------------------------------|----------------------|----------------------|----------------------|-------------------|
| Outdoor unit 1fan | PUMY-SP112/125/140V/YKM2(-BS) | N/A | N/A | √* | √* |
| Outdoor unit 2fan | PUMY-P112/125/140VKM6(-BS) | N/A | N/A | \checkmark | \checkmark |
| | PUMY-P112/125/140YKM5(-BS) | N/A | N/A | \checkmark | \checkmark |
| | PUMY-P200YKM3(-BS) | N/A | N/A | √* | √* |
| | PUMY-P250/300YBM2(-BS) | N/A | N/A | √* | √* |

| *ecodan | is | NG |
|---------|----|----|
| | | |

[SP112-140V/YKM2(-BS)]

| Refrigerant Piping Lengths | Maximum meters | Vertical differentials I |
|-----------------------------------|-----------------------|--------------------------|
| Total length | 120 | Indoor/outdoor (out |
| Maximum allowable length ·······T | 1 | Indoor/outdoor (out |
| | unit: 70 | Indoor/indoor |
| Т | hrough Branch box: 80 | |

| Vertical differentials between units | Maximum meters |
|--------------------------------------|----------------|
| Indoor/outdoor (outdoor higher) | 50 |
| Indoor/outdoor (outdoor lower) | 30 |
| Indoor/indoor | 15* |



*In case of branch box connection: 12m

PUMY-P_{SERIES}

Air conditioning system supports replacement work by

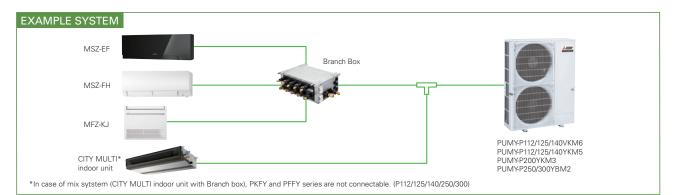
simplifying the installation process. Ideal for supporting re-

newal needs at small offices and stores, home offices, etc.



R410A

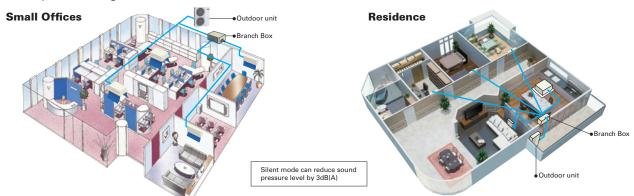
PUMY-P112/125/140VKM6 PUMY-P112/125/140YKM5 PUMY-P200YKM3 PUMY-P250/300YBM2



The two-pipe zoned system designed for Heat Pump Operation

PUMY series make use of a two-pipe refrigerant system, which allows for system changeover from cooling to heating, ensuring that a constant indoor climate is maintained in all zones. The compact outdoor unit utilizes R410A refrigerant and an INVERTER-driven compressor to use energy effectively.

With a wide range of indoor unit line-up in connection with a flexible piping system, PUMY series can be configured for all applications. Up to 12 (P250/300: Up to 30) indoor units can be connected with up to 130% connected capacity to maximize engineer's design options. This feature allows easy air conditioning in each area with convenient individual controllers.



| | | | Maximum Meters | | | | |
|--------------------|---------------------------|---|----------------------|-----------------|---------------------------|---------------------------|--|
| | | | Only City Multi*1 | Only Branch Box | Mixed System (City Multi* | Indoor Unit + Branch Box) | |
| | | | Indoor Unit | Connection | City Multi*1 Indoor Unit | Via Branch Box | |
| P112/125/140 | Refrigerant Piping Length | Total Length | 300 | 150 | 240 (2 Branch boxes |) / 300 (1 Branch box) | |
| | | Maximum Allowable Length | 150 (175 equivalent) | 80 | 85 (95 equivalent) | 80 | |
| | | Farthest Indoor From First Branch | 30 | - | 30 | - | |
| | | Piping Length Between Outdoor Unit and Branch Boxes | - | 55 | - | 55 | |
| | Vertical Differentials | Indoor/Outdoor (Outdoor higher) | 50 | 50 | 5 | 0 | |
| | Between Units | Indoor/Outdoor (Outdoor Lower) | 40*2 | 40 | 4 | 0 | |
| | | Indoor/Indoor | 15 | 12 | 12 | | |
| P200 Refrigerant P | Refrigerant Piping Length | Total Length | 150 | 150 | 150 | | |
| | | Maximum Allowable Length | 80 (90 equivalent) | 80 | 80 (90 equivalent) | 80 | |
| | | Farthest Indoor From First Branch | 30 | - | 30 | - | |
| | | Piping Length Between Outdoor Unit and Branch Boxes | - | 55 | - | 55 | |
| | Vertical Differentials | Indoor/Outdoor (Outdoor higher) | 50 | 50 | 50 | | |
| | Between Units | Indoor/Outdoor (Outdoor Lower) | 40 | 40 | 40 | | |
| | | Indoor/Indoor | 15 | 12 | 12 | | |
| 250/300 | Refrigerant Piping Length | Total Length | 310 | 240 | 310 | | |
| | | Maximum Allowable Length | 150 (175 equivalent) | 80 | 85 (95 equivalent) | 80 | |
| | | Farthest Indoor From First Branch | 30 | - | 30 | - | |
| | | Piping Length Between Outdoor Unit and Branch Boxes | - | 95 | - 95 | | |
| | Vertical Differentials | Indoor/Outdoor (Outdoor higher) | 50 | 50 | 50 | | |
| | Between Units | Indoor/Outdoor (Outdoor Lower) | 40 | 40 | 4 | 0 | |
| | | Indoor/Indoor | 15 | 12 | 12 | | |

*1 Include system with connection kit *2 In case of including PKFY or PFFY, height between units is 30m

30Pa external static pressure* Option (requires PAC-SJ71FM-E)

An external static pressure of 30Pa enables the outdoor unit to be installed on balconies in high-rise building or spaces near louvers.

* PUMY-P112/125/140VKM6(-BS), PUMY-P112/125/140YKM5(-BS)only. * Noise level will increase when using this function. 30Pa external static pressure fan motor (option)



PUMY-P SERIES Inverter

| Model | | | | PUMY-P112VKM6 (-BS) | PUMY-P125VKM6 (-BS) | PUMY-P140VKM6 (-BS) | PUMY-P112YKM5 (-BS) | PUMY-P125YKM5 (-BS) | PUMY-P140YKM5 (-BS) | PUMY-P200YKM3 (-BS) | PUMY-P250YBM2 (-BS) | PUMY-P300YBM2 (-BS) |
|--|-------------|-----------|--------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------|--------------------------|-----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| Power Source | | | | 1-phase 220 | | | | | | hase 380-400-415V 5 | 0Hz | |
| Cooling Capacity | | ¥1 | kW | 12.5 | 14.0 | 15.5 | 12.5 | 14.0 | 15.5 | 22.4 | 28.0 | 33.5 |
| (Nominal) | Power Inp | ut | kW | 4.34 | 5.00 | 5.17 | 4.34 | 5.00 | 5.17 | 7.18 | 8.21 | 11.96 |
| | Current In | put | A | 20.03 - 19.16 - 18.36, 20.03 - 19.16 | 23.08 - 22.08 - 21.16, 23.08 - 22.08 | 23.86 - 22.83 - 21.87, 23.86 - 22.83 | 7.76 - 7.37 - 7.11, 7.76 | 8.45 - 8.02 - 7.73, 8.45 | 8.27 - 7.86 - 7.58, 8.27 | 11.73 - 11.15 - 10.75 | 13.41 - 12.74 - 12.28 | 19.54 - 18.56 - 17.89 |
| | EER | | kW/kW | 2.88 | 2.80 | 3.00 | 2.88 | 2.80 | 3.00 | 3.12 | 3.41 | 2.80 |
| Temp. Range of | Indoor Ter | np. | W.B. | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59~75°F) | 15.0~24.0°C (59 ~75°F) |
| Cooling | Outdoor T | emp.*2,*3 | D.B. | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) | -5.0~52.0°C (23~126°F) |
| Heating Capacity | | *4 | kW | 14.0 | 16.0 | 18.0 | 14.0 | 16.0 | 18.0 | 25.0 | 31.5 | 37.5 |
| (Nominal) | Power Inp | ut | kW | 3.49 | 4.06 | 4.63 | 3.49 | 4.06 | 4.63 | 5.85 | 7.91 | 9.69 |
| | Current In | put | A | 16.11 - 15.41 - 14.77, 16.11 - 15.41 | 18.74 - 17.93 - 17.18, 18.74 - 17.93 | 21.37 - 20.44 - 19.59, 21.37 - 20.44 | 6.24 - 5.93 - 5.72, 6.24 | 6.86 - 6.52 - 6.28, 6.86 | 7.41 - 7.04 - 6.79, 7.41 | 9.56 - 9.08 - 8.76 | 12.92 - 12.28 - 11.83 | 15.83 - 15.04 - 14.50 |
| | COP | | kW/kW | 4.01 | 3.94 | 3.89 | 4.01 | 3.94 | 3.89 | 4.27 | 3.98 | 3.87 |
| Temp. Range Of | Indoor Ter | | D.B. | | | | | | 15.0~27.0°C (59~81°F) | | | 15.0~27.0°C (59~81°F) |
| Heating | Outdoor T | | W.B. | | -20.0~15.0°C (-4~59°F) | -20.0~15.0°C (-4~59°F) | -20.0~15.0°C (-4~59°F) | -20.0~15.0° C(-4~59°F) | -20.0~15.0°C (-4~59°F) | -20.0~15.0°C (-4~59°F) | -20.0~15.0°C (-4~59°F) | -20.0~15.0°C (-4~59°F) |
| Indoor Unit | Total Capa | | | | 50~130 % of outdoor unit capacity | | 50~130 % of outdoor unit capacity | | 50~130 % of outdoor unit capacity | 50~130 % of outdoor unit capacity | 50~130% of outdoor unit capacity | 50~130% of outdoor unit capacity |
| Connectable | Model / Qu | antity | City Multi*5 | 10 - 140 / 9 | 10 - 140 / 10 | 10 - 140 / 12 | 10 - 140 / 9 | 10 - 140 / 10 | 10 - 140 / 12 | 10 - 140 / 12 | 10 - 250 / 30 | 10 - 250 / 30 |
| | | | Branch Box*6 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 50 / 12 | 15 - 50 / 12 |
| | Mixed | | City Multi | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 140 / 5 | 10 - 200 / 5 | 10 - 250 / 25 | 10 - 250 / 25 |
| | System | 1 unit | Branch Box*6 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 | 15 - 100 / 5 |
| | | | City Multi | 10 - 140 / 3 or 2*3 | 10 - 140 / 3 | 10 - 140 / 3 | 10 - 140 / 3 or 2*3 | 10 - 140 / 3 | 10 - 140 / 3 | 10 - 200 / 3 | 10 - 250 / 23 | 10 - 250 / 23 |
| | | 2 units | Branch Box*6 | 15 - 100 / 7 or 8*3 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 7 or 8*3 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 100 / 8 | 15 - 50 / 10 | 15 - 50 / 10 |
| | | | City Multi | - | - | - | - | - | - | - | 10 - 250 / 22 | 10 - 250 / 22 |
| | | 3 units | Branch Box*6 | - | - | - | - | - | - | - | 15 - 50 / 12 | 15 - 50 / 12 |
| Sound Pressure Leve (Measured In Anecho | | | dB <a> | 49/51 | 50/52 | 51/53 | 49/51 | 50/52 | 51/53 | 57/61 | 55/61 | 57/62 |
| Sound Power Level | 10 1100111 | | | | | | | | | | | |
| (Measured In Anecho | | | dB <a> | 69/71 | 70/72 | 71/73 | 69/71 | 70/72 | 71/73 | 76/80 | 74/79 | 75/79 |
| Refrigerant Piping | Liquid Pipe | B | mm (in.) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8) | 9.52 (3/8)*7 | 9.52 (3/8) *8 | 12.7 (1/2) |
| Diameter | Gas Pipe | | mm (in.) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 15.88 (5/8) | 19.05 (4/3) | 22.4 (7/8) | 22.4 (7/8) |
| Fan | Type × Qu | | | Propeller Fan x 2 | Propeller Fan x 2 | Propeller Fan × 2 | Propeller Fan x 2 | Propeller Fan × 2 | Propeller Fan × 2 | Propeller Fan × 2 | Propeller Fan × 2 | Propeller Fan x 2 |
| | Air Flow R | ate | m³/min | 110 | 110 | 110 | 110 | 110 | 110 | 139/141 | 165/183 | 165/183 |
| | | | L/s | 1,833 | 1,833 | 1,833 | 1,833 | 1,833 | 1,833 | 2,317/2,350 | 2,750/3,050 | 2,750/3,050 |
| | | | cfm | 3,884 | 3,884 | 3,884 | 3,884 | 3,884 | 3,884 | 4,909/4,979 | 5,826/6,462 | 5,826/6,462 |
| | Motor Out | | kW | 0.074 × 2 | 0.074 × 2 | 0.074 × 2 | 0.074 × 2 | 0.074 × 2 | 0.074 × 2 | 0.20 × 2 | 0.375 × 2 | 0.375 × 2 |
| Compressor | Type × Qu | | | | | | Scrol | hermetic compress | or × 1 | | | |
| Starting Method | | | | | | | Inverter | | | | | |
| | Motor Out | put | kW | 2.9 | 3.5 | 3.9 | 2.9 | 3.5 | 3.9 | 5.3 | 8.87 | 10.15 |
| External Dimension H | l × W × D | | mm | | | | 338 × 1,050 × 330 (+ | | | | | 0 × 460 (+45) |
| | | | in. | | | 52-11/ | 16 × 41-11/32 × 13 (+ | | | | 65-7/16 × 41-11/32 | |
| Net Weight | | | kg (lbs) | | 123 (271) | | | 125 (276) | | 141 (311) | 192 | (423) |

Net Weight *1.*4 Nominal conditions

| | Indoor | Outdoor | Piping Length | Level Difference |
|---------|-------------------|-----------------|---------------|------------------|
| Cooling | 27°C DB / 19°C WB | 35°C | 7.5m | 0m |
| Heating | 20°C DB | 7°C DB / 6°C WB | 7.5m | 0m |

*2 10 to 52°C D.B.: When connecting PKFYP10/15/20/25/32VLM, PKFYP15/20/25/BM, PFFYP20/25/32VKM and PFFYP20/25/32VCM, PFFYP20/25/32VLE(R)M, PEFYP-VMA3, M, S and P series indoor unit.

*3 When connecting 7 indoor units via branch box, connectable City Multi indoor units are 3; connecting 8 indoor units via branch box, connectable indoor units are 2.
*5 It is possible to connect 1 Fresh Air type indoor unit to 1 outdoor unit. (1:1 system)
*6 At least 2 indoor units must be connected when using branch box.
*7 Liquid pipe diameter: 12.7mm when piping length is more than 60m.
*8 Liquid opie diameter: 12.7mm, when further piping length is longer than 90m, and when PEFYP200 or P250 is connected.

| Туре | | | | Branch Box | | | |
|-------------|------------------|-----------|----|--|------------|--|--|
| Model Name | 9 | | | PAC-MK54BC | PAC-MK34BC | | |
| Connectable | Number of Indoo | or Units | | Maximum 5 | Maximum 3 | | |
| Power Supp | ly (from outdoor | unit) | | ~ / N, 220 / 230 / 240 V, 50 Hz, ~ / N, 220 / 230 V, 60 Hz | | | |
| Input kW | | | | 0.003 | | | |
| Running Cur | ng Current A | | | 0.05 (Max. 6) | | | |
| Dimensions | | H × W × D | mm | 170 × 450 × 280 | | | |
| Weight | | | kg | 7.4 | 6.7 | | |
| Piping | Branch | Liquid | mm | ø6.35 × 5 | ø6.35 × 3 | | |
| Connection | [Indoor Side] | Gas | mm | ø9.52 × 4, ø12.7 × 1 | ø9.52 × 3 | | |
| (Flare) | Main | Liquid | mm | ø9. | 52 | | |
| | [Outdoor Side] | Gas | mm | ø15.88 | | | |

* The piping connection size differs according to the type and capacity of outdoor/indoor units. Match the piping connection size of branch box with outdoor/indoor unit. If the piping connection size of branch box does not match the piping connection size of outdoor/indoor unit, use optional different-diameter (deformed) joints to the branch box side. (Connect deformed joint directly to the branch box side.)

PUMY-SM SERIES

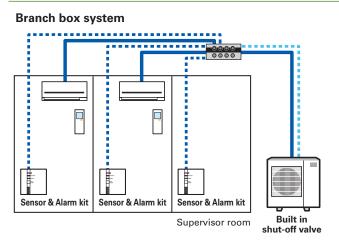
Air conditioning system supports replacement work by simplifying the installation process. Ideal for supporting renewal needs at small offices and stores, home offices, etc.



R32

PUMY-SM112/125/140VKM PUMY-SM112/125/140YKM

System of R32 PUMY



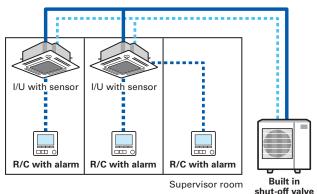
Summary of System component

S&A kit • Remote controller

| | Appearance | System | Features |
|----------------------|--------------|-------------|---|
| S&A kit | PAC-SK60SA-E | Branch box | Connected from branch box Sensor and alarm in the device Have 3 types of LED (operation, detection, error) Detection of refrigerant leakage, a kit alerts and LED flashes in red Alarm can be stopped only by a kit in a room that refrigerant leakage occurred |
| Remote controller | PAR-41MAAB | • Free Plan | Connected from indoor unit Alarm in the device Have a display In case of refrigerant leakage, R/C alerts and error code and address of indoor unit is shown Alarm can be stopped by a R/C in a room that refrigerant leakage occurred and a supervisor room |

* Can be used as a Wired remote control in a Branch box system. However, in this case, a separate S/A kit connection is required

Free plan system



* Solid lines are refrigerant piping. Dotted lines are communication lines

Branch box

| Drai | ICH DOX | | |
|--------------|-------------------|----------------|-------------|
| | | 「 | |
| Model nar | ne | PAC-MMK40BC(B) | PAC-MMK60BC |
| Number o | f ports | 4 ports | 6 ports |
| Refrigerar | it | R32 | R32 |
| Input(kW) | | 0.003 | 0.006 |
| Running c | urrent(A) | 0.15 | 0.30 |
| Size(mm) | Н | 170 | 170 |
| | W | 450 | 665 |
| | D | 372 | 420 |
| Installation | Ceiling-suspended | 1 | 1 |
| | Floor-standing | 1 | 1 |
| | Vertical | 1 | 1 |
| | No need drainpan | 1 | 1 |
| Connection | Flare connection | 1 | 1 |
| | Blazing | 1 | - |

EER

< SEER / SCOP >

| | 1st | 6.35/9.52 |
|----------|--|--|
| | 2nd | 6.35/9.52 |
| | 3rd | 6.35/12.7 |
| | 4th | 6.35/9.52 |
| | 5th | 6.35/9.52 |
| | 6th | 9.52/15.88 |
| g/ 1g | • If n ele | ing connection from both side and ing connection from one side. ecessary, you need to flip over only ctrical box to connect from the er side. |
| ility | fro • Flip diff • ø9. larg | ssible to make piping connection m both side. poing over only electrical box is no ïcult for installer. 52/ø15.88 can be connected to i ge indoor unit placed in a living m or other large room. |
| | | |

SEER

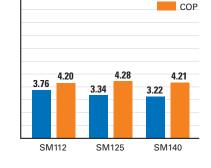
Energy efficiency

Even with its compact size and lightweight, it has a high EER and COP. Costs are reduced with the energy saving abilities.

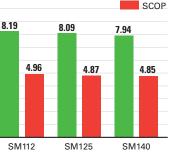
* Temperature conditions

EER : Indoor 27°C DB / Outdoor 35°C DB

COP : Indoor 20°C DB / Outdoor 7°C DB SCOP/SEER: Based on ErP Lot 21/6 calculation method to EN14825.



< EER / COP >

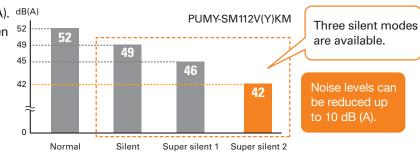


Super silent mode*

- Noise level can be reduced up to 10dB(A). dB(A)
- This allows you to operate the unit even

in the night in a residential zone.

Capacity reduction differs by mode setting.
PAC-SC36NA-E is required to activate Super Silent mode.
Cooling mode only.



PUMY-SM SERIES Inverter VVV PAM

| EER kW / kW 3.76 3.34 3.22 3.76 3.34 Temp. Range of Cooling Indoor Temp.*1 W.B. 15.0-24.0°C (59-75°F) 15.0-24.0°C (59-75°F) <td< th=""><th>15.5 4.81 - 7.35 - 7.09 / 7.74 3.22 - 24.0°C (5975°F) 52.0°C (23126°F) 175 4.16 - 6.31 - 6.08 / 6.64 4.21 - 27.0°C (5981°F) - 15.0°C (-4-59°F)</th></td<> | 15.5 4.81 - 7.35 - 7.09 / 7.74 3.22 - 24.0°C (5975°F) 52.0°C (23126°F) 175 4.16 - 6.31 - 6.08 / 6.64 4.21 - 27.0°C (5981°F) - 15.0°C (-4-59°F) |
|--|---|
| Power Input Current Input kW 3.32 4.19 4.81 3.32 4.19 Current Input A 15.40 - 14.73 - 14.12 / 15.40 19.43 - 18.59 - 17.81 / 19.43 22.45 - 21.47 - 20.58 / 22.45 5.31 - 5.04 - 4.86 / 5.31 6.70 - 6.37 - 6.14 / 6.70 7.74 Femp. Range of Cooling Indoor Temp.*1 W.B. 15.0 - 24.0°C (59 - 75°F) 15.0 - 24.0°C (59 - 75°F) 15.0 - 24.0°C (59 - 75°F) 15.0 - 24.0°C (23 - 126°F) -5.0 - 52.0°C | 4.81 - 7.35 - 7.09 / 7.74 3.22 -24.0°C (59–75°F) 52.0°C (23–126°F) 17.5 4.16 - 6.31 - 6.08 / 6.64 4.21 -27.0°C (59–81°F) - 7.5.0°C (4–59°F) |
| Current Input A 15 40 - 14 .73 - 14 .12 / 15 40 19.43 - 18.59 - 17.81 / 19.43 22.45 - 21.47 - 20.58 / 22.45 5.31 - 5.04 - 4.86 / 5.31 6.70 - 6.37 - 6.14 / 6.70 77.4 EER kW / kW 3.76 3.34 3.22 3.76 3.34 5.00 Temp. Range of Cooling Indoor Temp*1 W.B. 15.0 - 24.0°C (59-75°F) 15.0 - 52.0°C (23-126°F) 5.0 - 52.0°C (23-1 | - 735 - 709 / 7.74 3.22 -24.0°C (59-75°F) 52.0°C (23-126°F) 175 4.16 -6.31 - 6.08 / 6.64 4.21 -270°C (59-81°F) - 15.0°C (4-59°F) |
| EER kW / kW 3.76 3.34 3.22 3.76 3.34 Temp. Range of Cooling Indoor Temp.*1 W.B. 15.0-24.0°C (59-75°F) 15.0-24.0°C (23-126°F) -5.0-52.0°C (23-126°F) -5.0-5 | 3.22 -24.0°C (59-75°F) 52.0°C (23-126°F) 17.5 4.16 -6.31 - 6.08 / 6.64 4.21 -27.0°C (59-81°F) ~15.0°C (-4-59°F) |
| Temp. Range of Cooling Indoor Temp.*1 W.B. 15.0-24.0°C (59-75°F) 15.0-24.0°C (59-75 | -24.0°C (59~75°F) 52.0°C (23~126°F) 17.5 4.16 - 6.31 - 6.08 / 6.64 4.21 ~27.0°C (59~81°F) ~15.0°C (-4~59°F) |
| Cooling Outdoor Temp.*** D.B. 5.0-52.0°C (23-126°F) -5.0-52.0°C (23-126°F)< | 52.0°C (23~126°F) 17.5 4.16 - 6.31 - 6.08 / 6.64 4.21 ~27.0°C (59~81°F) ~15.0°C (-4~59°F) |
| Heating Capacity (Nominal) kW 14.0 16.0 17.5 14.0 16.0 Quere Input kW 3.33 3.74 4.16 3.33 3.74 Current Input A 15.45 - 14.77 - 14.16 / 15.45 1730 - 16.55 - 15.86 / 1730 19.25 - 18.41 - 17.64 / 19.25 5.33 - 5.06 - 4.88 / 5.33 5.97 - 5.46 / 5.97 6.64 - 4.21 COP kW/ kW 4.20 4.28 4.21 4.20 4.28 | 17.5 4.16 - 6.31 - 6.08 / 6.64 4.21 ~27.0°C(59~81°F) ~15.0°C (-4~59°F) |
| Power Input kW 3.33 3.74 4.16 3.33 3.74 Current Input A 15.45 - 14.77 - 14.16 / 15.45 17.30 - 16.55 - 15.66 / 17.30 19.25 - 18.41 - 17.64 / 19.25 5.33 - 5.06 - 4.88 / 5.33 5.97 - 5.67 - 5.46 / 5.97 6.64 - 6.42 COP KW / KW 4.20 4.28 4.21 4.20 4.28 | 4.16 - 6.31 - 6.08 / 6.64 4.21 ~27.0°C(59~81°F) ~15.0°C (-4~59°F) |
| Current Input A 15.45 - 14.77 - 14.16 / 15.45 1730 - 16.55 - 15.86 / 1730 19.25 - 18.41 - 17.64 / 19.25 5.33 - 5.06 - 4.88 / 5.33 5.97 - 5.67 - 5.46 / 5.97 6.64 - COP kW / kW 4.20 4.28 4.21 4.20 4.28 | - 6.31 - 6.08 / 6.64 4.21 ~27.0°C(59~81°F) ~15.0°C (-4~59°F) |
| COP kW/kW 4.20 4.28 4.21 4.20 4.28 | 4.21 ~27.0°C(59~81°F) ~15.0°C (-4~59°F) |
| | ~27.0°C(59~81°F) ~15.0°C (-4~59°F) |
| Temp Bange Of Indeer Temp D.B. 15.0. 270°C (50. 91°E) 15.0. 270°C (5 | ~15.0°C (-4~59°F) |
| $10.0\%27.0 \ C(33\%011)$ | |
| Heating Outdoor Temp. W.B20.0~15.0°C (4~59°F) -20.0~15.0°C (4~5 | |
| Indoor Unit Total Capacity 50-130 % of outdoor unit capacity 50-130 % of o | % of outdoor unit capacity |
| Connectable Model / Quantity City Multi 10-140/12 10-140/12 10-140/12 10-140/12 10-140/12 10-140/12 | 10 - 140 / 12 |
| Branch Box 15 - 100 / 8 15 - 100 / 8 15 - 100 / 8 15 - 100 / 8 15 - 100 / 8 | 15 - 100 / 8 |
| Branch City Multi 10 - 140 / 3 or 5 ⁺⁴ 10 |) - 140 / 3 or 5*4 |
| box 1 unit Branch Box 15 - 100 / 4 or 6*5 15 - | 5 - 100 / 4 or 6*5 |
| Branch City Multi 10 - 140 / 2 or 3*6 10 | - 140 / 2 or 3*6 |
| box 2unit Branch Box 15 - 100 / 8 15 - 100 / 8 15 - 100 / 8 15 - 100 / 8 15 - 100 / 8 | 15 - 100 / 8 |
| Sound Presuure Level (Cooling/Heating) dB <a> 52/54 53/56 54/56 52/54 53/56 | 54/56 |
| Sound Power Level (Cooling/Heating) dB <a> 72/74 74/76 74/76 72/74 74/76 | 74/76 |
| Refrigerant Piping Liquid Pipe mm (in.) 9.52 Flare 9.52 Flare 9.52 Flare 9.52 Flare 9.52 Flare 9.52 Flare | 9.52 Flare |
| Diameter Gas Pipe mm (in.) 15.88 Flare 15.88 Flare 15.88 Flare 15.88 Flare 15.88 Flare 15.88 Flare | 15.88 Flare |
| Fan Type × Quantity Propeller Fan × 1 | opeller Fan × 1 |
| Air Flow Rate m ³ /min 77 83 83 77 83 | 83 |
| L/s 1,283 1,383 1,383 1,283 1,383 | 1,383 |
| cfm 2,719 2,931 2,931 2,719 2,931 | 2,931 |
| Motor Output kW 0.20 × 1 0.20 × 1 0.20 × 1 0.20 × 1 0.20 × 1 | 0.20 × 1 |
| External Static Press. 0Pa / 30Pa*7 | 0Pa / 30Pa*7 |
| Compressor Type × Quantity Twin rotary hermetic compressor × 1 | |
| Starting Method Inverter | |
| Motor Output kW 2.3 2.6 3.0 2.3 2.6 | 3.0 |
| External Dimension H × W × D mm 981 × 1,050 × 330 (+40) | |
| in. 38-5/8 × 41-3/8 × 13 (+1-37/64) | |
| NetWeight kg (lbs) 95 (209)* ⁶ 97(214) * ⁹ | |
| Pre-Charged Weight kg 3.0 3.0 3.0 3.0 3.0 3.0 3.0 | 3.0 |
| Quantity CO2 equivalent t 2.03 2.03 2.03 2.03 2.03 2.03 | 2.03 |
| Max System Weight kg 7.5 7.5 7.5 7.5 7.5 7.5 7.5 | 7.5 |
| Quantity CO2 equivalent t 5.06 5.06 5.06 5.06 5.06 | |

* www

 Quantity
 CO2 equivalent
 t
 5.06
 5.06
 5.06
 5.06
 5.06

 *11 15 to 23°C when using branch box(M/S/P series)
 *2 10 to 52°C. incase of connecting PKr+MS*VKM, PKF+MS*VLM indoor unit and M series, S series and P series type indoor unit with branch box.
 *3 -15 to 52., when using an optional air protect guide [PAC-SH95AC-E]. However, this condition does not apply to the indoor unit listed in*1.
 *4 When connected branch box is PAC-MMK60BC, connectable City Multi indoor units are 3; connected branch box is PAC-MMK40BC(B), connectable indoor units are 5.
 *50 When connected branch box is PAC-MMK40BC(B) and PAC-MMK60BC, connectable City Multi indoor units are 5;

 *6 When connected branch boxes are PAC-MMK40BC(B) and PAC-MMK60BC and PAC-MMK60BC are not allowed.
 *7 O Pa as initial setting

 *7 O Pa as initial setting
 *8 96 (212), for PUMY-SM112/125/140YKM-BS

Indoor unit connectable table

| Model | | PUMY-SM112V(Y)KM | PUMY-SM125V(Y)KM | PUMY-SM140V(Y)KM |
|------------------|---------------|------------------|------------------|------------------|
| CM Indoor Only | | 12 | 12 | 12 |
| Branch Box Only | | 8 | 8 | 8 |
| Mix System | CM Indoor | 3 | 3 | 3 |
| Branch Box 1unit | Branch Box | 6 | 6 | 6 |
| PAC-MMK60BC | | 9 | 9 | 9 |
| Mix System | CM Indoor | 5 | 5 | 5 |
| Branch Box 2unit | Branch Box | 4 | 4 | 4 |
| PAC-MMK40BC(B) | | 9 | 9 | 9 |
| Mix System | CM Indoor | 2 | 2 | 2 |
| Branch Box 2unit | Branch Box | 8 | 8 | 8 |
| PAC-MMK60BC + P | AC-MMK40BC(B) | 10 | 10 | 10 |
| Mix System | CM Indoor | 3 | 3 | 3 |
| Branch Box 2unit | Branch Box | 8 | 8 | 8 |
| PAC-MMK40BC(B) | 2unit | 11 | 11 | 11 |

■ PUMY-SP Series Branch Box Connection Compatibility Table for PUMY-SP112/125/140

| Series | Turne | Model Name | | | | | | Capacity | | | | | |
|----------|-------------------|------------------|-----|----|----|----|-----|----------|----|-----|-----|-----|-----|
| Series | Туре | wodel Name | 15 | 18 | 20 | 22 | 25 | 35 | 42 | 50 | 60 | 71 | 100 |
| M series | Wall-Mounted | MSZ-LN•VG2 | | | | | | | | | | | |
| | | MSZ-RW•VG-E | | | | | • | | | • | | | |
| | | MSZ-AP•VG(K) | | | | | | | | | | | |
| | | MSZ-AY•VG(K)(P) | • | | • | | • | | • | • | | | |
| | | MSZ-FH•VE2 | | | | | | | | | | | |
| | | MSZ-EF•VG(K) | | • | | • | • | | • | • | | | |
| | | MSZ-SF•VA | | | | | | | | | | | |
| | | MSZ-AP•VF-E | | | | | | | | | | | |
| | | MSZ-SF•VE3 | | | | | | | | | | | |
| | | MSZ-GF•VE2 | | | | | | | | | • | | |
| | Floor-Standing | MFZ-KT•VG | | | | | | | | | | | |
| | | MFZ-KJ•VE-E | | | | | | | | | | | |
| | 1-way Cassette | MLZ-KP•VF | | | | | | | | | | | |
| | | MLZ-KA•VA-E | | | | | • | • | | | | | |
| S series | Ceiling-Concealed | SEZ-M•DA(L)(2) | | | | | ●*1 | ●*1 | | ●*1 | ●*1 | ●*1 | |
| | | SEZ-KD•VA-E | | | | | ●*1 | •*1 | | ●*1 | ●*1 | •*1 | |
| | 2×2 Cassette | SLZ-M•FA(2) | ●*1 | | | | •*1 | ●*1 | | ●*1 | | | |
| | | SLZ-KF•VA-E | | | | | •*1 | •*1 | | ●*1 | | | |
| P series | Ceiling-Suspended | PCA-M•KA(2) | | | | | | ●*1 | | ●*1 | •*1 | •*1 | •*1 |
| | | PCA-RP•KAQ-E | | | | | | •*1 | | •*1 | ●*1 | ●*1 | •*1 |
| | 4-way Cassette | PLA-M•EA(2) | | | | | | •*1 | | ●*1 | •*1 | •*1 | •*1 |
| | | PLA-RP•EA-E | | | | | | •*1 | | ●*1 | ●*1 | ●*1 | •*1 |
| | Ceiling-Concealed | PEAD-M•JA(L)(2) | | | | | | | | ●*1 | •*1 | •*1 | •*1 |
| | | PEAD-RP•JAQ(L)-E | | | | | | | | •*1 | ●*1 | ●*1 | ●*1 |

*1 Some functions that can be used by connecting to the P series outdoor unit cannot be used with the PUMY series.

LEV Kit Connection Compatibility Table for PUMY-SP112/125/140

| Series | I/U Type | Model Name | | | | | Cap | acity | | | | |
|----------|----------------|-----------------|----|----|----|----|-----|-------|----|----|----|----|
| Series | i/O Type | WIDGermanie | 15 | 18 | 20 | 22 | 25 | 35 | 42 | 50 | 60 | 71 |
| M series | Wall-Mounted | MSZ-LN•VG2 | | | | | | | | | | |
| | | MSZ-AP•VG(K) | • | | • | | • | • | • | • | | |
| | | MSZ-AY•VG(K)(P) | | | | | | | | | | |
| | | MSZ-FH•VE2 | | | | | • | • | | • | | |
| | | MSZ-EF•VG(K) | | • | | | • | • | • | • | | |
| | | MSZ-SF•VA | | | | | | | | | | |
| | | MSZ-AP•VF-E | • | | • | | | | | | | |
| | | MSZ-SF•VE3 | | | | | | | | | | |
| | Floor-Standing | MFZ-KT•VG | | | | | • | • | | • | | |

CITY MULTI Indoor Unit Compatibility Table for PUMY-SP112/125/140

| Series | Туре | Model Name | | | | | | | Cap | pacity | | | | | | |
|-----------------|-------------------|--------------------|-----|-----|-----|-----|-----|-----|---------|-----------|-----|-----|------|------|------|------|
| Series | Type | woder warne | P10 | P15 | P20 | P25 | P32 | P40 | P50 | P63 | P71 | P80 | P100 | P125 | P140 | P200 |
| CITY | 1-way cassette | PMFY-P•VBM-E | | | | | | | | | | | | | | |
| MULTI series | 2-way cassette | PLFY-P•VLMD-E | | | | | | | | | | | | • | | |
| series | 4-way cassette | PLFY-M•VEM-E | | | | | | | | | | | | | | |
| | | PLFY-M•VEM6-E | | | | | | | | | | | | • | | |
| | | PLFY-P•VBM-E | | | | | | | | | | | | | | |
| | | PLFY-P•VEM-E | | | | | | | | | | | | • | | |
| | | PLFY-P•VCM-E | | | | | | | | | | | | | | |
| | | PLFY-P•VFM-E | | | | | | | | | | | | | | |
| | Ceiling-concealed | PEFY-P•VMR-E-L/R | | | | | | | | | | | | | | |
| | | PEFY-P•VMS1(L)-E | | | | | | | | | | | | | | |
| | | PLFY-P•VMA(L)-E | | | | | | | | | | | | | | |
| | | PEFY-M•VMA(L)-A(1) | | | | | | | | | | | | | | |
| | | PEFY-P•VMH(S)-E | | | | | | | | | | | | | | |
| | | PEFY-P•VMH-E-F | | | | | | | | | | | | | | |
| | | PEFY-P•VMHS-E-F | | | | | | | | | | | | | | |
| | Ceiling-suspended | PCFY-P•VKM-E | • | | | | | | | | | | | | | |
| | Wall-mounted | PKFY-P•VLM-E | | | | | | | | | | | | | | |
| | | PKFY-P•VBM-E | | | | | | | | | | | | | | |
| | | PKFY-P•VHM-E | | | | | | | | | | | | | | |
| | | PKFY-P•VKM-E | | | | | | | | | | | | | | |
| | Built in | PDFY-P•VM-E | | | | | | | | | | | | | | |
| | Floor-standing | PFFY-P•VKM-E2 | | | | | | | | | | | | | | |
| | | PFFY-P•VLEM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VLRM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VLRMM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VCM-E | | | | | | | | | | | | | | |
| | Lossnay *1 | | | | | | | | GUF-50/ | 100RD(H)4 | | | | | | |

*1 Do not connect Lossnay remote controller(s). (PZ-61DR-E, PZ-60DR-E, PZ-52SF-E, PZ-43SMF-E)

■ PUMY-P Series Branch Box Connection Compatibility Table for PUMY-P112/125/140/200

| Series | Туре | Model Name | | | | | | Capacity | | | | | |
|----------|-------------------|------------------|----|----|----|----|----|----------|----|----|----|----|-----|
| Series | Type | woder warne | 15 | 18 | 20 | 22 | 25 | 35 | 42 | 50 | 60 | 71 | 100 |
| M series | Wall-Mounted | MSZ-LN•VG2 | | | | | | | | | | | |
| | | MSZ-AP•VG(K) | | | • | | • | • | • | • | | | |
| | | MSZ-AY•VG(K)(P) | | | | | | • | | | | | |
| | | MSZ-FH•VE2 | | | | | • | • | | • | | | |
| | | MSZ-EF•VE | | | | | | • | | | | | |
| | | MSZ-EF•VG(K) | | • | | • | • | • | • | • | | | |
| | | MSZ-SF•VA | | | | | | | | | | | |
| | | MSZ-AP•VF | | | • | | | | | | | | |
| | | MSZ-SF•VE3 | | | | | | | | | | | |
| | | MSZ-GF•VE2 | | | | | | | | | | | |
| | Floor-Standing | MFZ-KT•VG | | | | | | | | | | | |
| | | MFZ-KJ•VE-E | | | | | | | | | | | |
| | 1-way Cassette | MLZ-KP•VF | | | | | | • | | | | | |
| | | MLZ-KA•VA-E | | | | | | | | | | | |
| S series | Ceiling-Concealed | SEZ-M•DA(L) | | | | | | | | | | | |
| | | SEZ-KD•VA-E | | | | | | | | | | • | |
| | | SEZ-M•DA(L)2-E | | | | | | | | | | | |
| | 2×2 Cassette | SLZ-M•FA(2) | | | | | • | | | | | | |
| | | SLZ-KF•VA-E | | | | | | | | | | | |
| P series | Ceiling-Suspended | PCA-M•KA(2) | | | | | | • | | | • | • | • |
| | | PCA-RP•KAQ-E | | | | | | | | | | | |
| | 4-way Cassette | PLA-M•EA(2) | | | | | | | | | | • | |
| | | PLA-RP•EA-E | | | | | | | | | | | |
| | Ceiling-Concealed | PEAD-M•JA(L) | | | | | | | | | • | • | |
| | | PEAD-RP•JA(L)Q-E | | | | | | | | | | | |
| | | PEAD-M•DA(L)2 | | | | | | | | | • | • | |

LEV Kit Connection Compatibility Table for PUMY-P112/125/140/200

| Series | I/U Type | Model Name | | | | | Cap | acity | | | | |
|----------|----------------|-----------------|----|----|----|----|-----|-------|----|----|----|----|
| Genes | 1/0 Type | Widder Name | 15 | 18 | 20 | 22 | 25 | 35 | 42 | 50 | 60 | 71 |
| M series | Wall-Mounted | MSZ-LN•VG2 | | | | | | | | | | |
| | | MSZ-AP•VG(K) | | | | | | | | | | |
| | | MSZ-AY•VG(K)(P) | | | | | | | | | | |
| | | MSZ-FH•VE2 | | | | | | | | | | |
| | | MSZ-EF•VG(K) | | | | | | | | | | |
| | | MSZ-SF•VA | | | | | | | | | | |
| | | MSZ-SF•VE3 | | | | | | | | | | |
| | Floor-Standing | MFZ-KT•VG | | | | | | | | | | |

CITY MULTI Indoor Unit Compatibility Table for PUMY-P112/125/140

| Series | Turne | Model Name | | | | | | | Cap | acity | | | | | | |
|--------|-------------------|--------------------|-----|-----|-----|-----|-----|-----|----------|----------|-----|-----|------|------|------|------|
| Series | Туре | woder name | P10 | P15 | P20 | P25 | P32 | P40 | P50 | P63 | P71 | P80 | P100 | P125 | P140 | P200 |
| CITY | 1-way cassette | PMFY-P•VBM-E | | | | | | | | | | | | | | |
| MULTI | 2-way cassette | PLFY-P•VLMD-E | | | | • | | | • | • | | | • | | | |
| series | 4-way cassette | PLFY-M•VEM-E | | | | | | | | • | | | • | | | |
| | | PLFY-M•VEM6-E | | | | • | | | • | • | • | | • | | | |
| | | PLFY-P•VFM-E | | | | | | | | | | | | | | |
| | Ceiling-concealed | PEFY-P•VMR-E-L/R | | | | | | | | | | | | | | |
| | | PEFY-P•VMS1(L)-E | | | | | | | | • | | | | | | |
| | | PEFY-M•VMA(L)-A(1) | | | | | | | • | • | • | | • | | | |
| | | PEFY-P•VMHS-E | | | | | | | | | | | | | | |
| | | PEFY-P•VMHS-E-F | | | | | | | | | | | | | | |
| | Ceiling-suspended | PCFY-P•VKM-E | | | | | | | | | | | | | | |
| | Wall-mounted | PKFY-P•VLM-E | | | | | | | | | | | | | | |
| | | PKFY-P•VKM-E | | | | | | | | | | | | | | |
| | Floor-standing | PFFY-P•VKM-E2 | | | | | | | | | | | | | | |
| | | PFFY-P•VLEM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VLRM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VLRMM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VCM-E | | | | | | | | | | | | | | |
| | ATW | PWFY-P•VM-E1 *1 | | | | | | | | | | | | | | |
| | Lossnay *2 | | | | | | | | GUF-50/1 | 00RD(H)4 | | | | | | |

CITY MULTI Indoor Unit Compatibility Table for PUMY-P200

| Series | Туре | Model Name | | | | | | | Cap | acity | | | | | | |
|--------|-------------------|--------------------|-----|-----|-----|-----|-----|-----|----------|----------|-----|-----|------|------|------|------|
| Selles | type | Woder Name | P10 | P15 | P20 | P25 | P32 | P40 | P50 | P63 | P71 | P80 | P100 | P125 | P140 | P200 |
| CITY | 1-way cassette | PMFY-P•VBM-E | | | | | | | | | | | | | | |
| MULTI | 2-way cassette | PLFY-P•VLMD-E | | | | | • | | | | | | | | | |
| series | 4-way cassette | PLFY-M•VEM-E | | | | | | | | | | | | | | |
| | | PLFY-M•VEM6-E | | | | | • | | | | | | • | • | | |
| | | PLFY-P•VFM-E | | | | | | | | | | | | | | |
| | Ceiling-concealed | PEFY-P•VMR-E-L/R | | | | • | • | | | | | | | | | |
| | | PEFY-M•VMA(L)-A(1) | | | | | • | | | | | | | | | |
| | | PEFY-P•VMHS-E | | | | | | | | • | | | • | • | • | |
| | | PEFY-P•VMHS-E-F | | | | | | | | | | | | | | |
| | Ceiling-suspended | PCFY-P•VKM-E | | | | | | | | | | | • | • | | |
| | Wall-mounted | PKFY-P•VLM-E | | | | | | | | | | | | | | |
| | | PKFY-P•VKM-E | | | | | | | | | | | • | | | |
| | Floor-standing | PFFY-P•VKM-E2 | | | | | | | | | | | | | | |
| | | PFFY-P•VLEM-E | | | | • | | | | | | | | | | |
| | | PFFY-P•VLRM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VLRMM-E | | | | | | | | | | | | | | |
| | | PFFY-P•VCM-E | | | | | | | | | | | | | | |
| | Lossnay *2 | | | | | | | | GUF-50/1 | 00RD(H)4 | | | | | | |

*1 Note that connection is not allowed inside EU countries and UK. PWFY can not connect to PUMY-P200YKM3.
*2 Do not connect Lossnay remote controller(s). (PZ-61DR-E, PZ-60DR-E, PZ-52SF-E, PZ-43SMF-E)

■ PUMY-P Series Branch Box Connection Compatibility Table for PUMY-P250/300

| Series | Туре | Model Name | | | | | Capacity | | | | | | |
|----------|-------------------|-----------------|----|----|----|----|----------|----|----|----|----|----|-----|
| Series | Type | Woder Name | 15 | 18 | 20 | 22 | 25 | 35 | 42 | 50 | 60 | 71 | 100 |
| M series | Wall-Mounted | MSZ-LN•VG2 | | | | | | | | | | | |
| | | MSZ-RW•VG-E | | | | | • | • | | • | | | |
| | | MSZ-AP•VG(K) | | | | | | | | | | | |
| | | MSZ-AY•VG(K)(P) | • | | | | • | • | • | • | | | |
| | | MSZ-FH•VE2 | | | | | | | | | | | |
| | | MSZ-EF•VG(K) | | | | | | | | | | | |
| | Floor-Standing | MSZ-KT•VG | | | | | | | | | | | |
| S series | Ceiling Concealed | SEZ-M•DA(L)2 | | | | | | | | | | | |
| | 2×2 Cassette | SLZ-M•FA2 | | | | | | • | | | | | |
| P series | Ceiling Suspended | PCA-M•KA2 | | | | | | | | | | | • |
| | 4-way Cassette | PCA-M•EA2 | | | | | | • | | | | • | • |
| | Ceiling Concealed | PEAD-M•JA(2) | | | | | | | | | | | |

LEV Kit Connection Compatibility Table for PUMY-P250/300

| Series | I/U Type | Model Name | Capacity | | | | | | | | | |
|----------|----------------|-----------------|----------|----|----|----|----|----|----|----|--|--|
| Selles | 1/0 Type | | 15 | 18 | 20 | 22 | 25 | 35 | 42 | 50 | | |
| M series | Wall-Mounted | MSZ-LN•VG2 | | | | | | | | | | |
| | | MSZ-AP•VG(K) | | | | | | | | | | |
| | | MSZ-AY•VG(K)(P) | • | | | | | | | • | | |
| | | MSZ-FH•VE2 | | | | | | | | | | |
| | | MSZ-EF•VG(K) | | | | | • | | • | | | |
| | Floor-Standing | MFZ-KT•VG | | | | | | | | | | |

CITY MULTI Indoor Unit Compatibility Table for PUMY-P250/300

| Series | Tura | Model Name | | | | | | | | Capacity | | | | | | | |
|-------------------------|-------------------|------------------|-----|-----|-----|-----|-----|-----|-----|-----------|------|-----|------|------|------|------|------|
| Series | Туре | woder name | P10 | P15 | P20 | P25 | P32 | P40 | P50 | P63 | P71 | P80 | P100 | P125 | P140 | P200 | P250 |
| CITY MULTI series | 1-way cassette | PMFY-P•VBM-E | | | | | | | | | | | | | | | |
| | 2-way cassette | PLFY-P•VLMD-E | | | • | • | ٠ | • | • | • | | | • | ٠ | | | |
| 561165 | 4-way cassette | PLFY-M•VEM-E | | | | | | | | • | | | | | | | |
| | | PLFY-M•VEM6-E | | | | | | | | | | | | | | | |
| | | PLFY-P•VFM-E | | | | | | | | | | | | | | | |
| | Ceiling-concealed | PEFY-P•VMR-E-L/R | | | | • | | | | | | | | | | | |
| | | PEFY-P•VMS1(L)-E | | ٠ | | | ٠ | | ٠ | • | | | | | | | |
| | | PEFY-M•VMA(L)-A | | | | | | | • | | | | | • | • | | |
| | | PEFY-P•VMA(L)-A1 | | | • | • | ٠ | | • | • | ٠ | | | | | | |
| | | PEFY-P•VMHS-E | | | | | | | | | | | | | • | | • |
| | | PEFY-P•VMHS-E-F | | | | | | | | | | | | | | | |
| | Ceiling-suspended | PCFY-P•VKM-E | | | | | | | | • | | | • | • | | | |
| | Wall-mounted | PKFY-P•VLM-E | | | | | • | | | | | | | | | | |
| | | PKFY-P•VKM-E | | | | | | | | | | | | | | | |
| | Floor-standing | PFFY-P•VKM-E2 | | | | | | | | | | | | | | | |
| | | PFFY-P•VLEM-E | | | • | • | ٠ | • | • | • | | | | | | | |
| | | PFFY-P•VCM-E | | | | | | | | • | | | | | | | |
| | Lossnay *1 | | | | | | | | GUF | -50/100RE | (H)4 | | | | | | |

*1 Do not connect Lossnay remote controller(s). (PZ-61DR-E, PZ-60DR-E, PZ-52SF-E, PZ-43SMF-E)

■ PUMY-SM Series

Branch Box Connection Compatibility Table for PUMY-SM112/125/140

| Model Na | me | 15 | 18 | 20 | 22 | 25 | 35 | 42 | 50 | 60 | 71 | 100 |
|----------|-----------------|----|----|----|----|----|----|----|----|----|----|-----|
| M series | MSZ-RW•VG | | | | | | | | | | | |
| | MSZ-LN•VG2 | | | | | | • | | • | | | |
| | MSZ-AP•VG(K) | • | | • | | | | | | | | |
| | MSZ-AY•VG(K)(P) | • | | • | | • | • | • | • | | | |
| | MSZ-EF•VG(K) | | • | | • | | | | | | | |
| | MSZ-BT•VG(K) | | | | | • | • | | | | | |
| | MLZ-KY•VG | | | | | | | | | | | |
| | MLZ-KP•VF | | | | | | | | | | | |
| S series | SEZ-M•DA(L)2 | | | | | | | | | • | | |
| | SLZ-M•FA2 | • | | | | | • | | • | | | |
| P series | PCA-M•KA2 | | | | | | | | | • | | |
| | PLA-M•EA2 | | | | | | | | | | | |
| | PEAD-M•JA(L)2 | | | | | | | | • | | | |

CITY MULTI Indoor Unit Compatibility Table for PUMY-SM112/125/140

| Model Na | ıme | Sensor | 10 | 15 | 20 | 25 | 32 | 40 | 50 | 63 | 71 | 80 | 100 | 125 | 140 |
|-----------------|------------------|--------------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|
| CITY | PLFY-M•VEM6-E | | | | • | • | • | | | • | • | • | | | |
| MULTI series | PEFY-M•VMA(L)-A1 | | | | • | • | • | | • | • | • | • | | • | • |
| Selles | PLFY-MS•VEM-E | \checkmark | | | • | • | • | ٠ | • | • | | • | ٠ | | |
| | PLFY-MS•VFM-E | < | | • | • | • | • | | • | | | | | | |
| | PCFY-MS•VKM-E | \checkmark | | | | | | ٠ | | • | | | ٠ | ٠ | |
| | PKFY-MS•VLM-E | \checkmark | • | • | • | • | • | | • | | | | | | |
| | PKFY-MS•VKM-E | \checkmark | | | | | | | | • | | | | | |
| | PEFY-MS•VMA(L)-A | \checkmark | | | | • | • | | • | • | | • | | | • |

Outdoor Unit Functions

Demand control

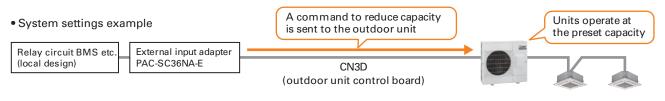
This function reduces the capacity of the outdoor/heat source unit by way of the external input to the outdoor unit.

The capacity of the outdoor unit can be reduced in steps, with patterns ranging from 2 to 12 control steps depending on the system. The number of steps that can be set and the corresponding capacity are shown below.

• 2 steps (0-100%) • 4 steps (0-50-75-100%) • 8 steps (0-25-38-50-63-75-88-100%) • 12 steps (0-17-25-34-42-50-59-67-75-84-92-100%)

Possible usage

When power consumption is centrally-controlled within a building, the system can be made to operate in capacity-save mode by receiving external signals



Pump down function

This function collects the refrigerant that remains in the indoor unit and the outdoor/heat source unit piping when the refrigerant piping needs to be removed, such as when the air conditioner is relocated.

This function can also be used to stop the operation of the indoor unit and return the refrigerant to the outdoor/heat source unit in the event that a r efrigerant leak is detected.

* To detect a refrigerant leak, a circuit that includes a refrigerant leak detection sensor must be designed and prepared on site

Dual Set point

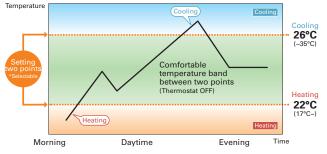
Normally, the desired room temperature is set to the same value for cooling and heating. However, the dual set point function allows different temperatures to be set for cooling and heating. When operation switches from cooling to heating or vice versa, the preset temperature changes accordingly.

Setting dual set points in Auto mode on R2 models improves energy efficiency, compared to setting a single set point.

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

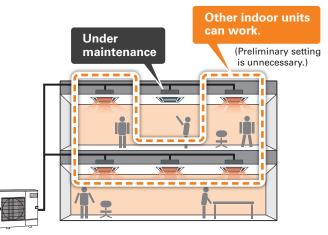
The outdoor unit does not operate in the comfortable temperature band defined by two temperature points where the thermostat is off. This cuts down on unnecessary operation of the air conditioning system. This function is supported only when all the indoor units, remote controllers, and system control lers that are connected to a given group are compatible with the function.

• Operation pattern in Auto (dual set point) mode



Individual LEV control

Even if one of the indoor units stops for repair, the LEV of the indoor unit can be closed so that the other indoor units can continue to operate. (No preliminary setting is necessary.)



NEW ECODESIGN DIRECTIVE

WHAT IS THE ErP DIRECTIVE?

The Ecodesign Directive for Energy-related Products (ErP Directive) establishes a framework to set mandatory standards for ErPs sold in the European Union (EU). The ErP directive introduces new energy-efficiency ratings across various product categories and affects how products such as computers, vacuum cleaners, boilers and even windows are classified in terms of environmental performance.

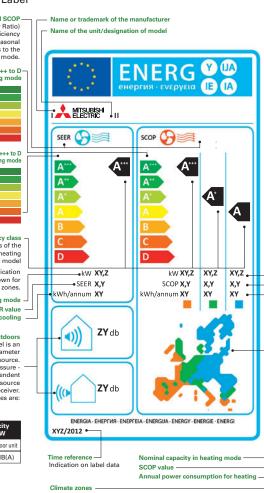
Regulations that apply to air conditioning systems of rated capacity up to 12kW came into effect as of January 1, 2013. Based the use of futureorientated technologies, Mitsubishi Electric is one step ahead of these changes, with our air conditioning systems already achieving compliance with these new regulations.

NEW ENERGY LABEL AND MEASUREMENTS

Under regulation 2011/626/EU, supplementing directive 2010/30/EU, air conditioning systems are newly classified into energy-efficiency classes on the basis of a new energy labelling system, which includes three new classes: A^+ , A^{++} and A^{+++} .

Revisions to the measurement points and calculations of the seasonal energy efficiency ratio (SEER) and seasonal coefficient of performance (SCOP) has resulted in changes to how air conditioning systems are classified into energy-efficiency classes.

Specifically, for cooling mode, air conditioning systems must achieve at least class B. For heating mode, air conditioning systems must achieve at least a SCOP value of 3.8.



■New Energy Efficiency Label

■Climate Zones for Heating Mode

SEER and SCOP. The SEER (Seasonal Energy Efficiency Ratio) value indicates the seasonal energy efficiency value in the cooling mode. The SCOP (Seasonal Coefficient of Performance) value refers to the seasonal efficiency in the heating mode. Energy efficiency classes from A+++ to D SCOP in heating mode A+++ > 5.1 A++ > 4,6 Energy efficiency classes from A+++ to D SEER in cooling mode A+++ > 8,5 Energy efficiency class Energy efficiency class of the unit in cooling and heating mode of the unit model In the heating mode, the indication for the unit model is shown for all three climate zones. Nominal capacity in cooling mode SEER value Annual power consumption for co Operating noise, indoors/outdoors The sound power level is an important sound energy parameter for assessing a sound source. Contrary to the sound pressure the sound power is independent of the location of the source and/or the receiver. Maximally admissible values are:

| Cooling ca ≤6 kW | pacity | Cooling >6 kW ≤ | |
|---------------------|--------------|--------------------|--------------|
| Indoor unit | Outdoor unit | Indoor unit | Outdoor unit |
| 60dB(A) | 65dB(A) | 65dB(A) | 70dB(A) |

Climate zones For heating mode, the EU is divided into three climate zones for calculation and classification purposes. This aims at calculating the energy efficiency taking into consideration the actual regional ambient temperatures. Reference climate zones for calculating the SCOP Since the climate conditions have a great influence on the operating behaviour in the heat pump mode, three climate zones have been stipulated for the EU: warm, moderate, cold. The measurement points are homogenous at 12°C, 7°C, 2°C and –7°C.



| | Temperat | ure conditions | |
|---------|----------|----------------|---------|
| Partial | Outdoors | | Indoors |
| load | DB | WB | DB |
| - | - | - | 20°C |
| 100% | 2°C | 1°C | 20°C |
| 64% | 7°C | 6°C | 20°C |
| 29% | 12°C | 11°C | 20°C |

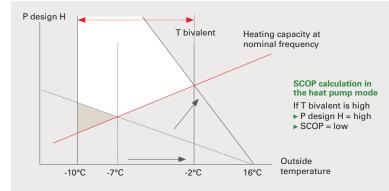
| | Temperat | ure conditions | |
|---------|----------|----------------|---------|
| Partial | Outdoors | | Indoors |
| load | DB | WB | DB |
| 88% | -7°C | –8°C | 20°C |
| 54% | 2°C | 1°C | 20°C |
| 35% | 7°C | 6°C | 20°C |
| 15% | 12°C | 11°C | 20°C |

| Temperature conditions | | | | | | | | | | |
|------------------------|----------|------|---------|--|--|--|--|--|--|--|
| Partial | Outdoors | | Indoors | | | | | | | |
| load | DB | WB | DB | | | | | | | |
| 61% | -7°C | –8°C | 20°C | | | | | | | |
| 37% | 2°C | 1°C | 20°C | | | | | | | |
| 24% | 7°C | 6°C | 20°C | | | | | | | |
| 11% | 12°C | 11°C | 20°C | | | | | | | |

SEER/SCOP

Air conditioning systems were previously assessed using the energy-efficiency rating (EER), which evaluated efficiency in cooling mode, and the coefficient of performance (COP), which defined the efficiency, or the ratio of consumed and output power, in heating mode. Under this system, assessments were not truly reflective of performance as they were based on a single measurement point, which led to manufacturers optimising products accordingly in order to achieve higher efficiency ratings. SEER and SCOP address this problem by including seasonal variation in the ratings via use of realistic measurement points. For cooling mode, measurements at outside temperatures of 20, 25, 30 and 35°C are incorporated and weighted in accordance with climate data for Strasbourg, which is used as a single reference point for the whole EU. For instance, for partial-load operation, which represents more than 90% of operation, there is a correspondingly high weighting for the efficiency classification. For heating mode, a comprehensive temperature profile for the whole EU was not possible, so the EU has been divided into three climate zones, north, central and south, and load profiles created. The same measurement points, at outside temperatures of 12, 7, 2 and -7° C, are used for all three zones.

■SCOP Calculation



Technical Terms with Respect to the SCOP

P design H: Corresponds to a heating load of 100%. The value depends on the selected bivalence point. T design: Outside temperature which determines the P design H point. The latter is determined from the area conditions.

T bivalent: Corresponds to the lowest temperature at which full heating performance can be achieved with the heat pump (without additional heating). This point can be freely selected within the prescribed temperature ranges (T design - T bivalent).

SOUND PRESSURE LEVEL

Consumers will also receive more information on the noise levels emitted by split-system air conditioners to help them make their purchasing decision. Specifically, the sound power level of indoor and outdoor units is to be indicated in decibels as an objective parameter. Knowing the sound power makes it possible to calculate sound emissions while considering distance and radiation characteristics, which is beneficial because it allows the noise levels of different air conditioning systems to be compared regardless of the usage location and how the sound pressure is measured. This is an improvement on sound pressure values which are usually measured at an approximate distance of 1m where all modern split-system air conditioning systems tend to be very quiet at an average of 21 decibels.

Sound Pressure vs Sound Power Level



Sound pressure level dB(A) The sound pressure level is a sound field parameter which indicates the perceived operating noise of an indoor unit within a certain distance.

Sound power level dB(A) The sound power is an acoustic parameter whi describes the source strength of a sound general

The sound power is an acoustic parameter which describes the source strength of a sound generator and is thus independent of the distance to the receiver location.

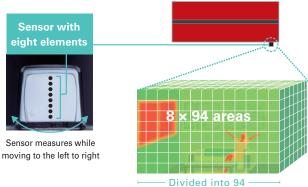
COMFORT

3D i-see Sensor

(Image)

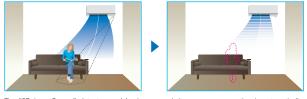
3D i-see Sensor for M SERIES

The LN Series and FH Series are equipped with the 3D i-see Sensor, an infrared-ray sensor that measures the temperature at distant positions. While moving to the left and right, eight vertically arranged sensor elements analyze the room temperature in three dimensions. This detailed analysis makes it possible to judge where people are in the room, thus allowing creation of features such as "Indirect airflow," to avoid airflow hitting people directly, and "direct airflow" to deliver airflow to where people are.



No occupancy energy-saving mode

The sensors detect whether there are people in the room. When no-one is in the room, the unit automatically switches to energy-saving mode.



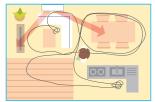
The "3D i-see Sensor" detects people's absence and the power consumption is automatically reduced approximately 10% after 10 minutes and 20% after 60 minutes.

Indirect Airflow

The indirect airflow setting can be used when the flow of air feels too strong or direct. For example, it can be used during cooling to avert airflow and prevent body temperature from becoming excessively cooled.



Even Airflow *LN Series only Normal swing mode



The airflow is distributed equally throughout the room, even to spaces where there is no human movement.

No occupany Auto-OFF mode *LN Series only

The sensors detect whether or not there are people in the room. When there is no one in the room, the unit turns off automatically.

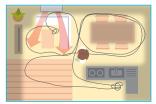


Direct Airflow

This setting can be used to directly target airflow at people such as for immediate comfort when coming indoors on a hot (cold) day.



Even airflow mode



The 3D i-see sensor memorizes human movement and furniture positions, and efficiently distributes airflow.

ENERGY-SAVING

Econo Cool Energy-Saving Feature

"Econo Cool" is an intelligent temperature control feature that adjusts the amount of air directed towards the body based on the air-outlet temperature. The setting temperature can be raised by as much as 2°C without any loss in comfort, thereby realising a 20% gain in energy efficiency. (Function only available during manual cooling operation.)

| | Conventional | Econo Cool |
|-----------------------|--------------|------------|
| Ambient temperature | 35°C | 35°C |
| Set temperature | 25°C | 27°C |
| Perceived temperature | 30°C | 29.3°C |

Econo Cool Mode

A comfortable room environment is maintained even when setting the temperature 2°C higher than the conventional cooling mode.

Econo Cool on



16 18 20 22 24 26 28





Demand Function (Onsite Adjustment)

The demand function can be activated when the unit is equipped with a commercially available timer or an On/Off switch is added to the CNDM connector (option) on the control board of the outdoor unit. Energy consumption can be reduced up to 100% of the normal consumption according to the signal input from outside.

[Example: Power Inverter Series]

Limit energy consumption by changing the settings of SW7-1, SW2 and SW3 on the control board of the outdoor unit. The following settings are possible.

| SW7-1 | SW2 | SW3 | Energy consumption |
|-------|-----|-----|--------------------|
| | OFF | OFF | 100% |
| ON | ON | OFF | 75% |
| UN | ON | ON | 50% |
| | OFF | ON | 0% (Stop) |

*PUHZ outdoor only

AIR DISTRIBUTION

Double Vane

Double vane separates the airflow in the different directions to deliver airflow not only across a wide area of the room, but also simultaneously to two people in different locations.

🍃 Horizontal Vane

The air outlet vane swings up and down so that the airflow is spread evenly throughout the room.

🔭 Vertical Vane

The air outlet fin swings from side to side so that the airflow reaches every part of the room.

🖏 High Ceiling Mode

In the case of rooms with high ceilings, the outlet-air volume can be increased to ensure that air is circulated all the way to the floor.

💹 Low Ceiling Mode

If the room has a low ceiling, the airflow volume can be reduced for less draft.

😘🗤 Auto Fan Speed Mode

The airflow speed mode adjusts the fan speed of the indoor unit automatically according to the present room conditions.

irculator Mode Circulator Mode

After reaching the target temperature, heating mode will automatically switch to circulator mode, which makes the unit go into "fan-only" state and mixes warm air to eliminate uneven temperature in the room.

AIR QUALITY

Plasma Quad Plus

Plasma Quad Plus is a plasma-based filter system that effectively removes six kinds of air pollutants. Plasma Quad Plus captures mold and allergens more effectively than Plasma Quad. It can also capture PM2.5 and particles smaller than 2.5µm, creating healthy living spaces for all.

Bacteria

<LN series> Neutralizes 99% of Staphylococcus aureus in 162 minutes in a 25 m³ test space. Test No.2016-0118 tested by KRCES-Bio.

tested by KRCES-Bio



<AY series 15/20 > Neutralizes 99% of Staphylococcus aureus in 20 minutes.*¹ Test No.2022_1528 tested by KRCES-Bio. Neutralizes 93.9% in one pass conversion.



<LN series> Neutralized 99.8% of SARS-CoV-2 in 360 minutes.*1

Test No.20KB070569 tested by Japan Textile Products Quality and Technology Center Neutralizes 99% of Influenza A virus particles in 72minutes in a 25 m³ test space. Test No.28-002 tested by vrc.center, SMC

<AY series 25-50>

Neutralized 99.8% of SARS-CoV-2 in 360 minutes.*1 Test No.20KB070569 tested by Japan Textile Products Quality and Technology Center Neutralizes 99% of Influenza A virus particles in 210.5minutes in a 25 m³ test space. Test No. R4-001 tested by National Hospital Organization Sendai Medical Center

<AY series 15/20 > Neutralizes 99% of Influenza A virus particles in 20 minutes.*¹ Test No. 2022_0528 tested by KRCES-Bio. Neutralizes 95.8% in one pass conversion.

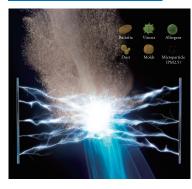
Allergens

<LN series> Neutralizes 98% of cat fur and pollen.*1 Test No. T1606028 tested by ITEA Inc.

<AY series 25-50> Neutralizes 98% of cat fur and pollen.*1 Test No. T1606028 tested by ITEA Inc.

<AY series 15/20 > Neutralizes 91.8% of pollen.*1 Test No. T2301012 tested by ITEA Inc.

Image of Plasma Quad Plus





<LN series> Neutralizes 90% of PM2.5 particles in 83minutes, 99% of PM2.5 particles in 166minutes in a 28 m³

test space. In-Company Investigation

<AY series 25-50> Neutralizes 90% of PM2.5 particles in 189 minutes, 99% of PM2.5 particles in 378 minutes in a 28 m³ test space. Test No. LSRL 21010 F105 tested by Life Science Research Laboratory (Japan)

<AY series 15/20 > Neutralizes 90% of PM2.5 particles in one pass. Test No. LSRL_21010_G063 tested by Life Science Research Laboratory (Japan)



Neutralizes 99% of Penicillium citrinum in 135 minutes in a 25 m³ test space.

<LN series>

Molds



Test No. 16069353001-0201 tested by Japan Food Research Laboratories

<AY series 25-50> Neutralizes 99% of Penicillium citrinum in 251 minutes in a 25 m³ test space. Test No.22046475001-0401 tested by Japan Food Research Laboratories

<AY series 15/20 > Neutralizes 99% of Penicillium citrinum in 191 minutes in a 25 m3 test space. Test No. LSRL-2101-G060 tested by Japan Food Research Laboratories

Dust

<LN series> Neutralizes 99.7% of dust and mites.*¹ Test No.T1606028 tested by ITEA Inc.

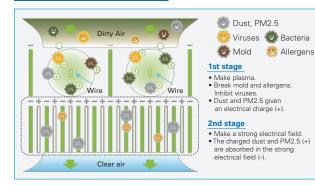


<AY series 25-50> Neutralizes 99.7% of dust and mites.*1 Test No.T1606028 tested by ITEA Inc.

<AY series 15/20 > Neutralizes 97% of dust (JIS test POWDER 1 Class 11(JIS11)).*1 Test No.LSRL:21010_G063 tested by ITEA Inc.

*1 The test was conducted on the Plasma Quad Plus device alone, not designed to evaluate product performance

Principle of Plasma Quad Plus





Hi-performance Plasma Filtration System

Quad Connect (Optional Parts) Plasma

Plasma Quad Connect is an high-performance air purifying device which can even be installed on the existing units, contributing to a better air quality in your room. Plasma Quad Connect applies a voltage of 6,000 volts to the electrode to generate plasma, effectively removing various kinds of particles such as viruses, bacteria, molds, allergens, dust, and PM2.5.



Specifications

| Model Name | MAC-100FT-E | PAC-HA11PAR, PAC-HA31PAR PAC-HA21PAU, PAC-HA31PAU (Attachment for Ducted Indoor Units)*1.*3 | PAC-KE91PTB-E, PAC-KE92PTB-E PAC-KE93PTB-E, PAC-KE94PTB-E PAC-KE95PTB-E (Box for Ducted Indoor Units) *1, *3 | PAC-SK51FT-E *4 | SLP-2FAP , SLP-2FALP SLP-2FALMP2 |
|-------------------|---|---|---|---|---|
| Product Image | | PQ attachment | +5 L PQ box | | |
| Compatible with | MSZ, PKA, and PKFY*2 (Wall mounted models) | SEZ, PEAD, and PEFY $^{\ast 2}$ | PEAD, and PEFY $^{\ast 2}$ | PLA and PLFY ^{*2} (4-way Cassette 3×3 models) | SLZ, and PLFY ^{*2} (2×2 Cassette) |
| Input Voltage | Single Phase AC220~240V | _ | _ | Single Phase AC220~240V | Single Phase AC220~240V |
| Fequency | 50/60Hz | _ | - | 50/60Hz | 50/60Hz |
| Power Consumption | 4W | _ | _ | 4W | 4W |
| Size H×W×D | 56mm × 499.5mm × 168mm | *6 | 247mm×917mm×179mm* ⁷ | 134mm × 840mm × 840mm | 20mm × 625mm × 625mm |
| Weight | 1,600g | 360g *6 | 4,570g *7 | 8,700g | 4,400g |

*1 Both MAC-100FT-E and PQ Attachment or PQ box will be required when using with ducted models. *2 Please contact your nearest sales office about compatible model. *3 Specifications are subject to change without notice. *4 When multi-functional casement or automatic filter elevation panel is used/installed, PAC-SK51FT-E can not be used. *5 The image shows rear suction. *6 Depends on model. Shows weight of PAC-HA11PAR. *7 Depends on model. Shows size/weight of PAC-KE92PTB-E. *8 Plasma Quad Connect cannot be used with PAC-SK54/46KFE (V blocking filter).

Test Report Results Following test results were conducted under controlled laboratory conditions. Performance might differ in real life environment.

| Tested Materials | | Tested Standard | Capacity | Time | Result | Testing Organization | Test Report |
|------------------|---------------------------------|--------------------|------------------|--------|----------------------------------|--|----------------------|
| Virus | New Coronavirus (SARS-CoV-2) | Original | _*8 | 360min | 99.8% inhibited ^{*9} | Japan Textile Products Quality and Technology Center | 20KB070569 |
| Vilus | Influenza A | JEM1467 | 25m [®] | 175min | 99% inhibited *10 | SMC Virus Research Center Japan (JAPAN) | R2-003 |
| Bacteria | Staphylococcus Aureus | GB21551.6-2010 | 30m [®] | 335min | 99% inhibited *10 | CHEARI (Beijing) Certification & Testing Co., Ltd. | WK-21-50161 |
| Mold | Penicillium Citrinum | JEM1467 | 25m ³ | 160min | 99% inhibited *10 | Life Science Research Laboratory (JAPAN) | LSRL- 51021E-E091 |
| Allergen | Cat Fur and Pollen | Original | *8 | - | 98% inhibited *11 | Institute of Tokyo Environmental Allergy (JAPAN) | No.T1606028 |
| Dust | Dust and Mites | Original | | _ | 99.7% inhibited *11 | Institute of Tokyo Environmental Allergy (JAPAN) | No.T1606028 |
| PM 2.5 | Cigarette smoke | JEM1467 | 25m [®] | 300min | 99% inhibited *10 | Life Science Research Laboratory (JAPAN) | SRL-21010E- E091 |

*8 The test was conducted on the Plasma Quad device alone, not designed to evaluate product performance. *9 The result without the effect of natural attenuation is 96.3%. *10 The result is based on the test with a device installed on the representative indoor unit. (MSZ-AP series) *11 It shows the result when allergen and dust pass through the device once.

AIR QUALITY

📿 Self Clean mode

When Self Clean Mode is activated, fan operation starts after cooling/dry mode. This operation helps to dry inside indoor unit to prevent molds and odors. You can feel the clean air without frequent cleaning by yourself.

High humidity inside the unit, which can lead to mold growth and odors.



Airflow operation suppresses mycelial growth.



3 Maintains clean unit interior.



Filters & Cleaning Functions

🚬 Fresh-air Intake

Indoor air quality is enhanced by the direct intake of fresh exterior air.

🔜 High-efficiency Filter

This high-performance filter has a much finer mesh compared to standard filters, and is capable of capturing minute particulates floating in the air that were not previously caught.

👕 Air Purifying Filter

The filter has a large capture area and also generates antibacterial, antifungal, and deodorant effects.

📑 Oil Mist Filter

The oil mist filter prevents oil mist from penetrating into the inner part of the air conditioner.

🔝 Long-life Filter

A special process for the entrapment surface improves the filtering effect, making the maintenance cycle longer than that of units equipped with conventional filters.



Filter Check Signal

Air conditioner operating time is monitored, and the user is notified when filter maintenance is necessary.

📆 Silver-ionized Air Purifier Filter

Silver-ionized Air Purifier Filter made of non-woven fabric can capture tiny particles. Silver ions and enzymes contained in the filter effectively act on bacteria and allergens and neutralises them.

Dual Barrier Coating

A two-barrier coating which prevents hydrophobic and hydrophillic dirt from sticking to the inner surface and inner parts of the indoor unit.

Dual Barrier Material

Antifouling materials are kneaded into horizontal vane and vertical vane, preventing dust and greasy dirt accumulating on the surface of indoor unit.

Deodorising Filter

The catalyst in the Deodorising Filter denatures the odorous components and destroys them from the source of the odour, quickly delivering fresh air to your room.

Filter

V Blocking Filter with antiviral effect inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. Two-layered filter with non-woven fabric and electrostatic filter can effectively capture and remove small particles from the air in your room.

CONVENIENCE

CONVENIENCE

🔝 "i save" Mode

"i save" is a simplified setting function that recalls the preferred (preset) temperature by pressing a single button on the remote controller. Press the same button twice in repetition to immediately return to the previous temperature setting.

Using this function contributes to comfortable waste-free operation, realising the most suitable air conditioning settings and saving on power consumption when, for example, leaving the room or going to bed.







*Temperature can be preset to 10°C when heating in the "i-save" mode.

🤗 Auto Changeover

The air conditioner automatically switches between heating and cooling modes to maintain the desired temperature.

Low-temperature Cooling

Intelligent fan speed control in the outdoor unit ensures optimum performance even when the outside temperature is low.



Ampere Limit Adjustment

Dip switch settings can be used to adjust the maximum electrical current for operation. This function is highly recommended for managing energy costs.

*Maximum capacity is lowered with the use of this function.

💳 Operation Lock (Indoor unit)

To accommodate specific-use applications, cooling or heating operation can be specified using the wireless remote controller. A convenient option when a system needs to be configured for exclusive cooling or heating service.

🛻 Operation Lock (Outdoor unit)

To accommodate specific-use applications, cooling or heating operation can be specified when setting the control board of the outdoor unit. A convenient option when a system needs to be configured for exclusive cooling or heating service.

Auto Restart Auto Restart

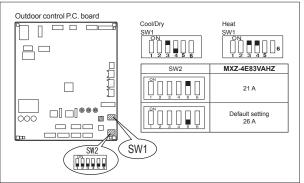
Especially useful at the time of power outages, the unit turns back on automatically when power is restored.

💵 10°C Heating

During heating operation, the temperature can be set in 1°C increments down to 10°C.

*MLZ and MFZ series: Only when using "i-save" mode, the temperature can be set to 10°C, but not in 1°C increments.

DIP Switch Setting (Board for MXZ-5E102)





When Night Mode is activated using the wireless remote controller, it will switch to the settings described below.

- The brightness of the operation indicator lamp will become dimmer.
- The beeping sound will be disabled.
- The outdoor operating noise will drop to 3dB lower than the rated specification operating noise.

Built-in Weekly Timer Function

*The cooling/heating capacity may drop.

*Night mode does not function when connected to MXZ.

🔊 Low-noise Operation (Outdoor Unit)

System operation can be adjusted to prioritise less noise from the outdoor unit over air conditioning performance.



Use the remote controller to set the times of turning the air conditioner On/Off.

Easily set desired temperatures and operation ON/OFF times to match lifestyle patterns. Reduce wasted energy consumption by using the timer to prevent forgetting to turn off the unit and eliminate temperature setting adjustments.

Example Operation Pattern (Winter/Heating mode)

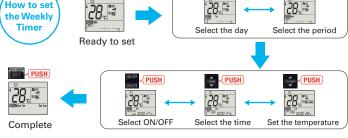
| | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. | Sun. | |
|-------------------------|---------|--|---------|---------|---------|--|---------|--|
| c.00 | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | |
| 6:00 | | Automatically changes to high-power operation at wake-up time | | | | | | |
| 8:00 | | | | | | | | |
| 10:00 | OFF | OFF | OFF | OFF | OFF | ON 18°C | ON 18°C | |
| 12:00 14:00 | | Automatically turned off during work hours | | | | Midday is warmer, so the temperature is set lower | | |
| 16:00 | | | | | | | | |
| (8:00 | ON 22°C | ON 22°C | ON 22°C | ON 22°C | ON 22°C | ON 22°C | ON 22°C | |
| 00:05 | | Automatically turns on, synchronized with arrival at home | | | | Automatically raises temperature setting to match time when outside-air temperature is low | | |
| (during sleeping hours) | | | | | | | | |
| (uuring steeping tours) | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | |
| | | Automatically lowers temperature at bedtime for energy-saving operation at night | | | | | | |
| | | | | | | | | |

Settings Pattern Settings: Input up to four settings for each day

Settings: •Start/Stop operation •Temperature setting •The operation mode cannot be set.

Easy set-up using dedicated buttons





er <mark>-{ PUSH</mark>

1~4 - PUSH

 Start by pushing the "SET" button and follow the instructions to set the desired patterns. Once all of the desired patterns are input, point the top end of the remote controller at the indoor unit and push the "SET" button one more time. (Push the "SET" button only after inputting all of the desired patterns into the remote controller memory. Pushing the "CANCEL" button will end the set-up process without sending the operation patterns to the indoor unit.
 It takes a few seconds to transmit the Weekly Timer operation patterns to the indoor unit.
 Please continue to point the remote controller at the indoor unit until all data has been sent.

Back Light Remote Controller

Not only the indoor units, but the wireless remote controllers come in four colours as well. Each remote controller matches the indoor unit. Even the textures are the same.



The setting can be easily checked in the dark.

INSTALLATION & MAINTENANCE

INSTALLATION

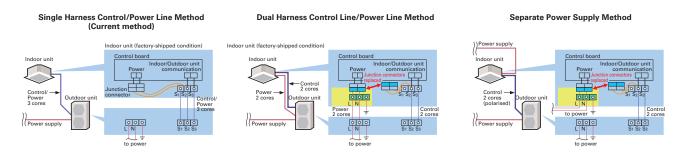
Cleaning-free Pipe Reuse

It is possible to reuse the same piping. It allows cleaning-free renewal of air conditioning systems that use R22 or R410 refrigerant.

Reuse of Existing Wiring

Wiring recycling problem solved! Compatible with other wiring connection methods*

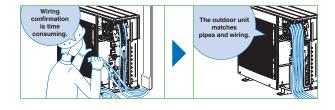
The wiring method has been improved, making it possible to use methods different from that utilized for control and power supply. Units are compatible with the dual harness control line/power line method and the separate power supply method. Using a power supply terminal kit, wire can be efficiently reused at the time of system renewal regardless of the method the existing system uses. * Optional. Usage may be limited due to wiring type diameter.



Wiring/Piping Correction Function*

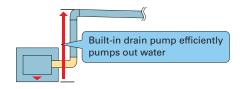
The push of a single button is all that is required to confirm that piping and wiring are properly connected. Corrections are made automatically if a wiring error is detected, eliminating the need for complicated wiring confirmation work when expanding the number of rooms served.

* This function cannot be used when the outdoor temperature is below 0°C. The correction process requires 10–20 minutes, and only works when the unit is set to the Cooling mode.



Drain Pump

A built-in drain pump enables drain piping to be raised.





Flare connection to cooling pipe work is possible.



Enables smooth and easy recovery of refrigerant. Simply press the "Pump Down" switch before moving or changing the unit.

Outdoor unit control circuit board





Push this switch to start/ stop refrigerant recovery operation automatically. (Valve in refrigerant circuit is opened/closed.)

Pump Down Switch

Pump down switch

n switch

MAINTENANCE

Self-Diagnostic Function (Check Code Display)

Check codes are displayed on the remote controller or the operation indicator to inform the user of malfunctions detected.

Failure Recall Function

Operation failures are recorded, allowing confirmation when needed.

SYSTEM CONTROL

SYSTEM CONTROL

PAR-41MAA/PAC-YT52CRA/PAC-CT01MAA

Units are compatible for use with the PAR-41MAA, PAC-YT52CRA or PAC-CT01MAA remote controller, which has a variety of management functions.

Group Control

The same remote controller is capable of controlling the operational status of up to 16 refrigerant systems.

M-NET Connection

Units can be connected to MELANS system controllers (M-NET controllers) such as the AG-150A.

MELCloud (Wi-Fi interface)

System Group Control

MELCloud for fast, easy remote control and monitoring

MELCloud is a Cloud-based solution for controlling air-conditioner either locally or remotely by computer, tablet or smartphone via the Internet. Setting up and remotely operating via MELCloud is simple and straight forward. All you need is wireless computer connectivity in your home or the building where the air-conditioner is installed and an Internet connection on your mobile or fixed terminal. To set up the system, the router and the Wi-Fi interface must be paired, and this is done simply and quickly using the WPS button found on all mainstream routers. You can control and check air-conditioner via MELCloud from virtually anywhere an Internet connection is available. That means, thanks to MELCloud, you can use much more easily and conveniently.

Key control and monitoring features

- 1 Turn system on/off
- 2 See status of operating & adjust set point
- **3** Live weather feed from your location

Schedule timer - Set 7 day weekly schedule Error status

A MTSLESH

4 Energy Consumption Monitoring





MELCloud uses the MAC-587IF interface

COMPO (Simultaneous Multi-unit Operation)

Multiple indoor units can be connected to a single outdoor unit. (Depending on the unit combination, connection of up to four units is possible; however, all indoor units must operate at the same settings.)

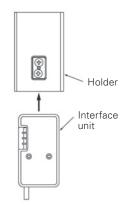


Connection to the MXZ multi-split outdoor unit is possible.

When mounting on the wall

The interface can be mounted simply by affixing the holder to the wall on either side of the unit and inserting the interface unit into the holder.

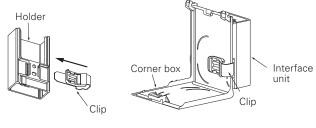




*When mounting on the right side of the unit

When mounting on the outer side of the unit

The interface can be mounted on the right side, left side, bottom right, or bottom left of the indoor unit. After inserting the clip into the holder, slip the clip over the edge of the corner box.





Right side



Bottom right



Left side



Bottom left

CONTROL TECHNOLOGIES

Extended cooling set temperature range*

In environments such as gyms where people do strenuous exercise, even if the room is cooled to an appropriate temperature, people may feel that it is hot, and they need a cooler air. To satisfy such demands, we have extended the lower limit of the cooling set temperature range from 19-30°C. to 14-30°C. *Insulation kit (PAC-SK36HK-E) is required when indoor unit is PLA series.
*Availability of this function is depending on outdoor unit, indoor unit and remote controller.



Display of model names and serial numbers*

The model names and serial numbers of the indoor/outdoor units that are connected to the MA smart remote controller can be automatically acquired and displayed through one simple operation. This eliminates the need to directly check each unit and helps with inquiries in the case of an abnormality. *Availability of this function is depending on outdoor unit, indoor unit and remote control

| indoor unit and remote com | indoor unit and remote controller. | | | | | |
|---|---|--|--|--|--|--|
| Model name | Collect model names and S/N | | | | | |
| display | 0 OU PUZ-ZM200YKA2 | | | | | |
| (example) | IU1 PLA-ZM50EA2 | | | | | |
| | IU2 PLA-ZM50EA2 | | | | | |
| | IU3 PLA-ZM50EA2 | | | | | |
| | IU4 PLA-ZM50EA2 | | | | | |
| | Collect data: 🗸 | | | | | |
| | — Address + S/N | | | | | |
| | | | | | | |
| Serial number | Collect model names and S/N | | | | | |
| Serial number display | Collect model names and S/N Ø OU 1ZU00001 | | | | | |
| ••••• | | | | | | |
| display | 0 OU 1ZU00001 | | | | | |
| display | 0 0U 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 | | | | | |
| display | 0U 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 | | | | | |
| display | 0 0U 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 | | | | | |
| display | 0 OU 1ZU00001 IU1 1ZA00001 IU2 1ZA00002 IU3 1ZA00003 IU4 1ZA00004 | | | | | |

Preliminary error history*

In addition to error history, the history of permissible abnormalities can be displayed. The feature enables the unit status check during inspection and maintenance *Availability of this function is depending on outdoor unit, indoor unit and remote controller

| Error history (Sample) | | | | | | | | |
|------------------------|-------|----------|---------|--|--|--|--|--|
| | Error | history | 1/4 | | | | | |
| Error | Unt# | dd/mm/yy | | | | | | |
| E0 | 0-1 | 21/10/20 | PM12:34 | | | | | |
| E0 | 0-1 | 20/12/20 | AM 1:23 | | | | | |
| E0 | 0-1 | 20/11/20 | PM10:55 | | | | | |
| E0 | 0-1 | 20/10/20 | PM12:01 | | | | | |
| Error hi | story | menu: 🔊 | | | | | | |
| 🔍 Pao | e 🔺 | | Delete | | | | | |

Preliminary error history (Sample) Preliminary error hist. 1/8 Line 1.44 Later Zero

| ELLOL | ULLH | ии/ пш/ уу | |
|-----------|-------|------------|---------|
| EØ | 0-1 | 21/10/20 | PM12:34 |
| EØ | 0-1 | 20/12/20 | AM 1:23 |
| E0 | 0-1 | 20/11/20 | PM10:55 |
| E0 | 0-1 | 20/10/20 | PM12:01 |
| Error his | story | menu: 🔊 | |
| 🔍 Paqe | • 🔺 | | Delete |

Display of power consumption*

It is possible to measure, acquire, and display the amount of energy used by each air conditioning system.

*Availability of this function is depending on outdoor unit, indoor unit and remote controller. Energy consumption values are calculated from estimated power consumption values according to the operating conditions. They may vary from the actual power consumption values. Please note that the power consumption of optional parts is not included except in the case of optional parts that have their power supplied directly by the outdoor unit.

< Data Collection Period >

Time data: Every 30 minutes over the past month Monthly/daily data: Monthly over the past 14 months

•Every 30 minutes (example)

| Energy data | | | | | |
|---------------|---------------|--|--|--|--|
| 2019- 1-1 | 1234.5kWh 1/6 | | | | |
| 0:30 123.4kWh | 2:30 123.4kWh | | | | |
| 1:00 123.4kWh | 3:00 123.4kWh | | | | |
| 1:30 123.4kWh | 3:30 123.4kWh | | | | |
| 2:00 123.4kWh | 4:00 123.4kWh | | | | |
| Return: 🔊 | | | | | |
| – Date + | 🛛 🔻 🖌 🖌 | | | | |

Horizontal airflow settings

The 4-way cassette model with 3D Total Flow system lets you easily set the horizontal airflow direction. This allows you to freely tailor the air conditioning performance according to your particular space and purpose.

*PLP-P160ELR-E is required to activate this function.

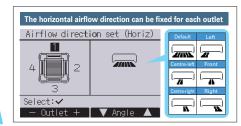
Daily (example)

| •====== | | | | | |
|---------|--------|----------|--------|-------|------|
| | E | Energy | / data | | |
| 2019- | - 1 | 1 | 23456. | 7kWh | 1/4 |
| 31 | 1234. | 5kWh | 27 | 1234. | 5kWh |
| 30 | 1234. | 5kWh | 26 | 1234. | 5kWh |
| - 29 | 1234. | 5kWh | 25 | 1234. | 5kWh |
| 28 | 1234. | 5kWh | 24 | 1234. | 5kWh |
| Retur | n: 🔊 - | | | | |
| | anc | A | | | |

When 3D Total Flow is equipped

Monthly (example)

| Ene | ergy data | | | | | | |
|--------------|-------------|-----|--|--|--|--|--|
| ▶2019-1 | 123456.7kWh | 1/3 | | | | | |
| 2018-12 | 123456.7kWh | | | | | | |
| 2018-11 | 123456.7kWh | | | | | | |
| 2018-10 | 123456.7kWh | | | | | | |
| 2018- 9 | 123456.7kWh | | | | | | |
| View daily c | lata: 🗸 | | | | | | |
| 🛛 🛡 Cursor 🖌 | | | | | | | |



Wi-Fi interface setting



EasyTo Read & EasyTo Use Inverted display screen

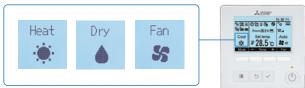
The screen background color can be set to black to suit the atmosphere of the installation location.

Full Dot Liquid-crystal Display Adopted

Easier to read thanks to use of a full dot liquid-crystal display with backlight, and easier to use owing to adopting a menu format that has reduced the number of operating buttons.

Display Example [Operation Mode]

Full Dot LCD



Multi-language Display

Multilanguage Control panel operation in fourteen different languages

Choose the desired language, among the following languages.

| English | Spanish | Italian | Turkish |
|-----------|---------|------------|---------|
| French | Greek | Portuguese | Swedish |
| German | Russian | Polish | Czech |
| Hangarian | Dutch | | |

Temperature Control



Two preset temperatures

When the operation mode is set to the Auto (Dual Set Point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, indoor unit will

automatically operate in either the COOL or HEAT mode and keep the room temperature within the preset range.

Energy-efficient Control Operation Control Functions

Energysaving Schedule

Precise control of power consumption

The amount of power consumed in each time period is managed so that the demand value is not exceeded. The demand control function can be set to start and finish in 5-minute units.

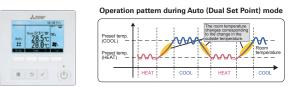
Additionally, the level can be adjusted to 0, 50, 60, 70, 80 or 90% of maximum capacity, and up to 4 patterns can be set per day. Air-conditioning operation is automatically controlled to ensure that electricity in excess of the contracted volume is not consumed.

Auto-return

Prevents wasteful operation by automatically returning to the preset temperature after specified operating time

After adjusting the temperature for initial heating in winter or cooling on a hot summer day, it is easy to forget to return the temperature setting to its original value. The Auto-return function automatically resets the temperature back to the original setting after a specified period of time, thereby preventing overheating/overcooling. The Auto-return activation time can be set in 10-minute units, in a range between 30 and 120 minutes.

*Auto-return cannot be used when Temperature Range Restrictions is in use.



*Please refer to the function list on page 205-211 for the combination of the available units.

Setting pattern example

| | | 10.0 | |
|------------|---------------|-------|------------------|
| Start time | Finish time | | Capacity savings |
| 8:15 | \rightarrow | 12:00 | 80% |
| 12:00 | \rightarrow | 13:00 | 50% |
| 13:00 | \rightarrow | 17:00 | 90% |
| 17:00 | \rightarrow | 21:00 | 50% |

Auto-off Timer

Turns heating/cooling off automatically after preset time elapses

When using Auto-off Timer, even if one forgets to turn off the unit, operation stops automatically after the preset time elapses, thereby preventing wasteful operation. Auto-off Timer can be set in 10-minute units, in a range between 30 minutes and 4 hours. Eliminates all anxiety about forgetting to turn off the unit.

Recommended for Meeting room Changing room

CONTROL TECHNOLOGIES

MA Touch Remote Controller PAR-CT01MAA-SB PAR-CT01MAA-PB





PAC-CT01MAA-SB

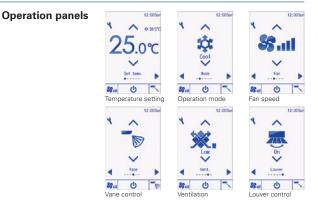
PAR-CT01MAA-PB

User-friendly Visible big size icons on the full color touch panel display









Touch Panel

Flexibility Customized display, color on parameter and background, editable parameter, logo image on the initial display

Multiple color pattern

180 color patterns can be selected for control parameters or background on the display.

Control parameter customize

Users can customize the panel to display the selected parameters only.

• Control parameter customize

Simple operation panel is preferred by users, especially in hotels. It is available to display only ON/OFF, set temp., fan speed.



Logo image customization Logo image can be displayed on the initial screen.



Available in a wide variety of colors to suit the decor of any room.





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Expandability Smartphone / tablet App is available for setting, customize, and control.

Bluetooth® low energy technology

Remote controller can communicate with smartphone or tablet device via Bluetooth Low Energy (BLE). Operation & Setting App are available on the App store.



*The Bluetooth® word mark is trademark of Bluetooth SIG, Inc., USA. *Contact the sales company for information on "Bluetooth" function.



Convenient BLE transmission functions for installation contractors

Initial setup for the remote controller can be easily performed using BLE transmission via a smartphone.

• Previous model

Previously, initial setup (selecting function parameters) was only available via the remote controller installed each room.

New model

Ċ

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The initial setup (selecting function parameters) can now be performed in advance on a smartphone, with the settings transmitted to the remote controller by enabling BLE transmission upon entry to the room.





Convenient BLE transmission functions for guests

The remote controller has been further upgraded with hotels in mind, to allow smartphone connectivity and multilingual support.

Smartphone connectivity

For example, hotel guests can operate the air conditioner via their smartphones, without getting out of bed.



Multilingual support

The smartphone app can be displayed in the language that the guest's smartphone is set to.



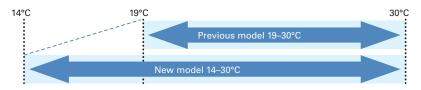
CONTROL TECHNOLOGIES

Wireless Remote Controller PAR-SL101A-E

Extended cooling set temperature range*

In environments such as gyms where people do strenuous exercise, even if the room is cooled to an appropriate temperature, people may feel that it is hot, and they need a cooler air. To satisfy such demands, we have extended the lower limit of the cooling set temperature range from 19–30°C. to 14–30°C.

*Insulation kit (PAC-SK36HK-E) is required when indoor unit is PLA series. *Availability of this function is depending on outdoor unit, indoor unit and remote controller.

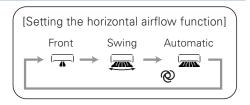




Horizontal airflow settings

The 4-way cassette model complete with the Smart 360-degree Airflow system lets you easily set the horizontal airflow direction. This allows you to freely tailor the air conditioning performance according to your particular space and purpose.





WeeklyTimer

The Weekly Timer enables the setting of operation start and finish times and adjusting the temperature as standard features. Up to 4 patterns per day can be set, providing operation that matches the varying conditions of each period, such as the number of customers in the store.



| | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. | Sun. |
|---------------------|---|-----------|--------------------------|-------------------------|-------------------------|--|---|
| C.00 | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C |
| 6:00 | | | Automatically change | es to high-power opera | tion at wake-up time | | |
| 800 | | | | | | | |
| 1000 | OFF | OFF | OFF | OFF | OFF | ON 18°C | ON 18°C |
| 12:00 14:00 | | Automatic | ally turned off during v | vork hours | | Midday is warmer, so the temperature | |
| 16:00 | | | | | | | |
| 18:00 | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C | ON 20°C |
| 0005 | Automatically turns on, synchronized with arrival at home | | | | | Automatically raises ten match time when outsic | nperature setting to le-air temperature is low |
| (during sleeping | ON_18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C | ON 18°C |
| hours) | | Automa | atically lowers tempera | ture at bedtime for ene | ergy-saving operation a | t night | |

*Weekly Timer cannot be used when On/Off Timer is in use.

*Only for SLZ-KF25/35/50/60VA2, PLA-ZP/RP35/50/60/71/100/125/140EA

Backlight

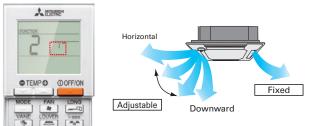
Backlight function incorporated, making screen easy to read in the dark. Even in dimly lit rooms, the screen can be seen clearly for trouble-free remote controller operation.





Individual Vane Settings

The airflow directions of the four vanes can each be adjusted independently. Easily set the optimum airflow according to the room setting.



Battery Replacement Sign

Previous wireless remote controllers were not easy to read, understand or use sometimes because the battery was low. Beginning with the PAR-SL101A-E, a battery charge indicator that shows the charge status is included in the LCD so it can be seen when the battery is low and needs to be changed.



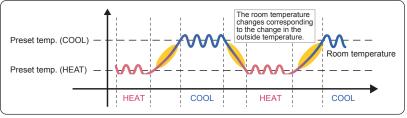
Dual Set Point

When the operation mode is set to the Auto (Dual Set Point) mode, two preset temperatures (one each for cooling and heating) can be set. Depending on the room temperature, the indoor unit will automatically operate in either the COOL or HEAT mode and keep the room temperature within the preset range.





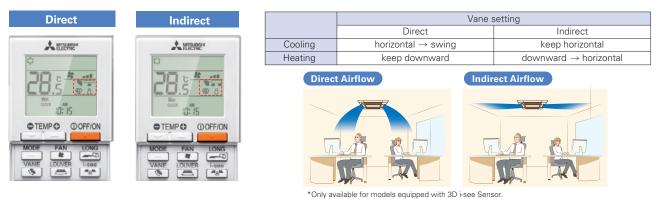
Operation pattern during Auto (Dual Set Point) mode



* Only available for compatible models.

3D i-see Sensor (Direct/Indirect Airflow)

Pressing the i-see button enables direct or indirect setting of all vanes.



Basic Functions

| Functions | Button | Liquid crystal | | |
|--------------------------|-----------|---|--|--|
| OFF / ON | ① OFF/ON | | | |
| Preset temperature | | 88 .5 | | |
| Mode | MODE | Cool Dry Heat Fan Auto Dual set point function not operational first use. | | |
| Fan speed | FAN | 4-Speed Auto | | |
| Vane angle | VANE M | 5-step Swing Auto | | |
| Louver | WIDE VANE | Fixed Swing | | |
| 3D i-see Sensor | i-see | Direct Indirect | | |
| Send sign | | · · · · · · · · · · · · · · · · · · · | | |
| Battery replacement sign | | | | |
| Function setting | | (FUNCTION) | | |
| Test run | | TEST | | |
| Self check | | CHECK | | |
| Not available | | N/A | | |

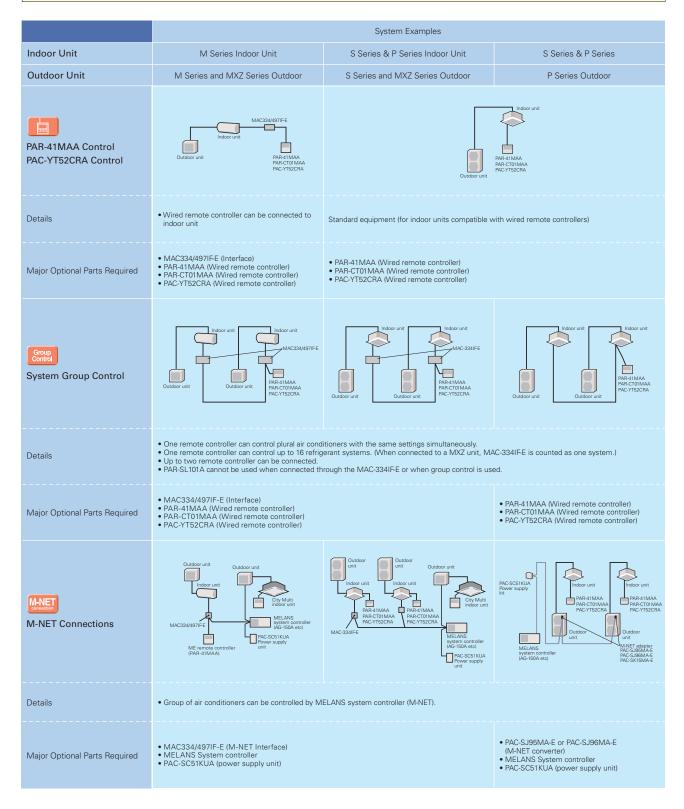
*This remote controller is only compatible with the following models: SLZ-M15/25/35/50/60FA, PLFY-P15/20/25/32/40/50VFM-E1, PLA-ZM/RP35/50/60/71/100/125/140EA, PLFY-P20/25/32/40/50/63/80/100/125VEM-E

*Functions available vary according to the model.

SYSTEM CONTROL

Versatile system controls can be realised using optional parts, relay circuits, control panels, etc.

MAJOR SYSTEM CONTROL



OTHERS

For M Series Indoor Units (New A-control Models Only)

| | System Examples | Connection Details | Control Details | Major Optional Parts Required |
|--|--|---|---|---|
| Remote On/Off Operation Air conditioner can be started/ stopped remotely. (① and ② can be used in combination) | MAC-334IFE Switch Indoor unit Remote control section (to be purchased locally) | Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface. | On/Off operation is possible from a remote location. | MAC-334IF-E (Interface) Parts for circuit such as relay box, lead wire, etc. (to be purchased locally) |
| 2 Remote Display of Operation Status • The On/Off status of air conditioners can be confirmed remotely. (1] and 2] can be used in combination) | AAC-334IFE Power supply Remote monitor section to be purchased locally | Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface. | The operation status (On/Off) or error signals can be monitored from a remote location. | MAC-334IF-E (Interface) Parts for circuit to be purchased locally (DC power source needed) External power source (12V DC) is required when using MAC-334IF-E. |

For P Series and S Series Indoor Units

| | System Examples | | | |
|--|--|---|--|---|
| | Wired remote controller | Wireless remote controller | Details | Major Optional Parts Required |
| A 2-remote Controller Control With two remote controllers, control can be performed locally and remotely from two locations. | PAR-41MAA PCACYTSZCRA * Set *Main' and *Sub' remote controllers. (Example of 1 : 1 system) | PAR-SL97/101A-E PAR-SL97/101A-E PAR-41MAA PAC-YTE2CRA *When using writed and writeless remote controllers (Example of Simultaneous Twin) | Up to two remote controllers can be connected to one group. Both wired and wireless remote controllers can be used in combination. | Wired Remote Controller PAR-41MAA PAC-YT52CRA (for PKA, PAC-SH29TC-E is required) Wireless Remote Controller PAR-SL97A-E/PAR-SL101A-E (only for SL2) Wireless Remote Controller Kit for PCA PAR-SL94B-E |
| B Operation Control by Level Signal Air conditioner can be started/ stopped remotely. In addition, On/Off operation by local remote controller can be prohibited/permitted. | Relay box (to be purchased locally) | Relay box (to be purchased locally) Adapter for ON/Off PAR-SL97/101A-E (Example of 1 : 1 system x 2) | Operation other than On/Off (e.g., adjustment of temperature, fan speed, and airflow) can be performed even when remote controller operation is prohibited. Timer control is possible with an external timer. | Adapter for remote On/Off PAC-SE55RA-E Relay box (to be purchased locally) Remote control panel (to be purchased locally) |
| C Operation Control by Pulse Signal | Relay box (to be purchased locally) | Relay box (to be purchased locally) | The pulse signal can be turned On/Off. Operation/emergency signal can be received at a remote location. | Connector cable for remote display PAC-SA88HA-E/PAC-725AD (10 pcs. x PAC-SA88HA-E) Relay box (to be purchased locally) Remote control panel (to be purchased locally) |
| D Remote Display of Operating Status Operating status can be displayed at a remote location. | Remote operation addented Connector cable for ennote display + Relay tox Frequencies and the second second second Remote gasel PAR-41MAA/PAR-CT01MAA/ PAC-T15CCRA (Example of 1: 1 system) | Remote operating the second display + Relay box Remote one display + Remote one display + Rem | • Operation/emergency signal can be received at a remote location (when channeled through the PAC-SF40RM-E → no-voltage signal, when channeled through the PAC-SA88HA-E → DC 12V signal). | Remote display panel (to be purchased locally) Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E) Relay box (to be purchased locally) Remote operation adapter PAC-SF40RM-E *Unable to use with wireless remote controller |
| E Timer Operation Allows On/Off operation with timer *For control by an external timer, refer to B Operation Control by Level Signal. | (Example of 1 : 1 system) | | Weekly Timer: On/Off and up to 8 pattern temperatures can be set for each calendar day. (Initial setting) On/Off Timer: On/Off can be set once each within 72 hr in intervals of 5-minute units. Auto-off Timer: Operation will be switched off after a certain time elapse. Set time can be changed from 30 min. to 4 hr. at 10 min. intervals. Simple Timer and Auto-off Timer cannot be used at the same time. | Standard functions of PAR-41MAA / PAR-CT01MAA |

FUNCTION LIST (1)

| ategory | Icon | | | | | Marpiro | | | | | |
|---------------------|--|----------------------|--------------------------|--|-----------------------|---------------------------------------|--|--|---------------------------|--|---|
| | icon | 107 DW05/05/ | MSZ-LN18/25/35/ | 107 5705/05/ | NO7 AV(15) | M SERIES | | 107 5510/00/05/05 | 1 NOZ DT00/05/ | 107 1005 (05 (| |
| | Indoor unit Outdoor unit | MSZ-RW25/35/ 50VG | 50/60VG2 (W)(V)(R)(B) | MSZ-FT25/35/ 50VG | MSZ-AY15/ 20VGK(P) | MSZ-AY25/35/ 42/50VGK(P) | MSZ-AP60/71VG | MSZ-EF18/22/25/35/ 42/50VG(W)(B)(S) | / MSZ-BT20/25/ 35/50VG | MSZ-HR25/35/ 42/50/60/71VF | |
| | - | MUZ-RW | MUZ-LN | MUZ-FT | MUZ-AY | MUZ-AY | MUZ-AP | MUZ-EF | MUZ-BT | MUZ-HR | |
| hnology | DC Inverter | • | • | • | • | • | • | • | • | • | L |
| | Joint Lap DC Motor | • | • | • | • | • | • | • | • | • | F |
| | Reluctance DC Rotary Compressor | ļ' | ' | <u> '</u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> ' | | <u> </u> | + |
| | Heating Caulking (Compressor) | • | • | • | • | • | • | • | • | • | 4 |
| | DC Fan Motor | • | • | • | • | • | • | • | • | • | 1 |
| | PAM (Pulse Amplitude Modulation) | • | • | • | • | • | • | • | • | • | ₽ |
| | Power Receiver and Twin LEV Control | <u> </u> | ' | <u> </u> | | · · · · · · · · · · · · · · · · · · · | <u> </u> | ļ' | | <u> </u> ' | + |
| 1 Canoor | Grooved Piping | • | • | • | • | • | • | • | • | • | ₽ |
| i-see Sensor | Felt Temperature Control (3D i-see Sensor) | • | • | <u> '</u> | L | <u> </u> | <u> </u> ' | ļ' | | <u> </u> | + |
| | AREA Temperature Monitor | • | • | · · · · | | | · · · · | · · · · | - | · · · · | ┡ |
| Energy Saving | Econo Cool Energy-saving Feature | • | • | • | • | • | • | • | • | • | + |
| | Standby Power Consumption Cut | • | • | • | • | • | • | • | • | ļ' | 4 |
| Air Quality | Plasma Quad Plus | • | • | <u> </u> | •*1 | •*1 | <u> </u> | <u> </u> ' | | <u> </u> | 4 |
| | Plasma Quad | | | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | ļ' | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | 4 |
| | Dual Barrier Coating | • | • | <u> </u> | | <u> </u> | <u> </u> | <u> </u> ' | | <u> </u> | 4 |
| | Dual Barrier Material | • | | ļ' | | | ļ' | · · · · · | | · · · · · · · · · · · · · · · · · · · | 4 |
| | Silver-ionized Air Purifier Filter | <u> </u> | Opt | • | Opt | Opt | Opt | • | Opt | Opt | + |
| I I | V Blocking Filter | Opt | Opt | • | •*2 | •*2 | • | • | • | Opt | 4 |
| | Air Purifying Filter | <u> </u> | | • | • | • | • | • | • | • | 1 |
| ļ | Self Clean Mode | | | ļ' | • | • | ļ' | ·' | | ļ' | 4 |
| Air Distribution | Double Vane | • | • | <u> </u> | | <u> </u> | <u> </u> | <u> </u> ' | | <u> </u> | t |
| | Horizontal Vane | • | • | • | • | • | • | • | • | • | 4 |
| | Vertical Vane | • | • | • | | • | • | <u> </u> ' | | <u> </u> | + |
| | High Ceiling Mode | | | ļ' | | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | 4 |
| | Auto Fan Speed Mode | • | • | • | • | • | • | • | • | • | 4 |
| | Circulator Mode | •*3 | •*3 | •*3 | | •*3 | <u> </u> ' | ' | | · · · · · · · · · · · · · · · · · · · | 4 |
| Convenience | | • | • | • | • | • | • | • | • | • | 4 |
| | "i save" Mode | • | • | • | • | • | • | • | • | · · · · · · · · · · · · · · · · · · · | 4 |
| | Auto Changeover | • | • | • | • | • | • | • | | <u> </u> | 1 |
| | Auto Restart | • | • | • | • | • | • | • | • | • | 4 |
| | Low-temperature Cooling | • | • | • | • | • | • | • | • | • | 1 |
| | 10°C Heating | • | • | • | • | • | • | ′ | • | ′ | 4 |
| | Low-noise Operation (Outdoor Unit) | <u> </u> | [' | <u>['</u> | [| <u> </u> | <u>['</u> | [′ | | [' | ĺ |
| | Night Mode | • | • | • | • | • | • | | • | | 4 |
| | Ampere Limit Adjustment | <u> </u> | [| <u>['</u> | [| <u> </u> | <u>['</u> | [' | <u> </u> | <u>['</u> | 1 |
| | Operation Lock (Indoor) | • | • | • | • | • | • | | • | ' | 4 |
| | Operation Lock (Outdoor) | ! | | L' | | · · · · · · · · · · · · · · · · · · · | <u> </u> | <u> </u> | | <u> </u> | 1 |
| | Built-in Weekly Timer Function | • | • | • | • | • | • | • | | ' | 4 |
| | Drive Mode Selector | • | | <u> </u> | | ′ | <u> </u> | <u> </u> | | <u> </u> | 1 |
| System Control | PAR-41MAA Control *5 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | 4 |
| 001110 | PAR-CT01MAA Control *5 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | 1 |
| | PAC-YT52CRA Control *5 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | 4 |
| | Centralised On/Off Control *5 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Ţ |
| | System Group Control *5 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | ĺ |
| | M-NET Connection *5 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Į |
| | Wi-Fi Interface *6 | • | • | • | • | • | • | • | • | • | ĺ |
| | Energy Consumption Monitoring through MELCloud | <u> </u> | | · · · · · · · · · · · · · · · · · · · | | , | | | | · · · · · · · · · · · · · · · · · · · | ĺ |
| Installation | Cleaning-free Pipe Reuse | • | ٠ | • | • | • | • | • | • | • | ĺ |
| | Wiring/Piping Correction Function | <u> </u> | | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | · · · · · · · · · · · · · · · · · · · | ĺ |
| | Drain Pump | | | | | | [] | | | · · · · · · · · · · · · · · · · · · · | ĺ |
| | Flare Connection | • | ٠ | ٠ | • | • | • | • | • | • | ĺ |
| Maintenance | Self-Diagnosis Function (Check Code Display) | • | • | • | ٠ | • | • | • | • | • | Í |
| | Failure Recall Function | • | • | • | • | • | • | • | • | • | ſ |

| | | M SERIES | | |
|----------------------|-------------------------|-------------------------|----------------------|------------|
| MSZ-DW25/35/ 50VF | MFZ-KT25/35/ 50/60VG | MFZ-KW25/35/ 50/60VG | MLZ-KP25/35/ 50VF | MLZ-KY20VG |
| MUZ-DW | SUZ-M | MUFZ-KW | SUZ-M | Multi |
| • | • | • | • | • |
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FUNCTION LIST (2)

| Category | Icon | | | S SERIES | | | | P se | RIES | |
|---------------|--|-------------|----------------|-------------|----------------|---------------------------|--------------------------------------|-----------------|-------------------|----------|
| | Indoor unit | SLZ-M15/25/ | 35/50/60FA2 *1 | SEZ-M25/35/ | 50/60/71DA(L)2 | SFZ-M25/35/ 50/60/71VA | PLA-ZM35/50/60/ 71/100/125/140EA2 | PLA-M35 | 6/50/60/71/100/12 | 5/140EA2 |
| | Undoor unit G Outdoor unit | SUZ-M | PUZ-ZM | SUZ-M | PUZ-ZM | SUZ-M | PUZ-ZM | PUZ-ZM | SUZ-M | PUZ-M |
| unction | 3D Total Flow | | | | | | • | • | | • |
| nerit-up | 2+1 Back-up rotation | | • | | • | | • | • | | • |
| | Extended cooling set temperature range | | | | | | • | • | | • |
| | Display of model names and serial numbers | | • | | • | | • | • | | • |
| | Display of power consumption | • | • | • | • | • | • | • | • | • |
| | Avoiding simmltaneous defrosting | _ | • | | • | | • | • | | • |
| | Defrosting when people are absent | | • | | | | • | • | | - |
| | Defrosting when operation is stopped | | • | | • | | • | • | | |
| | Collection of operation data via MELCloud | | • | | • | | • | • | | • |
| | Demand control via MELCloud | | • | | • | | • | • | | • |
| | Notification of potential abnormality via MELCloud | | • | | • | | • | • | | • |
| Technology | DC Inverter | • | • | • | • | • | • | • | • | • |
| rechnology | Joint Lap DC Motor | • | • | • | | • | - | _ | - | - |
| | | | • | • | | | 35-71 | 35-71 | • | 100 |
| | Magnetic Flux Vector Sine Wave Drive | | • | | | | • | • | | • |
| | Reluctance DC Rotary Compressor | • | | • | | • | 35-71 | 35-71 | • | 100-140 |
| | Highly Efficient DC Scroll Compressor | - | • | - | | - | 100-250 | 100-250 | | 200-250 |
| | Heating Caulking (Compressor) | • | | • | | • | 35-71 | 35-71 | • | 100 |
| | DC Fan Motor | • | • | • | | • | • | • | • | • |
| | Vector-Wave Eco Inverter | | • | | | | • | • | | • |
| | PAM (Pulse Amplitude Modulation) | • | • | • | | • | 35-140 | 35-140 | • | 100-140V |
| | Power Receiver and Twin LEV Control | | • | | | | 35-250 | 35-250 | | 100-250 |
| | Grooved Piping | • | • | • | | • | • | • | • | • |
| i-see Sensor | Felt Temperature Control (3D i-see Sensor) | Opt | Opt | | | | Opt | Opt | Opt | Opt |
| | AREA Temperature Monitor | Opt | Opt | | | | Opt | Opt | Opt | Opt |
| Energy Saving | Demand Function | | | | | | Opt | Opt | | Opt |
| Attractive | Pure White | • | • | | | | • | • | • | • |
| | Auto Vane | • | • | | | | • | • | • | • |
| Air Quality | Fresh-air Intake | • | • | | | | • | • | • | • |
| | High-efficiency Filter | | | | | | Opt | Opt | Opt | Opt |
| | Oil Mist Filter | | | | | | | | | |
| | Long-life Filter | • | • | | | | • | • | • | • |
| | Filter Check Signal | • | • | | | | • | • | • | • |
| Air | Horizontal Vane | • | • | | | | • | • | • | • |
| Distribution | Vertical Vane | | | | | | | | | |
| | High Ceiling Mode | • | • | | | | • | • | • | • |
| | Low Ceiling Mode | | | | | | • | • | • | • |
| | Auto Fan Speed Mode | • | • | • | | • | • | • | • | • |
| Convenience | On/off Operation Timer | • | • | • | | • | • | • | • | • |
| | Auto Changeover | • | • | • | | • | • | • | • | • |
| | Auto Restart | • | • | • | | • | • | • | • | • |
| | Low-temperature Cooling | • | • | • | | • | • | • | • | • |
| ŝ | Low-noise Operation (Outdoor Unit) | | • | | | | • | • | | • |
| Functions | Ampere Limit Adjustment | | 60-140V | | | | | 60-140V 200/250 | | _ |
| Fun | Operation Lock | | | | | | | | | |
| | Rotation, Back-up and 2nd Stage Cut-in Functions | | • | | | | • | • | | • |
| | Dual Set Point *2 | | • | | | | • | • | | • |
| System | PAR-41MAA Control *3 | Ont | | Ont | | Ont | | | Opt | |
| Control | PAR-CT01MAA Control *3 | Opt | Opt | Opt | | Opt | Opt | Opt | | Opt |
| | PAC-YT52CRA Control *3 | Opt | Opt | Opt | | Opt | Opt | Opt | Opt | Opt |
| | Centraliesd On/Off Control *3 | Opt | Opt | Opt | | Opt | Opt | Opt | Opt | Opt |
| | | Opt | Opt | Opt | | Opt | Opt | Opt | Opt | Opt |
| | System Group Control *3 | Opt | Opt | Opt | | Opt | • | • | Opt | • |
| | M-NET Connection *3 | Opt | | Opt | | Opt | Opt | Opt | Opt | Opt |
| Inct-II. " | COMPO | | 71-140 | | | | 71-250 | 71-250 | | • |
| Installation | Cleaning-free Pipe Reuse | • | • | • | | • | • | • | • | • |
| | Reuse of Existing Wiring | | | | | | Opt | Opt | | Opt |
| | Wiring/Piping Correction Function | | | | | | | | | |
| | | • | • | Opt | | | •*4 | •*4 | •*4 | •*4 |
| | Drain Pump | | | | | | | | | • |
| | Pump Down Switch | | | | | | • | • | | - |
| | | • | • | • | | • | • | • | • | • |
| Maintenance | Pump Down Switch | • | • | • | | • | | | • | |

SLZ-M15 can be connected with R32 MXZ only.
 This function is only available with PAR-41MAA, PAC-YT52CRA, PAR-SL101A-E.
 Please refet or "System Control" on pages for details.
 PEAD-M JAL are not equipped with a drain pump.

If a numerical figure is listed, the feature is only available with the outdoor unit of that capacity.
Opt: Optional parts must be purchased.

FUNCTION LIST (3)

| Category | Icon | | | | | | P SERIES | | | | | |
|-------------------|--|------------------------|---|--------------------|------------|----------|-----------|-------------------|-------------------|------------|-------------|---|
| Category | | 1 | | | | | | | | | | |
| | 20mbin ation | Indoor unit | PEAD-M38 | 5/50/60/71/100/125 | /140JA(L)2 | PEA-M20 | 00/250LA2 | PKA-M38 | 5/50LA(L)2 | PKA-M60/7 | 1/100KA(L)2 | |
| | d mo | Outdoor unit | PUZ-ZM | PUZ-M | SUZ-M | PUZ-ZM | PUZ-M | PUZ-ZM | PUZ-M | PUZ-ZM | PUZ-M | |
| Function | 3D Total Flow | | | | | | | | | | | |
| merit-up | 2+1 Back-up rotation | | • | • | | • | • | • | • | • | • | |
| | Extended cooling set ten | nerature range | | | | - | | • | • | • | • | |
| | Display of model names | | • | • | | • | • | • | • | • | • | |
| | Display of power consum | | • | • | • | • | • | • | • | • | • | |
| | | - | • | • | • | • | • | - | • | | | |
| | Avoiding simmltaneous d | | • | • | | • | • | • | • | • | • | |
| | Defrosting when people a | | | | | | | | | | | |
| | Defrosting when operation | | • | | | • | | • | | • | | |
| | Collection of operation da | | • | • | | • | • | • | • | • | • | |
| | Demand control via MEL | Cloud | • | • | | • | • | • | • | • | ٠ | |
| | Notification of potential ab | normality via MELCloud | • | • | | • | • | • | • | • | • | |
| Technology | DC Inverter | | • | • | • | • | • | • | • | • | • | |
| | Joint Lap DC Motor | | 35-71 | 100 | • | | | 35-71 | 100 | 60/71 | 100 | |
| | Magnetic Flux Vector Sine | e Wave Drive | • | • | | • | • | • | • | • | • | |
| | Reluctance DC Rotary Co | ompressor | 35-71 | 100-140 | ٠ | | | 35-71 | • | 60/71 | 100-140 | |
| | Highly Efficient DC Scroll | Compressor | 100-250 | 200/250 | | • | • | 100-200 | | 100-250 | 200/250 | |
| | Heating Caulking (Compr | essor) | 35-71 | 100 | • | | | 35-71 | | 60/71 | 100 | |
| | DC Fan Motor | | • | • | • | • | • | • | • | • | • | |
| | Vector-Wave Eco Inverter | | • | • | | • | • | • | • | • | • | |
| | PAM (Pulse Amplitude Me | | 35-140 | 100-140V | • | | - | 35-140 | 100V-140V | 60-140 | 100-140V | |
| | Power Receiver and Twin | , | | 100-1400 | | • | • | | | | 100-1400 | |
| | Grooved Piping | 227 001101 | 35-250 | | | | | 35-200 | 100-140 | 60-250 | | |
| i.con 0 | | 2D i ang 8 | • | • | • | • | • | • | • | • | • | |
| i-see Sensor | Felt Temperature Control (3 | | | | | | | | | | | |
| | AREA Temperature Monit | or | | | | | | | | | | |
| | g Demand Function | | Opt | Opt | | Opt | Opt | Opt | Opt | Opt | Opt | |
| Attractive | Pure White | | | | | | | • | • | • | • | |
| | Auto Vane | | | | | | | • | • | • | • | |
| Air Quality | Fresh-air Intake | | | | | | | | | | | |
| | High-efficiency Filter | | | | | | | | | | | |
| | Oil Mist Filter | | | | | | | | | | | |
| | Long-life Filter | | • | • | • | Opt | Opt | | | | | |
| | Filter Check Signal | | • | • | • | • | • | Opt | Opt | Opt | Opt | |
| Air | Horizontal Vane | | | | | | | • | • | • | • | |
| Distribution | Vertical Vane | | | | | | | | | | | |
| | High Ceiling Mode | | | | | | | | | | | |
| | Low Ceiling Mode | | | | | | | | | | | |
| | Auto Fan Speed Mode | | • | • | • | • | • | • | • | • | • | |
| Convenience | | | • | • | • | • | • | • | • | • | • | |
| | Auto Changeover | | • | • | • | • | • | • | • | • | • | |
| | Auto Changeover | | - | | | | | - | - | | | |
| | | | • | • | • | • | • | • | • | • | • | |
| | Low-temperature Cooling | | • | • | • | • | • | • | • | • | • | |
| tions | Low-noise Operation (Ou | , | • | • | | • | • | • | • | • | • | |
| Functions | Ampere Limit Adjustment | | 60-140V | | | | | 71-140V | | 60-140V | | |
| - | Operation Lock | | | | | | | | | | | |
| | Rotation, Back-up and 2nd | Stage Cut-in Functions | • | • | | • | • | • | • | • | • | |
| | Dual Set Point *1 | | • | • | | • | • | • | • | • | ٠ | |
| System Control | PAR-41MAA Control *2 | | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | |
| CONTROL | PAR-CT01MAA Control *2 | 2 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | |
| | PAC-YT52CRA Control *2 | 2 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | |
| | Centraliesd On/Off Control | ol *2 | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | |
| | | | • | ٠ | Opt | ٠ | ٠ | Opt | Opt | Opt | Opt | |
| | System Group Control *2 | | | | Opt | Opt | Opt | Opt | Opt | Opt | Opt | |
| | System Group Control *2 M-NET Connection *2 | | Opt | Opt | opt | | | | 1 | | | |
| | | | | Opt | opr | • | • | 71-200 | • | 71-250 | • | 1 |
| Installation | M-NET Connection *2 | | Opt | | | • | • | 71-200 | • | 71-250 | • | |
| Installation | M-NET Connection *2 COMPO Cleaning-free Pipe Reuse | | Opt 71-250 | • | | | | • | • | • | • | |
| Installation | M-NET Connection *2 COMPO Cleaning-free Pipe Reuse Reuse of Existing Wiring | 2 | Opt 71-250 | • | | | | | | | | |
| Installation | M-NET Connection *2 COMPO Cleaning-free Pipe Reuse Reuse of Existing Wiring Wiring/Piping Correction | 2 | Opt 71-250 Opt | Opt | • | • | • | Opt | Opt | Opt | Opt | |
| Installation | M-NET Connection *2 COMPO Cleaning-free Pipe Reuse Reuse of Existing Wiring Wiring/Piping Correction Drain Pump | 2 | Opt 71-250 Opt 0pt | Opt | | Opt | Opt | Opt Opt | Opt Opt | Opt Opt | Opt Opt | |
| Installation | M-NET Connection *2 COMPO Cleaning-free Pipe Reuse Reuse of Existing Wiring Wiring/Piping Correction Drain Pump Pump Down Switch | 2 | Opt 71-250 Opt •*3 • | Opt **3 | • | Opt | Opt | Opt Opt | Opt Opt | Opt Opt | Opt Opt | |
| | M-NET Connection *2 COMPO Cleaning-free Pipe Reuse Reuse of Existing Wiring Wiring/Piping Correction Drain Pump Pump Down Switch Flare Connection | Function | Opt 71-250 Opt ••• ••• ••• | Opt **3 • | • | Opt • | Opt • | Opt Opt Opt | Opt Opt Opt | Opt Opt | Opt Opt | |
| Installation | M-NET Connection *2 COMPO Cleaning-free Pipe Reuse Reuse of Existing Wiring Wiring/Piping Correction Drain Pump Pump Down Switch Flare Connection | Function | Opt 71-250 Opt •*3 • | Opt **3 | • | Opt | Opt | Opt Opt | Opt Opt | Opt Opt | Opt Opt | |

"1 This function is only available with PAR-41MAA, PAC-YT52CRA, PAR-SL101A-E. "2 Please refer to "System Control" on pages for details. "3 PEAD-M JAL are not equipped with a drain pump.

| | | | | P SERIES | | | |
|---|---------|-------------------|----------|------------|---------|-------------------|-------|
| | PCA-M3 | 5/50/60/71/100/12 | 5/140KA2 | PCA-M71HA2 | PS | A-M71/100/125/140 |)KA |
| | PUZ-ZM | PUZ-M | SUZ-M | PUZ-ZM | PUZ-ZM | PUZ-M | SUZ-M |
| _ | | | | | | | |
| | ٠ | • | | ٠ | | | |
| | • | • | | • | • | • | |
| | • | • | | • | • | • | |
| | • | • | • | • | • | • | • |
| | • | • | | • | • | • | |
| | | | | | | | |
| | • | • | | • | • | • | |
| | • | • | | • | • | • | |
| | • | • | | • | • | • | |
| | • | • | • | • | • | • | • |
| | 35-71 | 100 | • | 71 | 71 | 100 | • |
| | • | • | | • | • | • | |
| | 35-71 | 100-140 | • | 71 | 71 | 100-140 | ٠ |
| | 100-250 | 200/250 | | 100-250 | 200-250 | 200/250 | |
| | 35-71 | 100 | ٠ | 71 | 71 | 100 | ٠ |
| | ٠ | • | • | ٠ | ٠ | ٠ | • |
| | ٠ | • | | ٠ | ٠ | • | |
| | 35-140 | 100-140V | • | 71-140 | 71-140 | 100-140V | • |
| | 35-250 | 100-250 | | 71-250 | 71-250 | 100-250 | |
| | ٠ | • | • | ٠ | • | ٠ | • |
| | | | | | | | |
| | | | | | | | |
| | Opt | Opt | | Opt | Opt | Opt | |
| | • | • | • | | • | • | • |
| | • | • | • | | | | |
| | • | • | • | • | | | |
| | Opt | Opt | Opt | | | | |
| | | - | | • | | | |
| | • | • | • | | • | • | • |
| | • | • | • | • | • | • | • |
| | • | • | • | | | | |
| | • | • | • | | • | • | • |
| | • | • | • | | | | |
| | • | • | • | | • | • | • |
| | • | • | • | • | • | • | • |
| | • | • | • | • | • | • | • |
| | • | • | • | • | • | • | • |
| | • | • | • | • | • | • | • |
| | • | • | | • | • | • | |
| | 60-140V | | | | 71-140V | | |
| | | | | | | | |
| | • | • | | ٠ | • | • | • |
| | • | • | | | | | |
| | Opt | Opt | Opt | Opt | • | • | • |
| | Opt | Opt | Opt | Opt | | | |
| | Opt | Opt | Opt | Opt | | | |
| | Opt | Opt | Opt | Opt | Opt | Opt | Opt |
| | • | • | Opt | • | Opt | Opt | Opt |
| | Opt | Opt | Opt | Opt | Opt | Opt | Opt |
| | 71-250 | • | | 71-250 | 71-250 | | - |
| | • | • | • | • | • | • | • |
| | Opt | Opt | | Opt | Opt | Opt | |
| | | | | | | | |
| | Opt | Opt | Opt | | | | |
| | | • | | • | | | |
| | • | | | | | | |
| | • | • | • | • | • | • | • |

If a numerical figure is listed, the feature is only available with the outdoor unit of that capacity.
 Opt: Optional parts must be purchased.

FUNCTION LIST (4)

| Category | Icon | | | | | MXZ | SERIES | | | | | PXZ : | SERIES |
|---------------|-----------------------------------|------------------|-------|-----|---------|-----|--------|---------|-----|---------|---------|-------|--------|
| | Series | Lo | -std | | Std | | | Std | | Hyper H | leating | PXZ | Z-VG |
| | | | Z-VF2 | | MXZ-VF4 | | | MXZ-VF2 | | MXZ-\ | /FHZ2 | PXZ | Z-VG |
| | Outdoor u | unit 2HA | 3HA | 2F | 3F | 4F | 4F | 5F | 6F | 2F | 4F | 4F75 | 5F85 |
| Technology | DC Inverter | • | • | • | • | • | • | ٠ | ٠ | • | • | • | • |
| | Joiint Lap DC Motor | • | • | • | • | • | • | • | | ٠ | | • | • |
| | Magnetic Flux Vector Sine Way | ve Drive | | | | | | | | | | | |
| | Reluctance DC Rotary Comper | | | | | | | | | | | • | • |
| | Highly Efficient DC Scroll Com | | | | | | | | | | | | |
| | Heating Caulking (Compressor | | • | • | • | • | • | • | • | • | • | • | • |
| | DC Fan Motor | • | • | • | • | • | • | • | • | • | • | • | • |
| | Vector-Wave Eco Inverter | | | - | - | | | | | | - | | |
| | PAM (Pulse Amplitude Modulat | tion) | • | • | • | • | • | • | • | • | | • | • |
| | | | | • | _ | | • | • | • | • | • | • | • |
| | Power Receiver and Twin LEV | | • | | • | • | | | | | | | |
| | Grooved Piping | • | • | • | • | • | • | • | • | • | • | • | • |
| i-see Sensor | | see) | | | | | | | | | | | |
| | AREA Temperature Monitor | | | | | | | | | | | | |
| Energy Saving | Demand Function | | | | | | | | | | | | |
| Attractive | Pure White | | | | | | | | | | | | |
| | Auto Vane | | | | | | | | | | | | |
| Air Quality | Fresh-air Intake | | | | | | | | | | | | |
| | High-efficiency Filter | | | | | | | | | | | | |
| | Oil Mist Filter | | | | | | | | | | | | |
| | Filter Check Signal | | | | | | | | | | | | |
| Air | Horizontal Vane | | | | | | | | | | | | |
| Distribution | Vertical vane | | | | | | | | | | | | |
| | High Ceiling Mode | | | | | | | | | | | | |
| | Auto Fan Speed Mode | | | | | | | | | | | | |
| Convenience | | | | | | | | | | | | | |
| | Auto Changeover | | • | • | • | • | • | • | • | • | • | • | • |
| | | • | | | - | - | | _ | - | - | | - | - |
| | Auto Restart | • | • | • | • | • | • | • | • | • | • | • | • |
| | Low- temperature Cooling | • | • | • | • | • | • | • | • | • | • | • | • |
| | 10°C Heating | | | •*1 | •*1 | •*1 | •*1 | •*1 | •*1 | •*1 | •*1 | • | • |
| | Low-noise Operation (Outdoor) |) | • | • | • | • | • | • | • | • | • | • | • |
| | Night Mode | | | | | | | | | | | | |
| (0) | Ampere Linit Adjustment | | | | | | | | | | | • | • |
| tions | Operation Lock (Indoor) | | | | | | | | | | | | |
| Functions | Operation Lock (Outdoor) | • | • | • | • | • | • | ٠ | • | • | • | • | • |
| | Built-in Weekly Timer Function | | | | | | | | | | | | |
| | Rotation, Back-up abd 2nd Stage 0 | Cut-in Functions | | | | | | | | | | | |
| | Dual Set Point | | | | | | | | | | | | |
| System | PAR-41MAA Control | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt |
| Control | PAR-CT01MAA Cotrol | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt |
| | PAC-YT52CRA Control | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt |
| | Centralised On/off Control | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt | Opt |
| | System Group Control | | | Opt | Opt | Opt | | Opt | Opt | Opt | | | |
| | M-NET Connection | Opt | Opt | Opt | Opt | Ορι | Opt | Opt | ομι | Opt | Opt | Opt | Opt |
| | Wi-Fi Interface | | | | | | | | | | | Opt | Opt |
| | | | | | | | | | | | | Opt | Opt |
| | Energy/Consumption Monitaring tro | ourn MEL GIOUD | | | | | | | | | | Opt | Opt |
| | СОМРО | | | | | | | | | | | Opt | Opt |
| | MXZ Connection | •*2 | •*2 | •*2 | •*2 | •*2 | •*2 | •*2 | •*2 | •*2 | •*2 | • | • |
| Installation | Cleaning-free Pipe Reuse | •*3 | •*3 | •*3 | ●*3 | ●*3 | ●*3 | ●*3 | ●*3 | •*3 | ●*3 | | |
| | Reuse of Existing Wiring | | | | | | | | | | | | |
| | Wiring/Piping Correction Funct | ion 🔹 | • | • | • | • | • | • | • | • | • | • | • |
| | Drain Pump | | | | | | | | | | | | |
| | Pump Down Switch | | • | | • | • | | | | | | | |
| | Flare Connection | • | • | • | • | • | | | | | | • | ٠ |
| Maintenance | Self-Diagnosis Function (Check Co | ode Display) | • | • | • | • | | | | | | • | • |
| | Failure Recall Function | • | • | • | • | • | | | | | | • | • |

*1 When multiple indoor units connected to an MXZ outdoor unit are running at the same time, simultaneous cooling and heating is not possible. *2 For the possible connectivity of MXZ outdoor units and indoor units, please refer to the list on page 116 for details. *3 Please refer to "System Control" on pages for details.

 The figures listed in the table are "only when combined with an outdoor unit with the appropriate capacity range".
 Opt: Separate parts must be purchased.

Major Optional Parts

| Part Name | Description | Part Name | Description |
|--|-----------------------------------|---|--|
| Plasma Quad Connect High performance air purifying device that effectively removes various kinds of air pollut- ants and is even installable on the existing indoor unit. | Plasma Quad Connect | Multi-functional Casement Casement for fresh-air intake and attaching the high-efficiency filter element (optional). | Indoor unit body Multi-functional casement |
| Deodorising Filter Captures small foul-smelling substances in the air. | Decodorsing liter | Fresh-air Intake Duct Flange Flange attachment for adding a duct to take in fresh air from outside. | "For 4-way cassette units (PLA) |
| Air-cleaning Filter Removes fine dust particles from the air by means of static electricity. | Air-cleaning filter | Space Panel Decorative cover for the installation when the ceiling height is low. | Space Panel |
| V Blocking Filter Inhibits 99% of adhered virus, and other harmful substances, such as bacteria, mold and allergen. | V Blocking Filter | Drain Pump Pumps drain water to a point higher than that where the unit is installed. | "for ceiling-suspended units |
| Silver-ionized Air Purifier Filter Captures the bacteria, pollen and other aller- gens in the air and neutralises them. | Silver-ionized Air Punfier Filter | Decorative Cover To be attached to the upper section of ceiling- suspended models for professional kitchen use. Helps prevent dust accumulation. | Decorative cover |
| Oil Mist Filter Element Filter element (12 pieces) that blocks the oil mist for ceiling-suspended models used in professional kitchens. | Filter frame Filter element | MA Interface Interface for connecting with the PAR-41MAA remote controller and PAC-YT52CRA. | MA & contact terminal interface |
| High-efficiency Filter Element Element for high-efficiency filter. Removes fine dust particles from the air. | *For 4-way cassette units (PLA) | System Control Interface Interface to connect with M-NET controllers. | System control interface |
| 3D i-see Sensor Corner Panel for SLZ Corner panel holding the 3D i-see Sensor. | i-see Sensor correr panel | Wi-Fi Interface Interface enabling users to control air condi- tioners and check operating status via devices such as personal computers, tablets and smartphones. | WiFi interface |
| 3D Total Flow for PLA Casement equipped with horizontal louver. | | Connector Cable This product is an adaptor which inputs the incoming signals from an open/close switch to the air conditioner and outputs the on/off signals from the air conditioner. | Switch |
| 3D i-see Sensor Corner Panel for PLA Corner panel holding the 3D i-see Sensor. | I-see Sensor correr parel | Power Supply Terminal Kit Terminal bed to change the power supply from outdoor power supply to separate indoor/ outdoor power supplies. | |
| Shutter Plate Plate for blocking an air outlet of the 4-way cassette (PLA) indoor unit. | Shutter Plate | Wired Remote Controller Advanced deluxe remote controller with full- dot liquid-crystal display and backlight. Equipped with convenient functions like night- setback. | |

| Part Name | Description | Part Name | Description |
|--|---|--|---|
| MA Touch Remote Controller Remote controller with the full color touch display. Smartphone/Tublet App is available for setting, customize and control. | | Joint Pipe Part for connecting refrigerant pipes of differ- ent diametres. | Indoor unit |
| Simple Wired Remote Controller Remote controller with liquid-crystal display, and backlight function for operation in dark location. | | Liquid Refrigerant Dryer Removes water and minute particles from refrigerant pipes. | |
| Remote Controller Terminal Block Kit for PKA The terminal block is used as a relay to wire an indoor unit and to two remote controllers or to wire a remote controller and multiple indoor units in order to perform group control. | | Branch Box Outer Cover Casement for branch boxes. | Complete view |
| Wireless Remote Controller Signal Sender Handheld unit for sending operation signals to the indoor unit. | Handheld unit | Air Discharge Guide Changes the direction of air being exhausted from the outdoor unit. | |
| Wireless Remote Controller Signal Receiver Receives operation signals from the wireless remote controller handheld unit. | Signal receiver | Air Protection Guide Protects the outdoor unit from the wind. | |
| Wireless Remote Controller Kit (Sender & Receiver) Remote controller handheld unit (signal sender) and receiver (signal receiver) for ceiling- suspended units. | Signal receiver Signal sender | Drain Socket A set of caps to cover unnecessary holes at the bottom of the outdoor unit, and a socket to guide drain water to the local drain pipe. | Cap Socket |
| Control Holder Holder for storing the remote controller. | Control holder | Centralised Drain Pan Catches drain water generated by the outdoor unit. | Outdoor unit Centralised drain pan Base (local construction) |
| Remote Sensor Sensor to detect the room temperature at remote positions. | Remote sensor | M-NET Converter Used to connect P Series A-control models to M-NET controllers. | Group namedie controller Converter Poer assay volt Poer assay volt |
| Remote On/Off Adapter Connector for receiving signals from the local system to control the on/off function. | Remote on/off adapter | Control/Service Tool Monitoring tool to display operation and self- diagnosis data. | Control/service tool |
| Remote Operation Adapter Adapter to display the operation status and control on/off function from a distance. | Remote operation adapter | Step Interface Interface for adjusting the capacity of inverter- equipped outdoor units. | Case interior |
| Connector Cable for Remote Display Connector used to display the operation status and control on/off function from a distance. | Connector cable for remote display T T T T T Connector cable for remote display Red Orange Vellow Green | High-static Fan Motor Static pressure enhanced up to +30pa. | |
| Distribution Pipe Branch pipe for P Series simultaneous multi- system use, or to connect two branch boxes for PUMY. | Indoor unit Indoor unit Distribution pipe Verles with 2 indoor units | | |

Optional Parts List <Indoor>

| | Option | | Silver- | ionized | | | Filter | | | Deod | orising | Plasma | Softdry | System Control | MA | Wi-Fi | Con | nector | |
|---------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|----------------------|----------------------|---------------------|----------------------|---------------------|---------------------|---------------------|----------------------|----------------------|---|
| | | MAG | Air Purif | fier Filter | | | | ing Filter | | Fil | Iter | Quad Connect | Cloth | Interface | Interface | Interface | | able | |
| Indoor Unit | | MAC- 2360 FT | MAC- 2370 FT | MAC- 2380 FT | MAC- 2390 FT | MAC- 2450 FT | MAC- 2460 FT | MAC- 2470 FT | MAC- 2490 FT | MAC- 3000 FT-E | MAC- 3010 FT-E | MAC- 100 FT-E | MAC- 1001 CL-E | MAC- 334 IF-E | MAC- 497 IF-E | MAC- 587 IF-E | MAC- 1702 RA-E | MAC- 1710 RA-E | |
| Wall - mounted | MSZ-RW25VG | | | | | | | | • | | • | | | • | • | | • | • | _ |
| mounted | MSZ-RW35VG MSZ-RW50VG | | | | | | | | • | | | | | • | • | | • | • | |
| | MSZ-LN18VG2(W)(V)(R)(B) | | | | | | | | • | | • | | • | • | • | | • | • | |
| | MSZ-LN25VG2(W)(V)(R)(B) | | | | | | | | • | | • | | • | • | • | | • | • | |
| | MSZ-LN35VG2(W)(V)(R)(B) | | | | | | | | • | | • | | • | • | • | | • | • | |
| | MSZ-LN50VG2(W)(V)(R)(B) | | | | | | | | • | | • | | • | • | • | | ٠ | ٠ | |
| | MSZ-LN60VG2(W)(V)(R)(B) | | | | | | | | • | | • | | • | • | | | • | • | |
| | MSZ-FT25VG | | | | | | | | | | | | | | | •*3 | | | |
| | MSZ-FT35VG | | | | | | | • | | | | • | | • | • | •*3 | • | • | - |
| | MSZ-FT50VG | | | | | | | •1 | | | | • | | • | • | •3 | • | • | |
| | MSZ-AY15VGK(P) MSZ-AY20VGK(P) | | | | | | | •1 | | | | • 2 | | • | • | • 3 | • | • | |
| | MSZ-AY25VGK(P) | | | | | | | •1 | | | | • 2 | | • | • | •*3 | • | • | - |
| | MSZ-AY35VGK(P) | | | | | | | •1 | | | | •*2 | | • | • | • 3 | • | • | |
| | MSZ-AY42VGK(P) | | | | | | | •1 | | | | •*2 | | • | • | •*3 | • | • | |
| | MSZ-AY50VGK(P) | | | | | | | •1 | | | | •*2 | | • | ٠ | •'3 | | ٠ | |
| | MSZ-AP60VG | | | | | | • | | | | | • | | | • | •*3 | | | |
| | MSZ-AP71VG | | | | | | • | | | | | • | - | • | • | •*3 | • | • | - |
| | MSZ-EF18VG(W)(B)(S) MSZ-EF22VG(W)(B)(S) | | | | | | | • | | | | • | • | • | • | •3 | • | • | |
| | MSZ-EF22VG(W)(B)(S) MSZ-EF25VG(W)(B)(S) | | | | | | | • | | | | • | • | • | • | • 3 | • | • | |
| | MSZ-EF35VG(W)(B)(S) | | | 1 | | | | • | | | | • | • | • | • | • 3 | • | • | + |
| | MSZ-EF42VG(W)(B)(S) | | | | | | | • | | | | • | • | • | • | •.3 | • | • | |
| | MSZ-EF50VG(W)(B)(S) | | | | | | | ٠ | | | | • | ٠ | ٠ | ٠ | •*3 | ٠ | ٠ | |
| | MSZ-BT20VG | | | | | | | • | | | | • | | • | • | •.3 | • | • | |
| | MSZ-BT25VG | | | | | | | | | | | • | | | • | •*3 | | | |
| | MSZ-BT35VG | | | | | | | • | | | | • | | • | • | •*3 | • | • | |
| | MSZ-BT50VG MSZ-HR25VF | | | | | | | • | | | | • | | • | • | •3 | • | • | |
| | MSZ-HR35VF | | | | | | | • | | | | • | | • | • | • 3 | • | • | |
| | MSZ-HR42VF | | | | 1 | | | • | | | | • | | • | • | •*3 | • | • | 1 |
| | MSZ-HR50VF | | | | | | | • | | | | | | • | • | •*3 | | ٠ | |
| | MSZ-HR60VF | | | | | | | ٠ | | | | ٠ | | ٠ | • | •*3 | | ٠ | |
| ES | MSZ-HR71VF | | | | | | | • | | | | • | | • | • | •.3 | • | • | |
| SERIES | MSZ-DW25VF | | | | | | | • | | | | • | | • | • | •3 | • | • | |
| S | MSZ-DW35VF MSZ-DW50VF | | | | | | | • | | | | • | | • | • | • 3 | • | • | - |
| | MSY-TP35VF | | | | | | | • | | | | • | | • | • | • 3 | • | • | |
| | MSY-TP50VF | | | | | | | • | | | | • | | • | • | •*3 | • | • | |
| | MSZ-FH25VE2 | | | ٠ | | | | | | ٠ | | | | • | • | •*3 | • | • | |
| | MSZ-FH35VE2 | | | | | | | | | | | | | | | •*3 | | | |
| | MSZ-FH50VE2 | | | ٠ | | | | | - | ٠ | | - | | • | • | •*3 | • | ٠ | - |
| | MSZ-SF15VA | | | | | | | | | | | • | | • | • | •*3 | | | |
| | MSZ-SF20VA MSZ-SF25VE3 | | • | | | | | | | | | • | | • | • | •*3 | | | |
| | MSZ-SF25VE3 MSZ-SF35VE3 | | • | | | | | | | | | • | | • | • | • 3 | | | + |
| | MSZ-SF42VE3 | | • | | | | | | | | | • | | • | • | • 3 | | | |
| | MSZ-SF50VE3 | | • | | | | | | | | | • | | • | | •*3 | | | |
| | MSZ-GF60VE2 | • | | | | | ٠ | | | | | ٠ | | ٠ | ٠ | •*3 | | | |
| | MSZ-GF71VE2 | | - | | | | | | | | | • | | • | • | •*3 | - | | |
| | MSZ-WN25VA | | • | | | | | | | | | • | | • | • | •*3 | • | • | - |
| | MSZ-WN35VA MSZ-DM25VA | | • | | | | | | | | | • | | • | • | •3 | • | • | |
| | MSZ-DM25VA MSZ-DM35VA | | • | | | | | | | | | • | | • | • | • 3 | • | • | |
| | MSZ-HJ25VA | | • | 1 | | | | | | | | | | | - | | • | • | |
| | MSZ-HJ35VA | | • | | | | | | | | | | | | | | • | • | |
| | MSZ-HJ50VA | | • | | | | | | | | | | | | | | • | • | |
| | MSZ-HJ60VA | | ٠ | | | | | | | | | | | | | | ٠ | ٠ | |
| | MSZ-HJ71VA | | • | | | | | - | | | | | | | - | | • | • | |
| Floor - standing | MFZ-KT25VG MFZ-KT35VG | | • | | - | | | • | | | | | | • | • | •3 | • | • | - |
| | MFZ-KT50VG | | • | | | | | • | | | | | | • | • | • 3 | • | • | |
| | MFZ-KT60VG | | • | | | | | • | | | | | | • | • | • 3 | • | • | |
| | MFZ-KW25VG | | • | | | | | • | | | | | | • | • | •*3 | • | • | |
| | MFZ-KW35VG | | | | | | | | | | | | | | | •*3 | | | |
| | MFZ-KW50VG | | • | | | | | • | | | | | | • | • | • '3 | • | • | - |
| | MFZ-KW60VG | | • | | | | | • | | | | | | • | • | • '3 | • | • | |
| 1-way | MLZ-KP25VF | | • | | | | | • | | | | | | • | • | •*3 | • | • | |
| | MI 7-KP35VE | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | - | - | | - | | 1 |
| cassette | MLZ-KP35VF MLZ-KP50VF | | • | | | | | • | | | | | | • | • | •"3 | • | | |

11 Equipped as standard for VGK model.
 12 Plasma quad plus is equipped as standard for VGKP model.
 13 Outside attachment only.
 14 Either MAC-334IF-E or MAC-497IF-E is required. Up to two wired remote controllers can be connected at the same time.
 15 Either MAC-334IF-E or MAC-497IF-E is required. Only one wired remote controller can be connected.
 16 Available only for LN18/25/35/50/60VG2B/R/V.
 17 Available only for LN18/25/35/50/60VG2W.

| | Wired R | emote Co | ntroller | Wireless Remote Controller | Cor | ntroller Hol | lder |
|---|---------------|---------------------|---------------------|----------------------------------|---------------------|----------------------|----------------------|
| | PAR- 41MAA | PAR- CT01 MAA | PAC- YT52 CRA | MAC- SL100 M-E | MAC- 286 RH-E | MAC- 1200 RC-E | MAC- 1300 RC-E |
| | •*4 | •*5 | •*4 | | | | |
| | •*4 | •*5 | •*4 | | | | |
| | •*4 | •*5 | •*4 | | | | |
| | •*4 | •*5 | •*4 | | •*6 | | •*7 |
| | •4 | •*5 | •*4 | | •*6 | | • 7 |
| | •*4 | •*5 | •*4 | | •*6 | | • 7 |
| | • 4 | •*5 | • 4 | | •*6 | | • 7 |
| | •*4 •*4 | •*3 | • 4 | | •*6 | | ••7 |
| | • 4 | •*5 | •4 | | | | • |
| | • 4 | •*5 | • 4 | | | | • |
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| | •*4 | •*5 | •*4 | | | | • |
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Optional Parts List <Indoor>

| ~ | | Option | | | | | | | | | Fi | ilter | | | | | | | | | [|
|--|---|------------------------------------|---|--|--|--|--|--|---|-------------|----------------------|-------------|-------------|--|--------------|--------------|----------------------|-----------|------|--------------|---|
| | | <u> </u> | Oil Mist Filter Element | Life | | ligh-effici Elen | ciency Filt | lter | | | V BI | Blocking F | Filter | | | | | Filter Bo | хс | | |
| ., | · • • • - • 4 | | PAC- SG38 KF-E | - PAC- 3 KE85 | - PAC- 5 SH59 | 9 SH88 | 3 SH89 | SH90 | SK53 | SK54 | PAC- SK55 KF-E | SK56 | SK57 | 2470 | 1416 | KE92 | PAC- KE93 TB-E | 3 KE94 | KE95 | KE250 | |
| _ | door Unit 4-way | SLZ-M15FA2 | | | | | | <u> </u> ' | | | <u> </u> | + | | + | +' | + | + | | | | i |
| | cassette | SLZ-M15FA2 | | | | | | | +' | | | | | - | <u> </u> | | | | | \vdash | |
| | | SLZ-M35FA2 | - | | - | | | | | | | | | | | - | - | - | | | |
| | | SLZ-M50FA2 | | | | | | \square | \square | | | | | \square | | \square | | | | | |
| | | SLZ-M60FA2 | | | | | | - | - | • | | | | | - | - | | | | | |
| | Ceiling - | SEZ-M25DA(L)2 | | | | | | | | | | | | | | | | | | | |
| 0 | conceald | SEZ-M35DA(L)2 | | | | - | | - | - | | | — | — | | - | - | - | | | | |
| | | SEZ-M50DA(L)2 | | | | | | | | | | | | | | | | | | | |
| 0 | | SEZ-M60DA(L)2 | | | | 1 | · · · | _ | | | | | · · · | <u> </u> | <u> </u> | | | | | | |
| | | SEZ-M71DA(L)2 | | | | | | | | | | | | | | | | | | / | |
| | Concealed floor standing | SFZ-M25VA | | | | | | | <u> </u> | | <u> </u> | | <u> </u> | ' | <u> </u> | | | | | · ' | 1 |
| | 100r Standing | SFZ-M35VA | | | | | | | | | | | | | | | | | | | |
| | | SFZ-M50VA | | | | ' | ' | ' | ' | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | ' | · ' | | | | <u> </u> | Ē |
| | | SFZ-M60VA | | | | | | | | | | | | | | | | | | | |
| | | SFZ-M71VA | | | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | Ĺ | <u> </u> | <u> </u> | Ē. | | | <u> </u> | Ē |
| | 4-way cassette | PLA-ZM35EA2 | | | | | | | | | | | | | | | | | | | |
| | 54555 | PLA-ZM50EA2 | | | • | <u> </u> | <u> </u> | <u> </u> | • | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | | | <u>ب</u> | L |
| | | PLA-ZM60EA2 | | | | | | | | | | | | | | | | | | | |
| | | PLA-ZM71EA2 | | | • | <u> </u> | <u> </u> | <u> </u> | • | <u> </u> | ' | ' | <u> </u> | <u> </u> | <u> </u> | | 1 | | | <u> </u> | L |
| | | PLA-ZM100EA2 | | 4 | | 4 | | | | 4 | | - | ' | 4' | | 4 | 4 | 4 | | | |
| | | PLA-ZM125EA2 | - | | • | ' | ' | <u> </u> ' | • | <u> </u> | <u> </u> | | | <u> </u> | | | \vdash | | | <u> </u> | l |
| | | PLA-ZM140EA2 | | | | | | | | | | | ' | 4' | | | 4 | 4 | | | |
| | | PLA-M35EA2 | <u> </u> | | | <u> </u> | ' | <u> </u> | • | <u> </u> | | | | <u> </u> ' | | - | \square | | | <u> </u> | 1 |
| | | PLA-M50EA2 | | | | - | | | | | | - | | ' | | - | 1 | | | | 1 |
| | | PLA-M60EA2 | | | • | ľ | - | <u> </u> | • | \square | | - | | | | | | | | \square | |
| | | PLA-M71EA2 | | | • | | | | | | | | | | | | | | | | |
| | | PLA-M100EA2 | | | | - | - | <u> </u> | • | \square | | - | | <u> </u> | | | | | | \vdash | |
| | | PLA-M125EA2 PLA-M140EA2 | | | | | - | - | | | | - | - | - | - | - | | | | | |
| ł | Ceiling - P | PLA-M140EA2 PEAD-M35JA(L)2 | - | \leftarrow | | - | - | - | • | - | - | \square | \vdash | \vdash | - | - | | | | \vdash | |
| | | PEAD-M35JA(L)2 PEAD-M50JA(L)2 | | | | | - | - | - | | | - | - | | - | | | | | | |
| | | PEAD-M50JA(L)2 PEAD-M60JA(L)2 | | | | + | \leftarrow | \vdash | \vdash | \vdash | | | \vdash | \vdash | \vdash | | | | | \vdash | 1 |
| | | PEAD-M60JA(L)2 PEAD-M71JA(L)2 | | | | | | - | - | - | | - | - | | | - | | | | | |
| | | PEAD-M71JA(L)2 PEAD-M100JA(L)2 | | | | + | \vdash | +' | + | | | | \vdash | \vdash | - | \vdash | | | | \vdash | 1 |
| ES | | PEAD-M100JA(L)2 PEAD-M125JA(L)2 | | | | - | - | - | - | | | - | - | - | - | - | - | | | | 1 |
| P SERIES | | PEAD-M125JA(L)2 PEAD-M140JA(L)2 | | | | + | \leftarrow | \vdash | \vdash | \vdash | | | \vdash | \vdash | \vdash | + | | | | \vdash | 1 |
| | | PEAD-M140JA(L)2 PEA-M200LA2 | | | | | - | - | - | | | - | - | - | - | - | 1 | | | | 1 |
| | | PEA-M200LA2 PEA-M250LA2 | | | | | \leftarrow | \vdash | \leftarrow | | | | \square | \square | \leftarrow | + | | | | | 1 |
| | Wall - | PEA-M250LA2 PKA-M35LA(L)2 | | | | | | - | | | | - | - | | - | - | | | | | |
| | mounted | PKA-M35LA(L)2 PKA-M50LA(L)2 | | | | | - | + | \vdash | | | | | | - | - | | | | \vdash | |
| | | PKA-M50LA(L)2 PKA-M60KA(L)2 | - | - | - | - | - | - | - | | | - | - | | | - | - | - | - | | |
| | | PKA-M00KA(L)2 | | | | | | \vdash | \vdash | \vdash | | | \square | \square | | t_ | | | | \vdash | |
| | | PKA-M71KA(L)2 PKA-M100KA(L)2 | | | | | | | | | | | | | | | | | | | - |
| | Ceiling - | PCA-M35KA2 | | | | | | \vdash | \vdash | + | | | | | H | \leftarrow | | | | \vdash | |
| | suspended | PCA-M35KA2 PCA-M50KA2 | | | | | | | | - | | | - | | | | | | | | |
| | | PCA-M50KA2 PCA-M60KA2 | | | | | | \leftarrow | \leftarrow | | | | | | \square | \leftarrow | | | | \leftarrow | 1 |
| | | PCA-M60KA2 PCA-M71KA2 | | | | | | - | - | + | — | • | | - | - | - | - | | | | |
| | | PCA-M7TKA2 PCA-M100KA2 | | | | | H | | \vdash | | | | | \square | \square | \vdash | | | | \mapsto | 1 |
| | | PCA-M100KA2 PCA-M125KA2 | | | | - | | | - | + | | - | | - | - | - | 1 | | | | 1 |
| | | PCA-M123KA2 PCA-M140KA2 | | | | | | | \vdash | | | | | | \square | \vdash | | | | \vdash | |
| | | PCA-M71HA2 | | | | | | | - | | | | | | - | | 1 | | | | |
| | Floor - | PSA-M71KA | F | | | | | | | | | | | | | | | | | \vdash | |
| | standing | PSA-M100KA | | | | | - | - | | - | | | - | | - | | | | | | |
| | | PSA-M125KA | | | | | | | | | | | | | | | | | | | |
| | | PSA-M140KA | | | | | | - | | - | ,, | | | - | | | | | | - | |
| Mult 2 Plas Mult 3 Insu 3 Nut 24 V Bl 5 V Bl | ulti functional casem asma Quad Connect ulti functional casem sulation kit(PAC-SK3 nutter Plate(PAC-SJ3 Blocking Filter(PAC- Blocking Filter(PAC- | PSA-M125KA | High-effici- be used wir High-effici- with 3D Tota casement(F ed with Hig ed with Hig | ciency filte with PLP-L ciency filte otal Flow u t(PAC-SJ4 igh-efficien igh-efficien | Iter elemen -U160ELR Iter elemen unit(PLP-I I41TM-E) a iency filter iency filter | ent(PAC-SH R-E(3D Tot ent(PAC-SH P-U160ELR and High- er element(I er element(I | SH59KF-Ej otal Flow u SH59KF-Ej _R-E), Plas h-efficiency tt(PAC-SH5 tt(PAC-SH5 | E) v unit), Insu E). asma Quad cy filter ele 159KF-E). 188KF-E). | sulation kit ad Connec element(PA). | kit (PAC-SK | K36HK-E) | E), Auto el | elevation p | n panel(PLF | LP-6EAJ, F | | | | | | |

| Plasma Quad Cor | | | | | | | | nect | | | | | | | | | 1 | , |
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| | | | | | Plasma | a Quad C | onnect | | | | | | Ser | -see isor | 3D Total | Shutter | Insulation | Multi- functional |
| | | a Quad C | onnect | | Attach | ment for I | Ducted | | Во | x for Duc | ted | | Co | rner nel | Flow unit | Plate | kit | Casement |
| MAC- 100 FT-E | PAC- SK51 FT-E | SLP- FAP | SLP- FALP | SLP- FALMP2 | PAC- HA11 PAR | PAC- HA31 PAR | PAC- HA31 PAU | PAC- KE91 PTB-E | PAC- KE92 PTB-E | PAC- KE93 PTB-E | PAC- KE94 PTB-E | PAC- KE95 PTB-E | PAC- SF1 ME-E | PAC- SE1 ME-E | *1 PLP- U160 ELR-E | PAC- ^{*8} SJ37 SP-E | PAC- ^{*3} SK36 HK-E | PAC- SJ41 TM-E |
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*10 High-efficiency filter element(PAC-SH59KF-E) cannot be used with 3D Total Flow unit(PLP-U160ELR-E), Plasma Quad Connect(PAC-SK51FT-E), Insulation kit (PAC-SK36HK-E) and V Blocking Filter(PAC-SK53KF-E).
 *11 High-efficiency filter element(PAC-SH88KF-E) cannot be used with V Blocking Filter(PAC-SH88KF-E).
 *12 High-efficiency filter element(PAC-SH98KF-E) cannot be used with V Blocking Filter(PAC-SH88KF-E).
 *13 High-efficiency filter element(PAC-SH98KF-E) cannot be used with V Blocking Filter(PAC-SH88KF-E).

Optional Parts List <Indoor>

| | | Option | Fresh-a Du | ir Intake uct nge | Space Panel | | | | Drain Pum | p | | | Decorative Cover | System Control Interface | Wi-Fi Interface | |
|----------|-------------------|---------------------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|----------------------|--------------------------------|---------------------|--|
| Inc | door Unit | | PAC- SH65 OF-E | PAC- SF28 OF-E | PAC- SJ65 AS-E | PAC- SK19 DM-E | PAC- SK01 DM-E | PAC- SJ92 DM-E | PAC- SJ93 DM-E | PAC- SJ94 DM-E | PAC- KE07 DM-E | PAC- KE06 DM-FI | PAC- SF81 KC-E | MAC- 334 IF-E | MAC- 587 IF-E | |
| | 4-way cassette | SLZ-M15FA2 | | | | | | | | | | | | | | |
| | 0000010 | SLZ-M25FA2 | | | | | | | | | | | | | | |
| | | SLZ-M35FA2 | | | | | | | | | | | | | | |
| | | SLZ-M50FA2 | | | | | | | | | | | | | | |
| | | SLZ-M60FA2 | | | | | | | | | | | | | | |
| | Ceiling - | SEZ-M25DA(L)2 | | | | | | | | | | | | | | |
| S | conceald | SEZ-M35DA(L)2 | | | | | | | | | | | | | | |
| SERIES | | SEZ-M50DA(L)2 | | | | | | | | | | | | | | |
| S | | SEZ-M60DA(L)2 | | | | | | | | | | | | | | |
| | | SEZ-M71DA(L)2 | | | | | | | | | | | | | | |
| | Concealed | SFZ-M25VA | | | | | | | | | | | | | | |
| | floor standing | SFZ-M35VA | | | | | | | | | | | | | | |
| | | SFZ-M50VA | | | | | | | | | | | | | | |
| | | SFZ-M60VA | | | | | | | | | | | | • | | |
| | | SFZ-M71VA | | | | | | | | | | | | • | • | |
| | 4-way | PLA-ZM35EA2 | | | | | | | | | | | | •"1 | | |
| | cassette | PLA-ZM50EA2 | • | | • | | | | | | | | | •"1 | • | |
| | | PLA-ZM60EA2 | • | | | | | | | | | | | •"1 | | |
| | | PLA-ZM71EA2 | • | | • | | | | | | | | | •*1 | • | |
| | | PLA-ZM100EA2 | • | | • | | | | | | | | | •"1 | | |
| | | PLA-ZM125EA2 | • | | • | | | | | | | | | •"1 | • | |
| | | PLA-ZM140EA2 | • | | • | | | | | | | | | •"1 | • | |
| | | PLA-M35EA2 | • | | • | | | | | | | | | •*1 | • | |
| | | PLA-M35EA2 PLA-M50EA2 | • | | • | | | | | | | | | •"1 | • | |
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| | | PLA-M60EA2 | • | | • | | | | | | | | | •1 | • | |
| | | PLA-M71EA2 | | | | | | | | | | | | •1 | | |
| | | PLA-M100EA2 | | | | | | | | | | | | | | |
| | | PLA-M125EA2 | | | | | | | | | | | | | | |
| | Ceiling - | PLA-M140EA2 | | | | | | | | | | | | •"1 | | |
| | conceald | PEAD-M35JA(L)2 | | | | | | | | | | | | •" | | |
| | | PEAD-M50JA(L)2 | | | | | | | | | | | | •*1 | | |
| | | PEAD-M60JA(L)2 | | | | | | | | | | | | •"1 | | |
| | | PEAD-M71JA(L)2 | | | | | | | | | | | | •" | | |
| S | | PEAD-M100JA(L)2 | | | | | | | | | | | | •*1 | | |
| P SERIES | | PEAD-M125JA(L)2 | | | | | | | | | | | | •*1 | | |
| P SI | | PEAD-M140JA(L)2 | | | | | | | | | | | | •*1 | | |
| | | PEA-M200LA2 | | | | | | | | | | | | •1 | • | |
| | | PEA-M250LA2 | | | | | | | | | | | | •*1 | | |
| | Wall - mounted | PKA-M35LA(L)2 | | | | | | | | | | | | •" | | |
| | | PKA-M50LA(L)2 | | | | | | | | | | | | •*1 | | |
| | | PKA-M60KA(L)2 | | | | | | | | | | | | •*1 | | |
| | | PKA-M71KA(L)2 | | | | | | | | | | | | •"1 | | |
| | | PKA-M100KA(L)2 | | | | | | | | | | | | •"1 | | |
| | Ceiling - | PCA-M35KA2 | | | | | | | | | | | | •*1 | | |
| | suspended | PCA-M50KA2 | | | | | | | | | | | | •1 | | |
| | | PCA-M60KA2 | | | | | | | | | | | | •"1 | | |
| | | PCA-M71KA2 | | | | | | | | | | | | •1 | | |
| | | PCA-M100KA2 | | | | | | | | | | | | | | |
| | | PCA-M125KA2 | | | | | | | | | | | | | | |
| | | PCA-M140KA2 | | | | | | | | | | | | | | |
| | | PCA-M71HA2 | | | | | | | | | | | | | | |
| | Floor - | PSA-M71KA | | - | | | | | | | | | | | | |
| | standing | PSA-M100KA | | | | | | | | | | | | | | |
| | | PSA-M125KA | | | | | | | | | | | | | | |
| | | PSA-M140KA | | | | | | | | | | | | | • | |
| | | a used in combination with SLIZ | | L | L | L | L | L | | L | l | <u> </u> | L | <u> </u> | | |

*1 P Series indoor units can be used in combination with SUZ or MXZ outdoor units. *2 Unable to use with wireless remote controller. *3 PAC-SH29TC-E is required for wireless model.

| | | | | | Wi | red Remo | te Contro | ller | | Wire | less Rem | note Cont | roller | | | | | |
|----------------|-------------|------------|-----------|------|----------|------------|-----------|-------------------------|--------|--------|----------|------------|--------|-------------------------------|--------|-------------------|------|------------------------|
| | Dama | | | | | | | Terminal | | | | | | Controller | Remote | Remote | 1 | Connector Cable for |
| | Power S | Supply Ter | minai kit | | | Controller | | Block kit for PKA | Signal | Sender | Sig | ınal Recei | ver | Kit (Sender & Receiver) | Sensor | On/Off Adapter | 1 · | Remote Display |
| PAC- | PAC- | PAC- | PAC- | PAC- | PAR- | PAR- | PAC- | PAC- | PAR- | PAR- | PAR- | PAR- | PAR- | PAR- | PAC- | PAC- | PAC- | PAC- |
| SK38 | SG94 | SG96 | SG97 | SJ39 | 41 | CT01 | YT52 | SH29 | SL97 | SL101 | SA9 | SF9 | SE9 | SL94 | SE41 | SE55 | SF40 | SA88 |
| HR-E | HR-E | HR-E | HR-E | HR-E | MAA | MAA | CRA | TC-E | A-E | A-E | CA-E | FA | FA-E | B-E | TS-E | RA-E | RM-E | HA-E |
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| | | | | | DA2 | DA2 | DA2 | | | •*4 | | | | | | | •*2 | |
| | | | | | DA2 | DA2 | DA2 | | | •*4 | | | | | | | •*2 | |
| | | | | | DA2 | DA2 | DA2 | | | •*4 | | | | | | | •*2 | |
| | | | | | DA2 | DA2 | DA2 | | | •*4 | | | | | | | •*2 | |
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| *4 Group (| control can | ÷ | l | | <u> </u> | | l | L | L | | | | | | | | | |

Optional Parts List <Outdoor>

| | Option | | | Distribut | tion Pipe | | | 11.5 | | | Joint | | | | | Liquid | Refrigera | ant Dryer | - |
|------------------|--------------------------------|-----------------|-----------------|-----------------|------------------|-----------------|--------------------|-----------|----------------------|---------------------------------------|----------------------|-------------------------------------|---------------|--------------------|-----------|----------------------|----------------------|--------------|---|
| | | | Twin :50) | | Triple (3:33) | | adruple :25:25) | > Pipe | > Pipe | Unit ø15.88 > Pipe ø19.05 | > Pipe | Unit ø6.35 > Pipe ø9.52 | > Pipe | ø12.7 > Pipe | > Pipe | For Pipe ø6.35 | For Pipe ø9.52 | | , |
| Dutdoor Unit | | MSDD- 50TR-E | MSDD- 50WR-E | MSDT- 111R-E | MSDT- 111R3-E | MSDF- 111R-E | MSDF- 111R2-E | PAC- | PAC- SG73 RJ-E | PAC- | PAC- SG76 RJ-E | PAC- 493 | Flare MAC- | MAC- | | PAC- SG81 | | PAC- SG85 | |
| | | | | | | | | TIO-L | 110- | TIU-L | RJ-E | PI | JP-E | JP-E | JP-E | | DIFE | | - |
| RW Series | MUZ-RW25VGHZ MUZ-RW35VGHZ | | | | | | | | | | | | | | | | | | + |
| | MUZ-RW50VGHZ | | | | | | | | | | | | | | | | | | + |
| L Series | MUZ-LN25VG2 | | | | | | | | | | | | | | | | | | |
| | MUZ-LN25VGHZ2 | | | | | | | | | | | | | | | | | | |
| | MUZ-LN35VG2 | | | | | | | | | | | | | | | | | | |
| | MUZ-LN35VGHZ2 | | | | | | | | | | | | | | | | | | |
| | MUZ-LN50VG2 | | | | | | | | | | | | | | | | | | |
| | MUZ-LN50VGHZ2 MUZ-LN60VG2 | | | | | | | | | | | | | | | | | | |
| FT Series | MUZ-FT25VGHZ | | | | | | | | | | | | | | | | | | + |
| T T Genes | MUZ-FT35VGHZ | | | | | | | | | | | | | | | | | | |
| | MUZ-FT50VGHZ | | | | | | | | | | | | | | | | | | |
| A Series | MUZ-AY15VG | | | | | | | | | | | | | | | | | | |
| | MUZ-AY20VG | | | | | | | | | | | | | | | | | | |
| | MUZ-AY25VG | | | | | | | | | | | | | | | | | | - |
| | MUZ-AY25VGH MUZ-AY35VG | | | | | | | | | | | | | | | | | | - |
| | MUZ-AY35VG MUZ-AY35VGH | | | | | | | | | | | | | | | | | | |
| | MUZ-AY42VG | | | | 1 | | | | | | | | | | | | | | 1 |
| | MUZ-AY42VGH | | | | | | | | | | | | | | | | | | |
| | MUZ-AY50VG | | | | | | | | | | | | | | | | | | |
| | MUZ-AY50VGH | | | | | | | | | | | | | | | | | | |
| | MUZ-AP60VG | | | | | | | | | | | | | | | | | | |
| E Sories | MUZ-AP71VG2 MUZ-EF25VG | | | | | | | - | | | | 1 | - | | | | - | | + |
| E Series | MUZ-EF25VG | | | | | | | | | | | | | | | | | | + |
| | MUZ-EF35VG | | | | | | | | | | | | | | | | | | |
| | MUZ-EF35VGH | | | | | | | | | | | | | | | | | | |
| | MUZ-EF42VG | | | | | | | | | | | | | | | | | | |
| | MUZ-EF50VG | | | | | | | | | | | | | | | | | | |
| BT Series | MUZ-BT20VG | | | | | | | | | | | | | | | | | | |
| | MUZ-BT25VG MUZ-BT35VG | | | | | | | | | | | | | | | | | | |
| | MUZ-BT50VG | | | | | | | | | | | | | | | | | | + |
| HR Series | MUZ-HR25VF | | | | | | | | | | | | | | | | | | |
| ≝ | MUZ-HR35VF | | | | | | | | | | | | | | | | | | |
| | MUZ-HR42VF | | | | | | | | | | | | | | | | | | |
| Σ | MUZ-HR50VF | | | | | | | | | | | | | | | | | | |
| | MUZ-HR60VF | | | | | | | | | | | | | | | | | | _ |
| DW Series | MUZ-HR71VF MUZ-DW25VF | | | | | | | | | | | | | | | | | | - |
| Dw Selles | MUZ-DW25VF MUZ-DW35VF | | | | | | | | | | | | | | | | | | - |
| | MUZ-DW50VF | | | | | | | | | | | | | | | | | | + |
| TP Series | MUY-TP35VF | | | | | | | | | | | | | | | | | | |
| | MUY-TP50VF | | | | | | | | | | | | | | | | | | |
| F Series | MUZ-FH25VE | | | | | | | | | | | | | | | | | | |
| | MUZ-FH25VEHZ | | | | | | | | | | | | | | | | | | |
| | MUZ-FH35VE MUZ-FH35VEHZ | | | | | | | | | | | | | | | | | | + |
| | MUZ-FH50VE | | | | | | | | | | | | | | | | | | |
| | MUZ-FH50VEHZ | | | | | | | | | | | | | | | | | | |
| S Series | MUZ-SF25VE | | | | | | | | | | | | | | | | | | Γ |
| | MUZ-SF25VEH | | | | | | | | | | | | | | | | | | |
| | MUZ-SF35VE | | | | | | | | | | | | | | | | | | + |
| | MUZ-SF35VEH MUZ-SF42VE | | | | | | | | | | | | | | | | | | |
| | MUZ-SF42VE MUZ-SF42VEH | | | | | | | | | | | | | | | | | | |
| | MUZ-SF50VE | | | | | | | | | | | | | | <u> </u> | | | | 1 |
| | MUZ-SF50VEH | | | | | | | | | | | | | | | | | | |
| G Series | MUZ-GF60VE | | | | | | | | | | | | | | | | | | |
| | MUZ-GF71VE | | | | | | | | | | | | | | | | | | |
| W Series | MUZ-WN25VA | | | | | | | | | | | | | | | | | | - |
| D Series | MUZ-WN35VA MUZ-DM25VA | | | | | | | | | | | | | | | | | | ┢ |
| Dioenes | MUZ-DM25VA MUZ-DM35VA | | | | | | | | | | | | | | | | | | |
| H Series | MUZ-HJ25VA | | | | | | | | | | | | | | | | | | T |
| | MUZ-HJ35VA | | | | | | | | | | | | | L | | | | | |
| | MUZ-HJ50VA | | | | | | | | | | | | | | | | | | |
| | MUZ-HJ60VA | | | | | | | | | | | | | | | | | | |
| | MUZ-HJ71VA | | | | | | | | | | | | | | | | | | |
| Compact floor | MUFZ-KW25VGHZ | | | | | | | | | | | | | | | | | | F |
| 1001 | MUFZ-KW35VGHZ MUFZ-KW50VGHZ | | | | | | | | | | | | | | | | | | ┢ |
| | MUFZ-KW50VGHZ MUFZ-KW60VGHZ | | | | | | | | | | | | | | | | | | - |

| | | | Air O | outlet G | àuide | | | | Air Pro | tection | Guide | Dra | ain Soc | ket | р | Freeze- reventio Heater Drain P | n | Centra | lized Dra | ain Pan | M-NET Adapter | M-N Conv | | Control/ Service Tool | Step Interface 1 PC board w/attach- ment kit | Insul fc Accun | ation or nulator | High Static Fan Motor |
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| MAC- 890 SG-E | MAC- 881 SG | | MAC- 856 SG | MAC- 886 SG-E | MAC- 883 SG | PAC- SJ07 SG-E | PAC- SG59 SG-E | PAC- SH96 SG-E | PAC- SJ06 AG-E | PAC- SH63 AG-E | PAC- SH95 AG-E | PAC- SJ08 DS-E | PAC- SG60 DS-E | PAC- SG61 DS-E | MAC- 643 BH-E | MAC- 644 BH-E | MAC- 646 BH-E | PAC- SG63 DP-E | PAC- SG64 DP-E | PAC- SH97 DP-E | PAC- IF01 MNT-E | PAC- SJ96 MA-E | PAC- SJ95 MA-E | PAC- SK52ST | PAC- IF012 B-E | MAC- 892 INS-E | MAC- 893 INS-E | PAC- SJ71 FM-E |
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Optional Parts List <Outdoor>

| \searrow | Option | [— | | Dis | tribut | ution Pi | ipe | | | | | | Heade | ler (Joi | nt) | Unit | | | | J | Joint I | Pipe | | | | | | | Liquid | Refrigera | ant Dryer | r - | | | 1 |
|----------------------|--|---------------------|----------------------|---------------------|----------------------|-----------------------------|----------------------|----------------------|---------------------------|------------------------|--|-----------------------------|-----------------------|---------------------|-----------|-------------|-------------------------|-----------|-------------|------------------------------|---------------------|--------------------------|-------------------------|----------------|--------------|---|--------------|----------------|------------------------|----------------------|------------------------|-------------------------|-------------------|-------------------|----|
| | | | | Twin):50) | | For T (33:3 | Triple 33:33) | Quad (25:25: | For druple 5:25:25) | of 2-l | In case of using -branc boxes | ng ich | Branch Pipe | | ader | ø15.88 > | B Unit ø : Pipe ø | | | nit ø6.3 > ipe ø9.5 | | | nit ø9.5 > pe ø12 | | | ø12.7 -> ø9.52 | | > | pipe | pipe | For pipe 2 ø12.7 | | ir Outl Guide | | |
| Outdoor Unit | | MSDD- 50TR -E | MSDD- 50TR2 -E | MSDD- 50WR -E | MSDD- 50WR2 -E | D- MSDT- 1 12 111R -E | MSDT- 111R3 -E | MSDF- 1111R -E | MSDF- 1111R2 -E | Fla MSDD- 50AR-F | are MSDD- 50AR2-E | Brazing MSDD E 50BR-1 | CMY- Y62- E G-E | CMY- Y64- G-E | | | | PAC-I | PAC- 493 | - PAC- F SG72 S RJ-E F | Fla PAC- SJ87 | lare - MAC- 7 A454 | PAC- SG73 | PAC- SJ88 | MAC- A455 | PAC- SK88 | MAC- A456 | - PAC 3 SK8 | - PAC- SG81 DR-E | PAC- SG82 DR-E | PAC- SG85 DR-E | - MAC- 5 890 SG-E | MAC- 881 SG | MAC- 882 SG | |
| SERIES | SUZ-M25VA | | | | | | \square | | | | | | | | | | hJ-c | hJ-c | | hJ-C | <u></u> | JP-C | HJ-C | HJ-C | JP-C | hj-c | JP-L | nu-L | <u> </u> | | | | • | | Γ |
| 32) | SUZ-M35VA | | | | | | | | | | | | | | | | | | | | | | | | ٠ | | | | | | | | • | | 4 |
| | SUZ-M50VA | | | \square | ⊢' | \vdash | <u> </u> | | | \vdash | — ' | <u> </u> | \vdash | <u> </u> | +-' | \vdash | <u> </u> | \vdash | ' | \vdash | ' | \vdash | \vdash | | +' | ' | +' | - | - | | | | | • | ł |
| | SUZ-M60VA SUZ-M71VA | | | | - | | | - | - | - | — | - | - | | - | | | | P | \square | | - | | — | | <u> </u> | P | | - | | | | | | P |
| Power | PUZ-ZM35VKA2 | \square | \vdash | \vdash | \square | \vdash | | \square | \vdash | \vdash | | ť | \square | | | \vdash | | | | \vdash | • | \vdash | \rightarrow | | | \square | F' | | | | | \square | - | | t |
| Inverter (R32) | PUZ-ZM50VKA2 | | | | \square | - | - | | | - | <u> </u> | \square | - | - | - | | — | - | \square | \square | • | | $ \frown $ | • | — | \square | \square | | • | | | | | | |
| (102) | PUZ-ZM60VHA2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ٠ | | | | | 47 |
| | PUZ-ZM71VHA2 | | ٠ | \square | Ē | | | Ē' | Ĺ | Ĺ | <u> </u> | Ĺ | Ĺ | Ē | Ĺ | Ē | Ļ | Ē | <u> </u> | <u>آ</u> | <u> </u> | Ē | Ē | • | Ļ | Ĺ_' | Ĺ | | | ٠ | | | | | Ļ. |
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| 1XZ SERIES 132) | MXZ-2F33VF4 MXZ-2F42VF4 | | | | | | | | | | P | P | P | | | P | | | P | \square | | | | | | P | P | | | | | | • | | f |
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| | MXZ-3F54VF4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ſ |
| | MXZ-3F68VF4 | | | | Ē | | | Ē | Ē | | Ē' | | Ē | Ē | Ē | Ē | • | Ē | • | Ē | | • | Ē | $\overline{-}$ | Ē | Ē | Ē | | L | | | | | | Ĺ |
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| PXZ SERIES | PXZ-4F75VG | | | | | | | - | \square | \square | | | | | - | \square | | | • | | | • | | | | | • | - | | | | | | | 4 |
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| | Branch Box | Reactor Box | | | | Different Dia | ameter Joint | | | |
|--------------------|----------------|-------------|-------------|-------------|--------------|---------------|--------------|---------------|--------------|--------------|
| | Outer Cover | Heactor Box | ø9.52>ø12.7 | ø12.7>ø9.52 | ø12.7>ø15.88 | ø6.35>ø9.52 | ø9.52>ø15.88 | ø15.88>ø19.05 | ø15.88>ø22.2 | ø15.88>ø25.4 |
| | PAC-AK350CVR-E | PAC-RB01BC | MAC-A454JP | MAC-A455JP | MAC-A456JP | PAC-493PI | PAC-SG76RJ-E | PAC-SG75RJ-E | PAC-SG71RJ-E | PAC-SG77RJ-E |
| PAC-MK34BC (Flare) | • | • | • | • | • | • | • | • | • | • |
| PAC-MK54BC (Flare) | • | • | • | • | • | • | • | • | • | • |

| | S&A kit | | | | | | Different Diamete | er Joint | | | | |
|------------------------|--------------|--------------|---------------|--------------|---------------|--------------|-------------------|--------------|---------------|--------------|---------------|--|
| | S&A KIT | ø6.35 | ->ø9.52 | ø9.52 | ·>ø12.7 | ø15.88>ø9.52 | ø15.88>ø12.7 | ø12.7 | ->ø9.52 | ø12.7: | >ø15.88 | |
| | PAC-SK60SA-E | PAC-SJ87RJ-E | PAC-SG77RJB-E | PAC-SJ88RJ-E | PAC-SG78RJB-E | PAC-SK82RJ-E | PAC-SK85RJ | PAC-SK88RJ-E | PAC-SG79RJB-E | PAC-SK89RJ-E | PAC-SG80RJB-E | |
| PAC-MMK40BC (Flare) | • | • | | • | | • | • | • | | • | | |
| PAC-MMK60BC (Flare) | • | • | | • | | • | • | • | | • | | |
| PAC-MMK60BCB (Brazing) | | | | | | | | | | | | |

| | | | Outle | | | | | Protec | | | | Drain S | | | | | (for | eventi Drain | Pan) | | | | Centra Drain | n Pan | | M-NET Adapter | Co | M-NET | ter | Control/ Service Tool | 1 PC I w/att men | face board ach- t kit | Insul fc Accur | or nlator | Kit | Motor | | HOSE HEATER |
|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-----------------|-------------|--------------|--------------|--------------|-----------------|--------------|--------------|------------------|--------------|--------------|--------------|-----------------------------|------------------------|--------------------------------|----------------------|--------------|--------------|--------------------|--------------------|----------------|
| MAC- 856 | MAC- 886 | MAC- 883 | PAC- SJ07 | PAC- SG59 | PAC- SH96 | PAC- SK22 | PAC- SJ06 | PAC- SH63 | PAC- SH95 | PAC- SK21 | PAC- SJ08 | PAC- SG60 | PAC- SG61 | PAC- SK27 | MAC- 643 | MAC- 644 | MAC- 646 | PAC- 645 | PAC- 646 | PAC- SJ10 | PAC- SJ20 | PAC- SG63 | PAC- SG64 | PAC- SH97 | PAC- SJ83 | PAC- IF01 | PAC- SK15 | PAC- SJ96 | PAC- SJ95 | PAC- SK52 | PAC- IF012 B-E | PAC-(S) IF013 | MAC- 892 | MAC- 893 | PAC- LV11 | PAC- SJ71 | MAC- 001 | MAC- 062 |
| SG | SG-E | SG | SG-E | SG-E | SG-E | SG-E | AG-E | AG-E | AG-E | AG-E | DS-E | DS-E | DS-E | DS-E | BH-E | BH-E | RH-F | BH-F | BH-F | вн-е | BH-F | DP-E | DP-E | DP-E | DP-E | MNI-E | IVIA-E | IVIA-E | IVIA-E | 51 | D-E | D-E | INO-E | INO-E | IVI-J | | IVIF-E | NA-E |
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| | | | | | • | * | *Plea | se co | nnect | the m | huffler | to the | e gas | pipin | g with | l in 3 r | neters | • from | the p | piping | conn | ection | port | of the | outd | oor u | l nit. Pl | ease | attac | l h this | if you | are c | oncer | ned a | bout i | refrige | | • noise. |

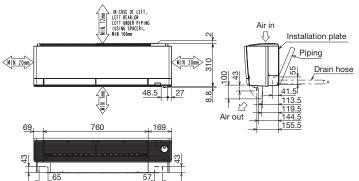
| ø9.52 | >ø15.88 | ø9.52>ø6.35 |
|--------------|---------------|--------------|
| PAC-SK90RJ-E | PAC-SG76RJB-E | PAC-SK91RJ-E |
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External Dimensions M SERIES



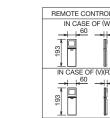


998 964 74.5 247





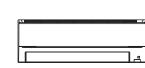
57 43 69



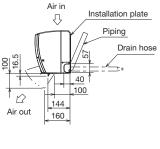
MSZ-FT25VG MSZ-FT35VG MSZ-FT50VG MSZ-FT25VGK MSZ-FT35VGK MSZ-FT50VGK

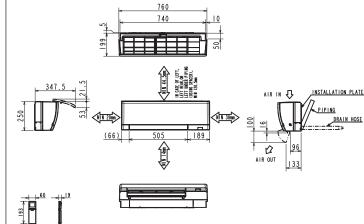
INDOOR UNIT

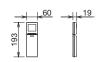






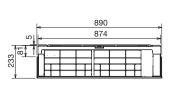


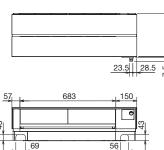


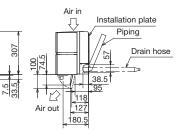


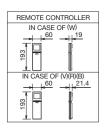
Unit : mm MSZ-LN25VG2(W)(V)(R)(B) MSZ-LN35VG2(W)(V)(R)(B) MSZ-LN50VG2(W)(V)(R)(B) MSZ-LN60VG2(W)(V)(R)(B)

INDOOR UNIT



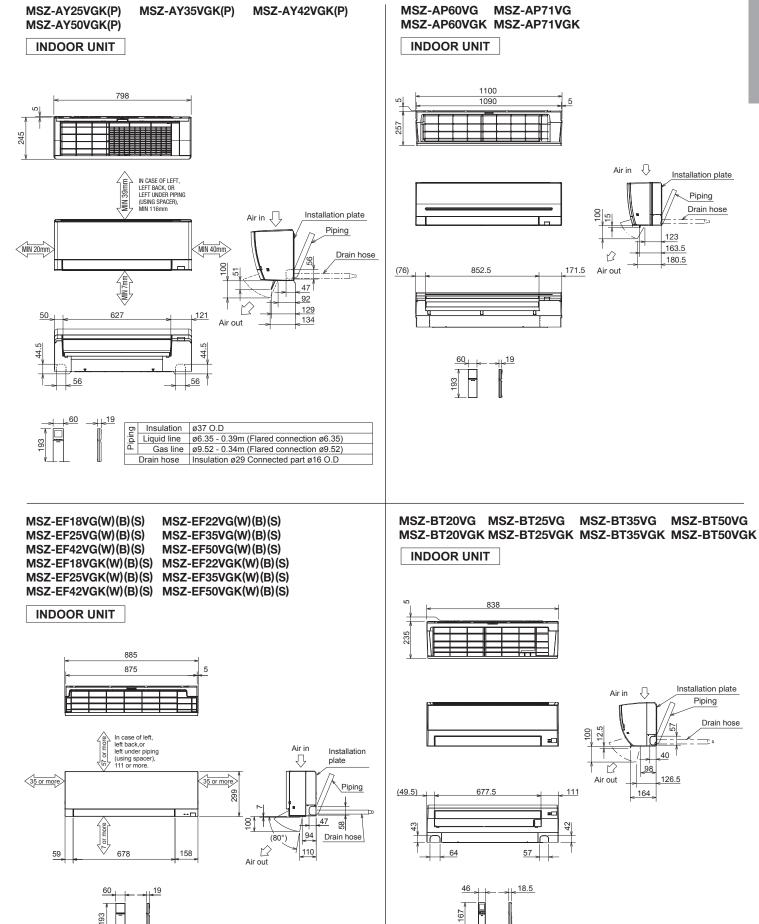






MSZ-AY15VGK(P) MSZ-AY20VGK(P) INDOOR UNIT

Unit : mm



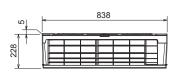
174

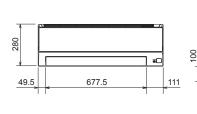
MSZ-HR25VF(K) MSZ-HR35VF(K) MSZ-HR42VF(K) MSZ-HR50VF(K)

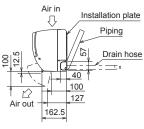


INDOOR UNIT



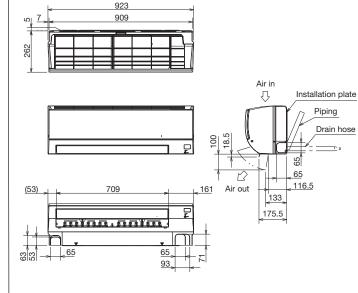






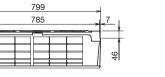


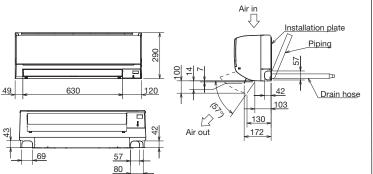


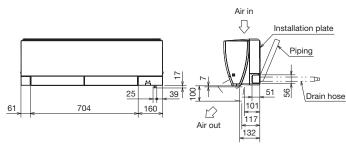




MSZ-FH25VE2 MSZ-FH35VE2 MSZ-FH50VE2 **INDOOR UNIT**







10



925

905

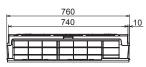
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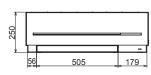
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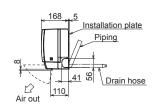
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Unit : mm

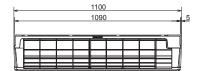
MSZ-SF15VA MSZ-SF20VA INDOOR UNIT

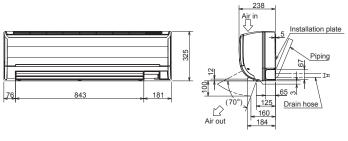






MSZ-GF60VE2 MSZ-GF71VE2 INDOOR UNIT

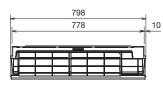


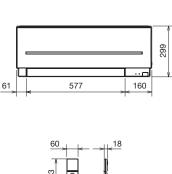


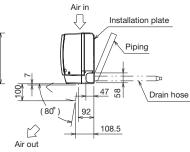


MSZ-SF25VE3 MSZ-SF35VE3 MSZ-SF42VE3 MSZ-SF50VE3

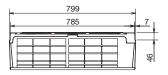


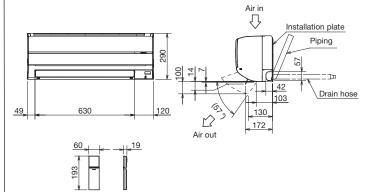


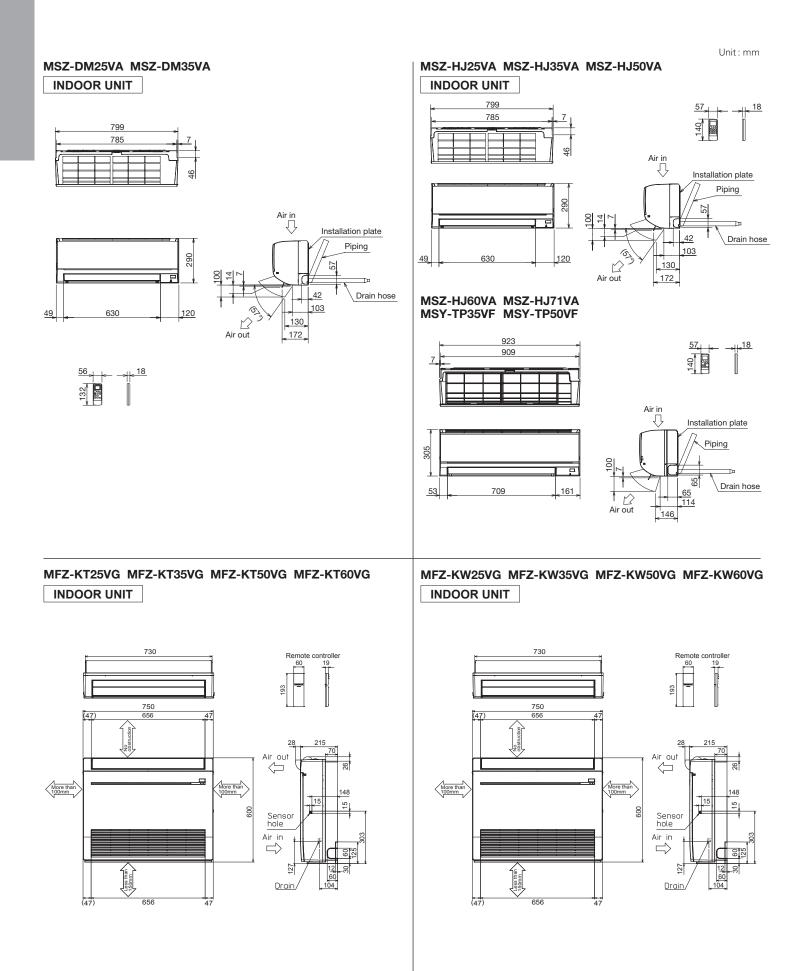




MSZ-WN25VA MSZ-WN35VA INDOOR UNIT

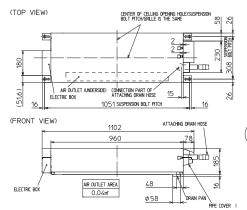




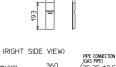


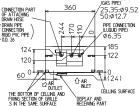
MLZ-KP25VF MLZ-KP35VF MLZ-KP50VF INDOOR UNIT

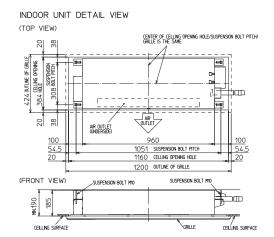
INDOOR UNIT OUTLINE DRAWING

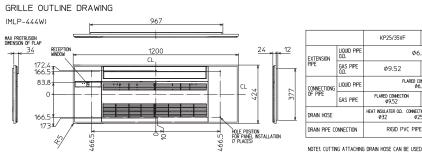


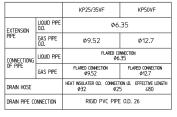


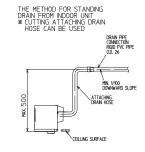






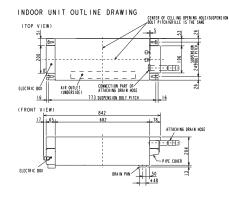




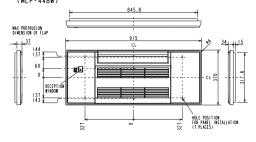


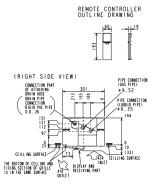
MLZ-KY20VG

INDOOR UNIT

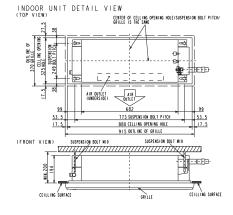


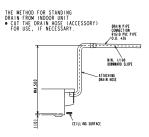
GRILLE OUTLINE DRAWING (MLP-448W)





| EXTENSION | LIQUID PIPE O.D. | ¢6.35 |
|--------------|---------------------|--|
| PIPE | GAS PIPE O.D. | \$9.52 |
| CONNECTIONG | LIQUID PIPE | FLARED CONNECTION \$6.35 |
| OF PIPE | GAS PIPE | FLARED CONNECTION \$9.52 |
| DRAIN HOS | | HEAT INSULATER O.D. CONNECTION I.D. EFFECTIVE LENGTH |
| DRAIN NUS | c | ¢32 ¢25 480 |
| DRAIN PIPE | CONNECTION | RIGID PVC PIPE O.D.¢26 |
| NOTEL. CUT 1 | THE DRAIN HO | SE (ACCESSORY) FOR USE, IF NECESSARY. |





| MUZ-LN25VG | MUZ-LN25VGHZ | | Unit : mm |
|--|------------------------------|---------------------------|--|
| MUZ-LN35VG MUZ-AY20VG | MUZ-LN35VGHZ | | |
| MUZ-AY25VG MUZ-AY35VG | MUZ-AY25VGH MUZ-AY35VGH | | |
| MUZ-AY42VG MUZ-FT25VGHZ | MUZ-AY42VGH | MUZ-HR42VF MUZ-HR50VF | CORDECK ONT |
| MUZ-FH25VE MUZ-FH25VEHZ | MUZ-FH35VE MUZ-FH35VEHZ | MUZ-DW50VF | 400 Drain hole e42 e42 |
| MUZ-EF25VG MUZ-EF35VG | MUZ-EF25VGH MUZ-EF35VGH | MUY-TP50VF | |
| MUZ-EF42VG MUZ-SF25VE | MUY-TP35VF MUZ-SF25VEH | MUZ-SF35VE MUZ-SF42VEH | 286 arrin and arrived and arrived arr |
| MUZ-SF35VEH MUZ-HJ50VA MUFZ-KJ25VE | MUZ-SF42VE | | Air out Oval holes 2-10X21 |
| | MUFZ-KJ35VE MUFZ-KJ35VEHZ | MUZ-BT50VG | 22.3 |
| | | | Handle Handle Service panel |
| | | | |
| | | | |

150

302.5

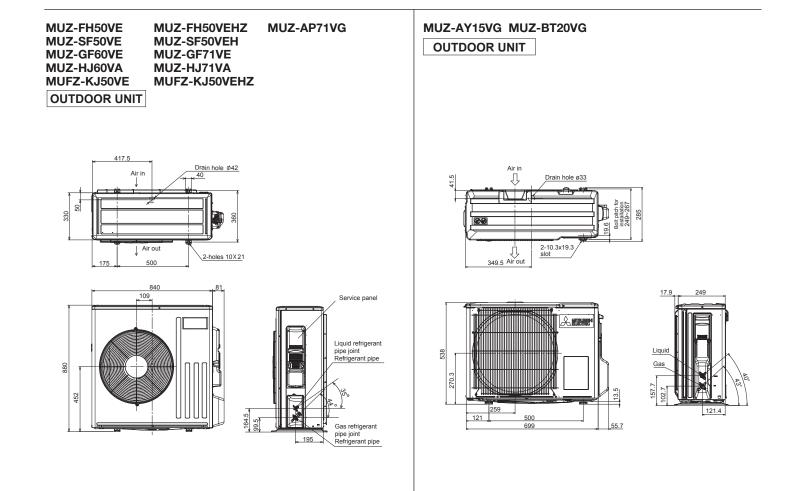
500 Bolt pitch for installation

Service port / 170.5

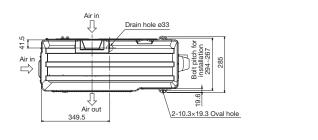
Gas refrigerant pipe joint

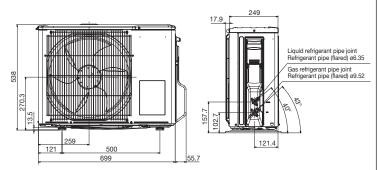
164.5

69

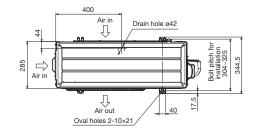


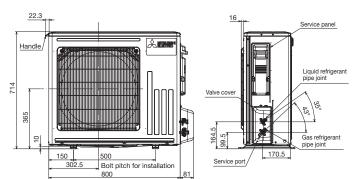
MUZ-WN25VA MUZ-WN35VA MUZ-HR25VF MUZ-BT25VG MUZ-DM25VA MUZ-DM35VA MUZ-HR35VF MUZ-BT35VG MUZ-HJ25VA MUZ-HJ35VA MUZ-DW25VF MUZ-DW35VF OUTDOOR UNIT



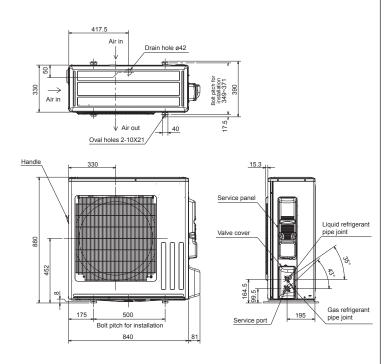


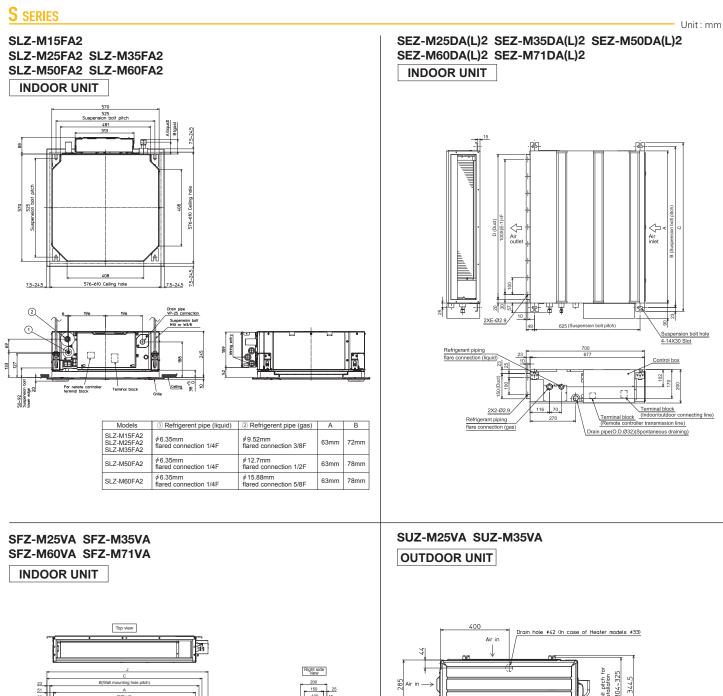
MUZ-RW25VGHZ MUZ-RW35VGHZ MUZ-LN50VG MUZ-FT35/50VGHZ MUZ-AY50VG MUZ-AY50VGH MUZ-AP60VG MUZ-EF50VG MUZ-HR60VF MUZ-HR71VF OUTDOOR UNIT Unit : mm

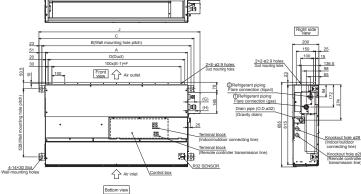


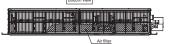


MUZ-RW50VGHZ MUZ-LN60VG2 MUZ-LN50VGHZ2 OUTDOOR UNIT

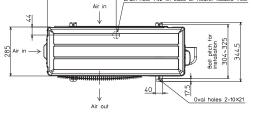


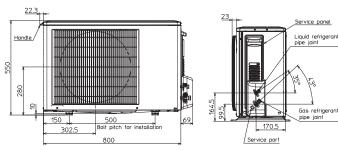






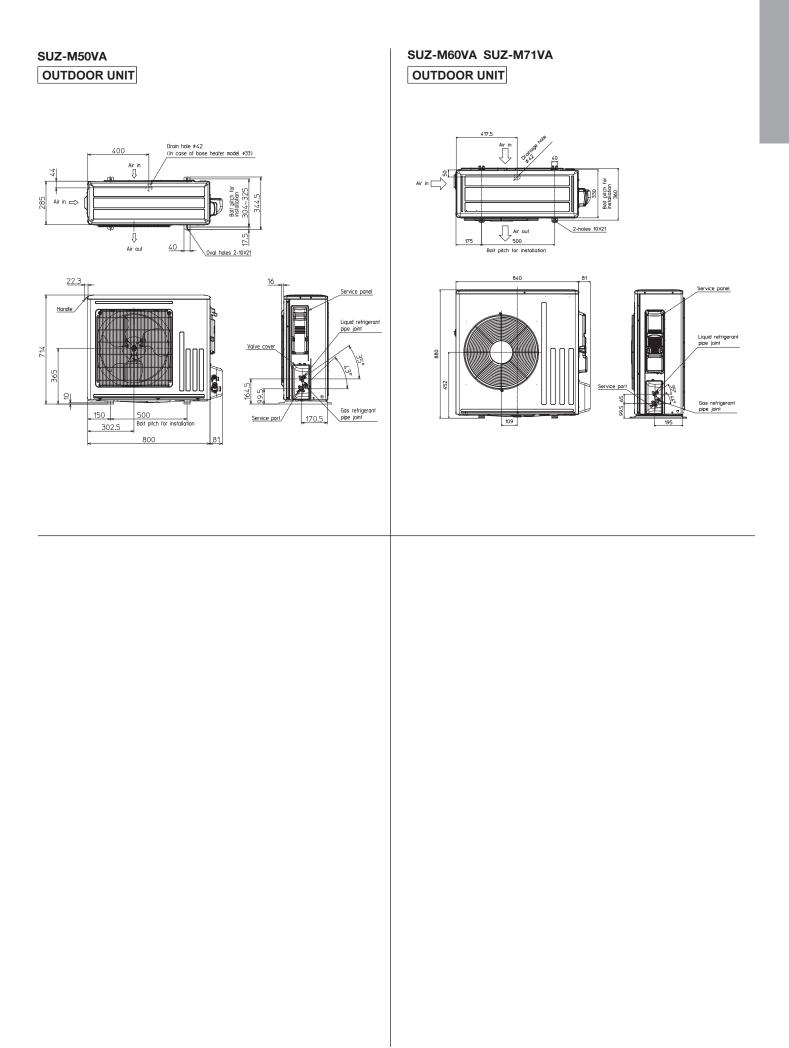
| MODEL | Α | В | С | D | Е | F | G | н | J | ①Gas pipe | ②Liquid pipe |
|-----------|------|------|------|------|----|------|----|----|------|-----------|--------------|
| SFZ-M25VA | 700 | 756 | 802 | 660 | 7 | 600 | 50 | 55 | 848 | ø9.52 | ø6.35 |
| SFZ-M35VA | 900 | 956 | 1002 | 860 | 9 | 800 | 50 | 55 | 1048 | ø9.52 | ø6.35 |
| SFZ-M50VA | 900 | 956 | 1002 | 860 | 9 | 800 | 50 | 61 | 1048 | ø12.7 | ø6.35 |
| SFZ-M60VA | 1100 | 1156 | 1202 | 1060 | 11 | 1000 | 50 | 66 | 1248 | ø15.88 | ø6.35 |
| SFZ-M71VA | 1100 | 1156 | 1202 | 1060 | 11 | 1000 | 55 | 66 | 1248 | ø15.88 | ø9.52 |



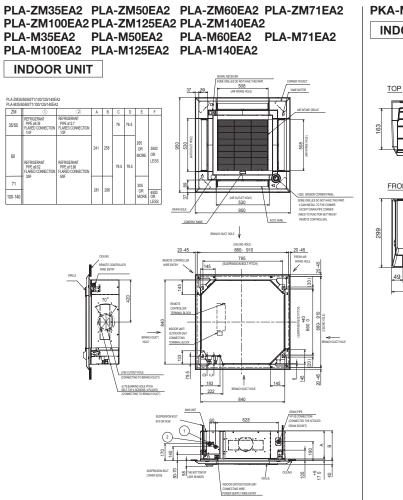


Gas ref pipe joi

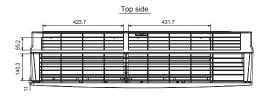
181

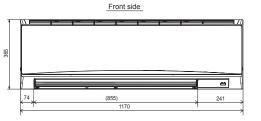


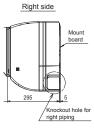
P SERIES



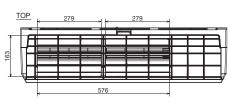
PKA-M60KA(L)2 PKA-M71KA(L)2 PKA-M100KA(L)2 INDOOR UNIT

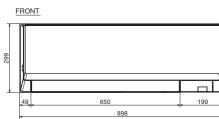


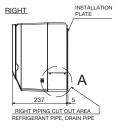




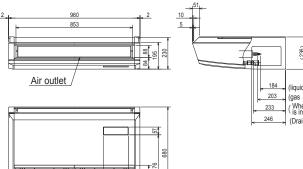
PKA-M35LA(L)2 PKA-M50LA(L)2 INDOOR UNIT

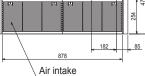


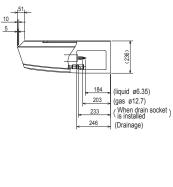




PCA-M35KA2 PCA-M50KA2 **INDOOR UNIT**







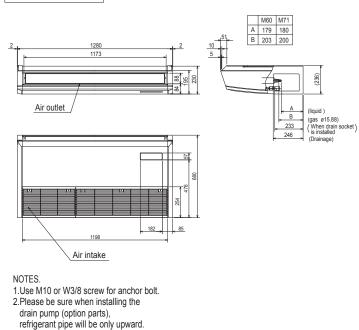
NOTES.

1.Use M10 or W3/8 screw for anchor bolt. 2.Please be sure when installing the drain pump (option parts), refrigerant pipe will be only upward.

183

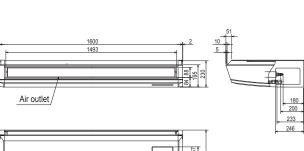
- Unit : mm

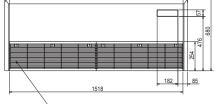
PCA-M60KA2 PCA-M71KA2



Use the current nuts meeting the pipe size of the outdoor unit. Available pipe size

PCA-M100KA2 PCA-M125KA2 PCA-M140KA2





Air intake

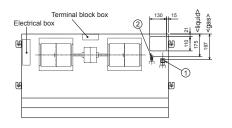
NOTES.

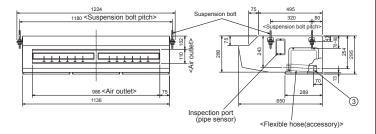
1.Use M10 or W3/8 screw for anchor bolt. 2.Please be sure when installing the

drain pump (option parts),

refrigerant pipe will be only upward.

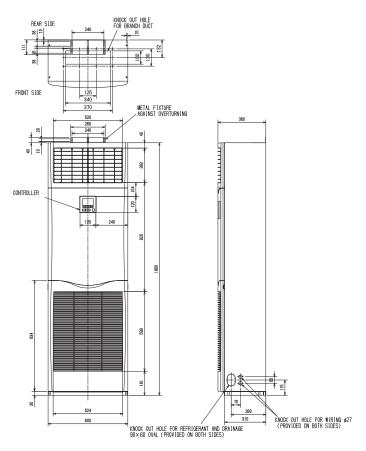
PCA-M71HA2 INDOOR UNIT





①Refrigerant pipe connection(gas pipe side/flared connection)
 ②Refrigerant pipe connection(liquid pipe side/flared connection)
 ③Flexible hose(accessory) —Drainage pipe connection

PSA-M71KA PSA-M100KA PSA-M125KA PSA-M140KA



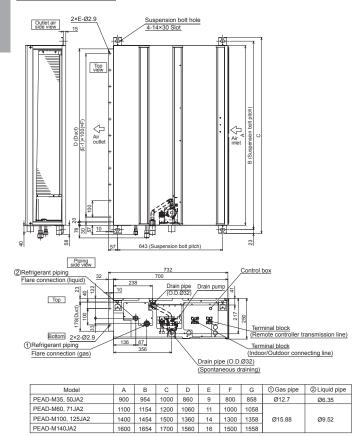
(236)

(liquid ø9.52)

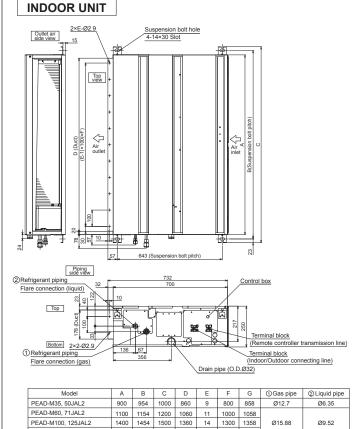
(gas ø15.88) (When drain socket) (Drainage)

PEAD-M35JA2 PEAD-M50JA2 PEAD-M60JA2 PEAD-M71JA2 PEAD-M100JA2 PEAD-M125JA2 PEAD-M140JA2





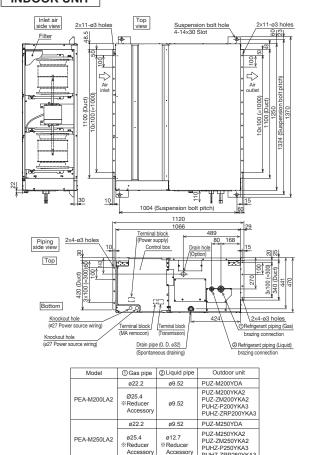
PEAD-M35JAL2 PEAD-M50JAL2 PEAD-M60JAL2 PEAD-M71JAL2 PEAD-M100JAL2 PEAD-M125JAL2 PEAD-M140JAL2



1600 1654 1700 1560 16 1500 1558

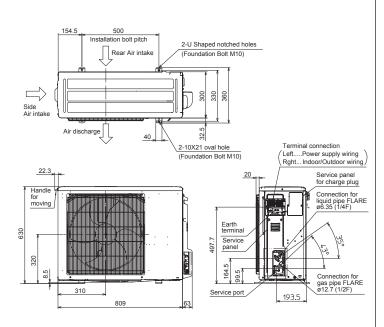
PEAD-M140JAL2

PEA-M200LA2 PEA-M250LA2 INDOOR UNIT



PUHZ-ZRP250YKA3

PUZ-ZM35VKA2 PUZ-ZM50VKA2 **OUTDOOR UNIT**



PUZ-ZM60VHA2 PUZ-ZM71VHA2 OUTDOOR UNIT

Rear Air Intake

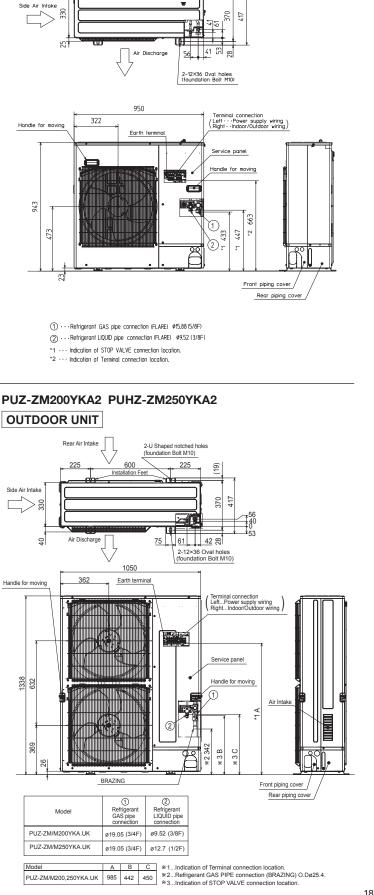
175

600

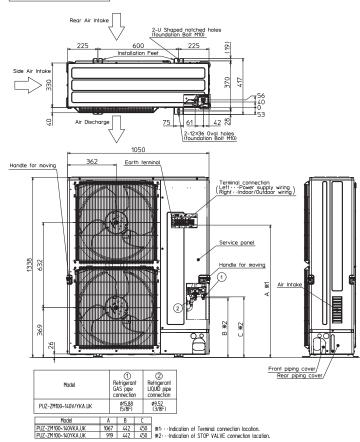
Installation Fee

2-U Shaped notched holes (foundation Bolt M10)

19)



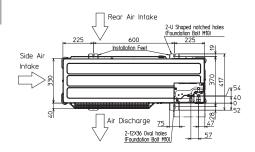
PUZ-ZM100VKA2 PUZ-ZM125VKA2 PUZ-ZM140VKA2 PUZ-ZM100YKA2 PUZ-ZM125YKA2 PUZ-ZM140YKA2 OUTDOOR UNIT

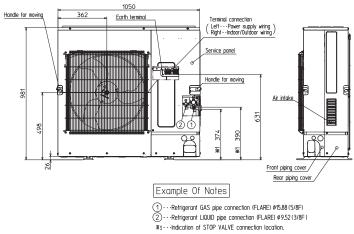


OUTDOOR UNIT

PUZ-M100VKA2 PUZ-M100YKA2 PUZ-M125VKA2 PUZ-M125YKA2 PUZ-M140VKA2 PUZ-M140YKA2

OUTDOOR UNIT





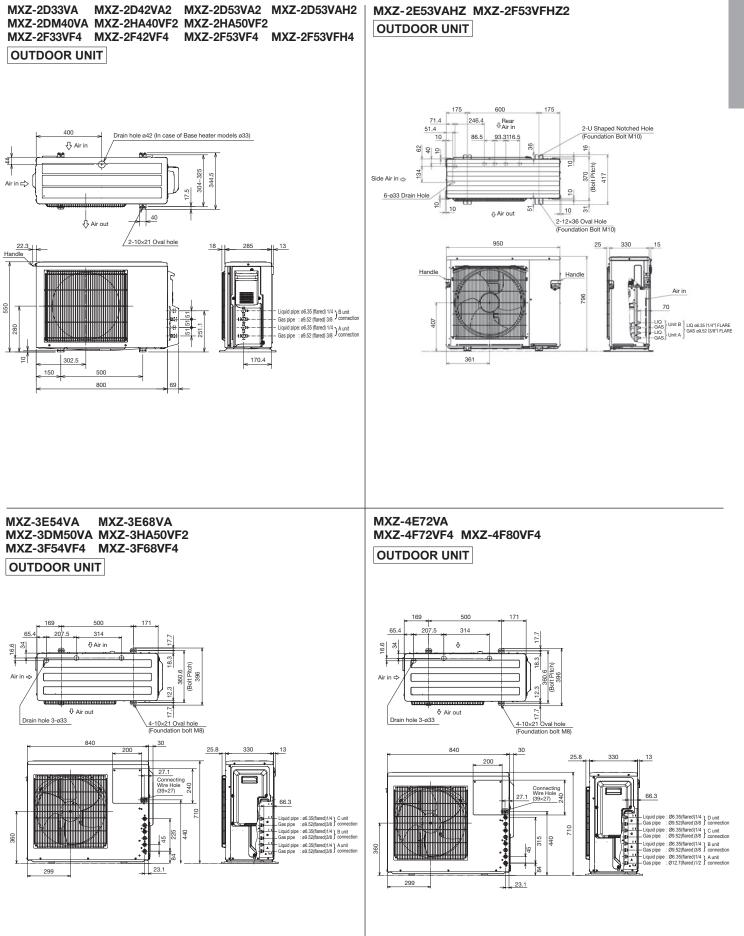
Unit : mm PUZ-M200YKA2 PUZ-M250YKA2 OUTDOOR UNIT Rear Air Intake 2-U Shaped notched holes (foundation Bolt M10) 600 225 225 (19) Insta n Feet Side Air Intake ~ 370 417 330 < <u>_____</u> N l Ð 75 61 42 🕅 Air Discharge 4 2-12×36 Oval holes (foundation Bolt M10) 1050 362 Earth terminal Handle for moving (Terminal connection Left...Power supply wiring Right...Indoor/Outdoor wiring) H, c Service panel 1338 632 Handle for moving D Air Intake 28 *1A KIIDIH 2

| 3 | • | <u> . /</u> | | |
|--------------------------------|--|---|---|------------------------|
| · · · | BRAZING | | | Front piping cover |
| Model | 1 Refrigerant GAS pipe connection | ② Refrigerant LIQUID pipe connection | | Rear piping cover |
| PUZ-ZM/M200YKA.UK | ø19.05 (3/4F) | ø9.52 (3/8F) | | |
| PUZ-ZM/M250YKA.UK | ø19.05 (3/4F) | ø12.7 (1/2F) | | |
| Model PUZ-ZM/M200,250YKA.UK | | *2Refri | ation of Terminal connectio gerant GAS PIPE connecti ation of STOP VALVE conr | on (BRAZING) O.Dø25.4. |

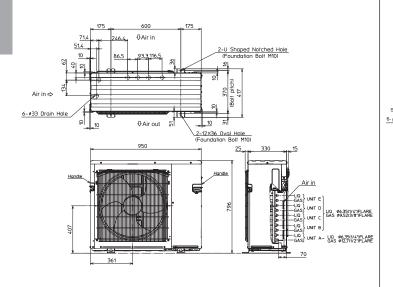
369

MXZ SERIES

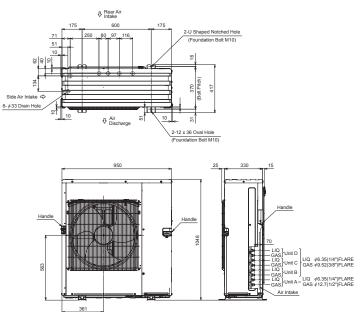
- Unit : mm



MXZ-4E83VA MXZ-5E102VA MXZ-4F83VF2 MXZ-5F102VF2 OUTDOOR UNIT

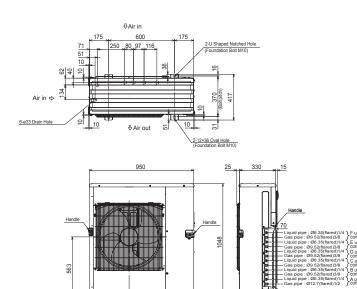


MXZ-4E83VAHZ MXZ-4F83VFHZ2



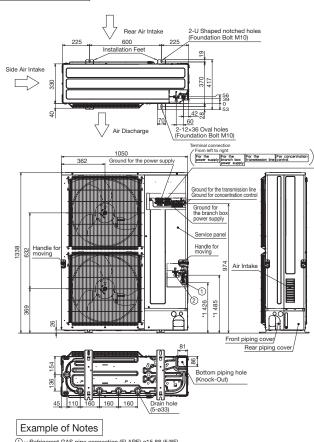
MXZ-6D122VA2 MXZ-6F120VF2

361



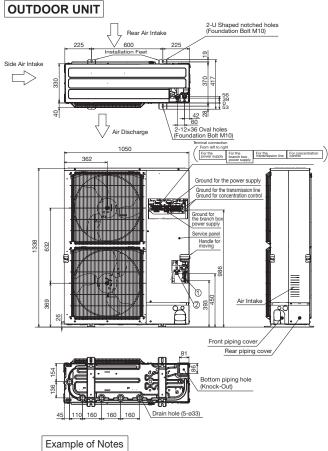
PUMY SERIES

PUMY-P112/125/140VKM6(-BS) OUTDOOR UNIT



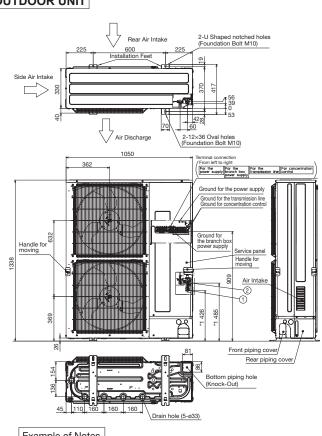
Overlage and the second s

PUMY-P200YKM3(-BS)



Ormedifierant GAS pipe connection (FLARE) e19.05 (3/4F)
 Ormedifierant LIQUID pipe connection (FLARE) e9.52 (3/8F)
 ormedication of STOP VALVE connection location.

PUMY-P112/125/140YKM5(-BS) OUTDOOR UNIT

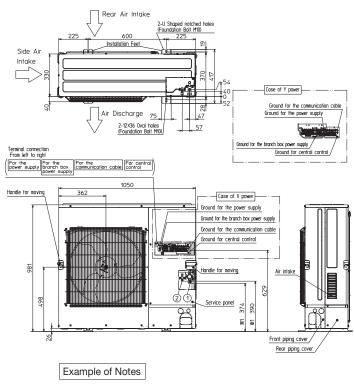


- Unit : mm

Example of Notes

- ...Refrigerant GAS pipe connection (FLARE) ø15.88 (5/8F)
 ...Refrigerant LIQUID pipe connection (FLARE) ø9.52 (3/8F)
 ...Indication of STOP VALVE connection location.

PUMY-SP112/125/140VKM2(-BS) PUMY-SP112/125/140YKM2(-BS) OUTDOOR UNIT



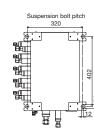
Construction (CLARE) @15.001.0767 /
 Construction (CLARE) @15.001.0767 /
 Construction (CLARE) @552(3/8F)
 **1...indication of STOP VALVE connection location.

190

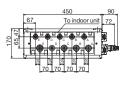
PAC-MK54BC

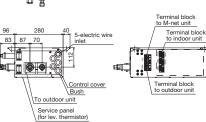
Suspension bolt: W3/W8 (M10)

Branch box



έ÷Τ

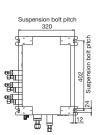






Suspension bolt: W3/W8 (M10)

Branch box



280

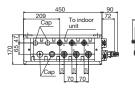
Control cover

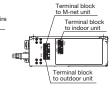
Bush

To outdoor unit

Service panel (for lev. thermistor)

83 87





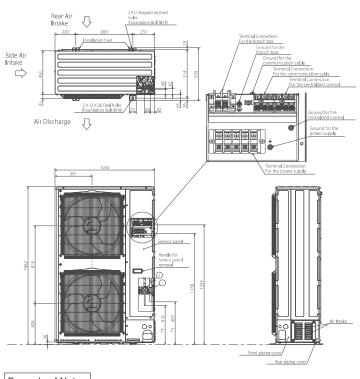
Suspension bolt : W3/8(M10)

| Refrigerant pip | Refrigerant pipe flared connection | | | | | | | | | | |
|-----------------|------------------------------------|-------|-------|--|--|-----------------|--|--|--|--|--|
| | A | В | С | | | To outdoor unit | | | | | |
| Liquid pipe | ø6.35 | ø6.35 | ø6.35 | | | ø9.52 | | | | | |
| Gas pipe | ø9.52 | ø9.52 | ø9.52 | | | ø15.88 | | | | | |

Suspension bolt : W3/8(M10) Pofrigorant pipo flarod

| Reingerant pipe hared connection | | | | | | | | | | |
|----------------------------------|------------|--------------------|----------------------------|------------------------------|---|--|--|--|--|--|
| A | В | С | D | E | To outdoor unit | | | | | |
| ø6.35 | ø6.35 | ø6.35 | ø6.35 | ø6.35 | ø9.52 | | | | | |
| ø9.52 | ø9.52 | ø9.52 | ø9.52 | ø12.7 | ø15.88 | | | | | |
| | A ø6.35 | A B ø6.35 ø6.35 | A B C ø6.35 ø6.35 ø6.35 | A B C D ø6.35 ø6.35 ø6.35 | A B C D E ø6.35 ø6.35 ø6.35 ø6.35 ø6.35 ø9.52 ø9.52 ø9.52 ø9.52 ø1.27 | | | | | |





Example of Notes

 O
 ••• Refrigerant GAS pipe connection Ø22.2(7/8F)

 O
 ••• Refrigerant LIQUID pipe connection Ø9.52(3/8F)

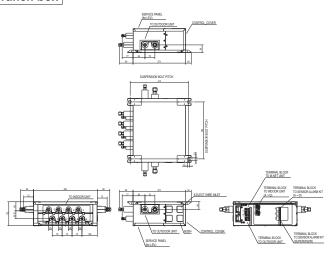
 *1•••• Indication of STOP VALVE and BALL VALVE connection location.

PAC-MMK40BCB

Suspension bolt: W3/W8 (M10)

Branch box

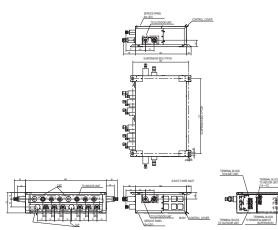
SUSPENSION BOLT: WORKIN(I) REFRIGERINT PIPE FLARED CONNECTION UDUID PIPE 66.33 66.35 66.35 66.35 GAS PIPE 66.32 69.52 69.52 69.52 61.588



PAC-MMK60BCB

Suspension bolt: W3/W8 (M10)

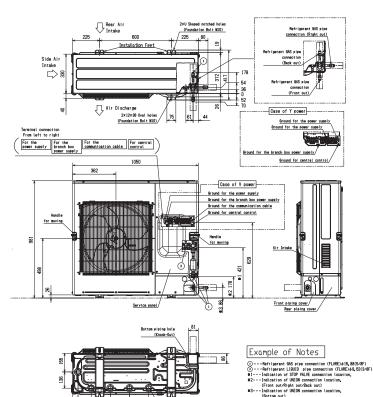
Branch box

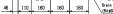




SUSPENSION BOLT - HOUGHING) REFRIGERANT PIPE PLARED CONNECTION LIQUD PIPE - 06.55 04

PUMY-SM112V(Y)KM(-BS) PUMY-SM125V(Y)KM(-BS) PUMY-SM140V(Y)KM(-BS) OUTDOOR UNIT





Piping Installation

M SERIES

Single type

| Series | Class | Maximum Piping Length (m) | Maximum Height Difference (m) | Maximum Number of Bends |
|----------------|-----------------------------|---------------------------|--------------------------------|-------------------------|
| Jelles | <outdoor unit=""></outdoor> | Total length (A) | Outdoor unit - Indoor unit (H) | Total number |
| MSZ-RW | 25 / 35 | 20 | 12 | 10 |
| | 50 | 30 | 15 | 10 |
| MSZ-L | 25 / 35 | 20 | 12 | 10 |
| | 50 | 20 | 12 | 10 |
| | 60 | 30 | 15 | 10 |
| MSZ-FT | 25 | 20 | 12 | 10 |
| | 35 / 50 | 30 | 15 | 10 |
| MSZ-A | 15 / 20 / 25 / 35 / 42 / 50 | 20 | 12 | 10 |
| | 60 / 71 | 30 | 15 | 10 |
| MSZ-EF | 25 / 35 / 42 | 20 | 12 | 10 |
| | 50 | 30 | 15 | 10 |
| MSZ-BT | 20 / 25 / 35 / 50 | 20 | 12 | 10 |
| MSZ-HR | 25 / 35 / 42 / 50 | 20 | 12 | 10 |
| | 60 / 71 | 30 | 15 | 10 |
| MSY-DW | 25 / 35 / 50 | 20 | 12 | 10 |
| MSY-TP | 35 / 50 | 20 | 12 | 10 |
| MSZ-F MFZ | 25 / 35 | 20 | 12 | 10 |
| VIFZ | 50 | 30 | 15 | 10 |
| MSZ-S | 25 / 35 / 42 | 20 | 12 | 10 |
| | 50 / 60 | 30 | 15 | 10 |
| MSZ-G | 60 / 71 | 30 | 15 | 10 |
| MSZ-W MSZ-D | 25 / 35 | 20 | 12 | 10 |
| MSZ-HJ | 25 / 35 / 50 | 20 | 12 | 10 |
| | 60 / 71 | 30 | 15 | 10 |

S SERIES & P SERIES Single type

| Series | Class Maximum Piping Length (m) | | Maximum Height Difference (m) | Maximum Number of Bends | |
|-----------------------------------|---------------------------------|------------------|--------------------------------|-------------------------|--|
| Genes | <outdoor unit=""></outdoor> | Total length (A) | Outdoor unit - Indoor unit (H) | Total number | |
| Power Inverter (PUZ-ZM) | 35 / 50 | 50 | 30 | 15 | |
| | 60 / 71 | 55 | 30 | 15 | |
| | 100 / 125 / 140 | 100 | 30 | 15 | |
| Standard Inverter (PUZ-M & SUZ-M) | 25 / 35 | 20 | 12 | 10 | |
| | 50 / 60 / 71 | 30 | 30 | 10 | |
| | 100 | 55 | 30 | 15 | |
| | 125 / 140 | 65 | 30 | 15 | |

Twin type

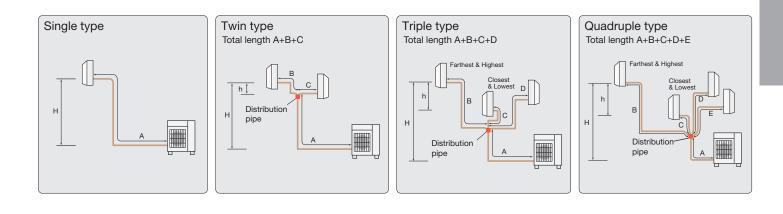
| | | Ma | ximum Piping Length | (m) | Maximum Height Difference (m) | | Maximum Number of Bends |
|---------------------------|--------------------------------------|-----------------------|--|---|------------------------------------|-----------------------------------|-------------------------|
| Series | Class <outdoor unit=""></outdoor> | Total length A+B+C | Pipe length difference from distribution pipe B-C | Indoor unit - Distribution pipe B | Outdoor unit - Indoor unit H | Indoor unit - Indoor unit h | Total number |
| Power Inverter (PUZ-ZM) | 71 | 55 | 8 | 20 | 30 | 1 | 15 |
| | 100 / 125 / 140 | 100 | 8 | 20 | 30 | 1 | 15 |
| | 200 / 250 | | | | | | |
| Standard Inverter (PUZ-M) | 100 | 55 | | | | 1 | |
| | 125 / 140 | 65 | 8 | 20 | 30 | | 15 |
| | 200 / 250 | | | | | | |

Triple type

| | | Ma | ximum Piping Length | (m) | Maximum Heigl | Maximum Number of Bends | |
|---------------------------|--------------------------------------|-------------------------|--|---|------------------------------------|-----------------------------------|--------------|
| Series | Class <outdoor unit=""></outdoor> | Total length A+B+C+D | Pipe length difference from distribution pipe B-C | Indoor unit - Distribution pipe B | Outdoor unit - Indoor unit H | Indoor unit - Indoor unit h | Total number |
| Power Inverter (PUZ-ZM) | 140 | 100 | 8 | 20 | 30 | 1 | 15 |
| | 200 / 250 | | | | | | |
| Standard Inverter (PUZ-M) | 140 | 65 | 8 | 20 | 30 | 1 | 15 |
| | 200 / 250 | | | | | | |

Quadruple type

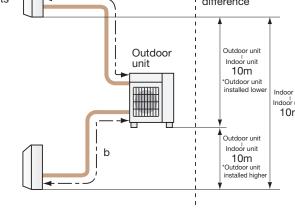
| | | Ma | ximum Piping Length | (m) | Maximum Heigh | Maximum Number of Bends | |
|---------------------------|--------------------------------------|---------------------------|--|---|------------------------------------|-----------------------------------|--------------|
| Series | Class <outdoor unit=""></outdoor> | Total length A+B+C+D+E | Pipe length difference from distribution pipe B-C | Indoor unit - Distribution pipe B | Outdoor unit - Indoor unit H | Indoor unit - Indoor unit h | Total number |
| Power Inverter (PUZ-ZM) | 200 / 250 | 100 | 8 | 30 | 30 | 1 | 15 |
| Standard Inverter (PUZ-M) | 200 / 250 | 70 | 8 | 22 | 30 | 1 | 15 |



MXZ SERIES

| MXZ-2D33VA, MXZ-2F33VF4 Maximum Piping Length | | Indoor aa | Maximum height |
|--|--------------------------------|-----------------|--|
| Outdoor unit - Indoor unit (a,b) | 15m | | |
| Total length (a+b) | 20m | | |
| Maximum Number of Benc | ls | Outdoor unit | Outdoor unit Indoor unit 10m |
| Outdoor unit - Indoor unit (a,b) | 15 | | *Outdoor unit installed lower Indoor unit |
| Total number (a+b) | 20 | | Indoor unit |
| * When connecting MFZ-KJ Series indoor unit, additional refrigerant is required. For deta Electric. | ils, please contact Mitsubishi | | Outdoor unit |

Regarding MXZ-2D33, the second unit should be a different type in the case of selecting one MFZ-KJ.



MXZ-2D42VA2, MXZ-2F42VF4

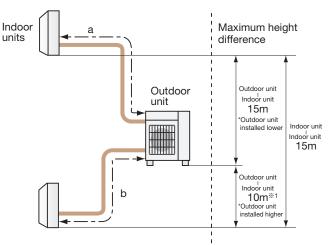
| Maximum Piping Length | |
|----------------------------------|-----|
| Outdoor unit - Indoor unit (a,b) | 20m |
| Total length (a+b) | 30m |

| Maximum Number of Bends | | | | | | | |
|----------------------------------|----|--|--|--|--|--|--|
| Outdoor unit - Indoor unit (a,b) | 20 | | | | | | |
| Total number (a+b) | 30 | | | | | | |

MXZ-2D53VA(H)2, MXZ-2E53VAHZ, MXZ-2F53VF(H)4, MXZ-2F53VFHZ2

| Maximum Piping Length | | |
|-----------------------|----------------------------------|-----|
| | Outdoor unit - Indoor unit (a,b) | 20m |
| | Total length (a+b) | 30m |

| Maximum Number of Bends | |
|----------------------------------|----|
| Outdoor unit - Indoor unit (a,b) | 20 |
| Total number (a+b) | 30 |



* When connecting MFZ-KJ Series indoor unit to MXZ-2D42VA2 or MXZ-2D53VA(H)2, additional refrigerant is required. For details, please contact Mitsubishi Electric.

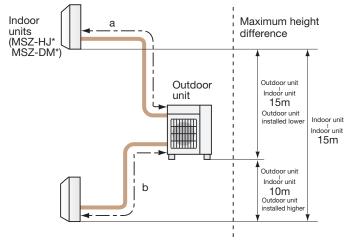
%1 in case of MXZ-2F53VFHZ2: 15m

MXZ series

MXZ-2DM40VA, MXZ-2HA40VF2, MXZ-2HA50VF2

| Maximum Piping Length | |
|----------------------------------|-----|
| Outdoor unit - Indoor unit (a,b) | 20m |
| Total length (a+b) | 30m |

| Maximum Number of Bends | |
|----------------------------------|----|
| Outdoor unit - Indoor unit (a,b) | 20 |
| Total number (a+b) | 30 |

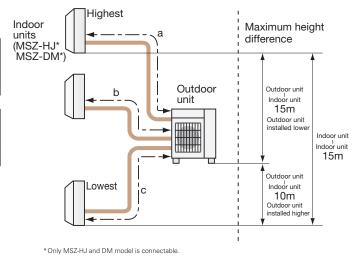


^{*} Only MSZ-HJ and DM model is connectable.

MXZ-3DM50VA, MXZ-3HA50VF2

| Maximum Piping Length | |
|------------------------------------|-----|
| Outdoor unit - Indoor unit (a,b,c) | 25m |
| Total length (a+b+c) | 50m |

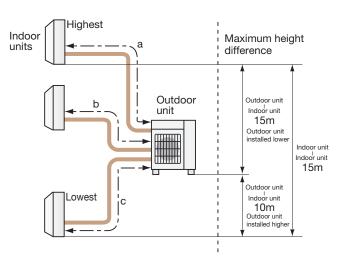
| Maximum Number of Bends | |
|------------------------------------|----|
| Outdoor unit - Indoor unit (a,b,c) | 25 |
| Total number (a+b+c) | 50 |



MXZ-3E54VA, MXZ-3F54VF4

| Maximum Piping Length | |
|--------------------------------------|-----|
| Outdoor unit - Indoor unit (a,b,c,d) | 25m |
| Total length (a+b+c+d) | 50m |

| Maximum Number of Bends | |
|--------------------------------------|----|
| Outdoor unit - Indoor unit (a,b,c,d) | 25 |
| Total number (a+b+c+d) | 50 |



MXZ-4E72VA, MXZ-3F68VF4, MXZ-4F72VF4, MXZ-4F80VF4

| Maximum Piping Length | |
|--------------------------------------|-----|
| Outdoor unit - Indoor unit (a,b,c,d) | 25m |
| Total length (a+b+c+d) | 60m |

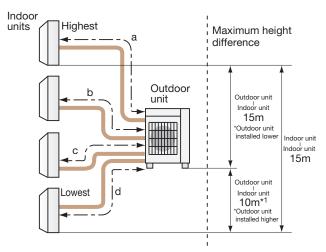
| Maximum Number of Bends | |
|--------------------------------------|----|
| Outdoor unit - Indoor unit (a,b,c,d) | 25 |
| Total number (a+b+c+d) | 60 |

* When connecting MFZ-KJ Series indoor unit, additional refrigerant is required. For details, please contact Mitsubishi Electric.

MXZ-4E83VA, MXZ-4E83VAHZ, MXZ-4F83VF2, MXZ-4F83VFHZ2

| Maximum Piping Length | |
|--------------------------------------|-----|
| Outdoor unit - Indoor unit (a,b,c,d) | 25m |
| Total length (a+b+c+d) | 70m |

| Maximum Number of Bends | |
|--------------------------------------|----|
| Outdoor unit - Indoor unit (a,b,c,d) | 25 |
| Total number (a+b+c+d) | 70 |

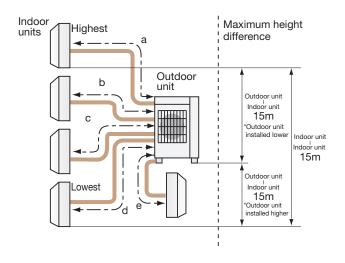


*1 in case of MXZ-4F83VF2 and MXZ-4F83VFHZ2: 15m

MXZ-5E102VA, MXZ-5F102VF2

| Maximum Piping Length | |
|--|--|
| Outdoor unit - Indoor unit (a,b,c,d,e) 25m | |
| Total length (a+b+c+d+e) 80m | |

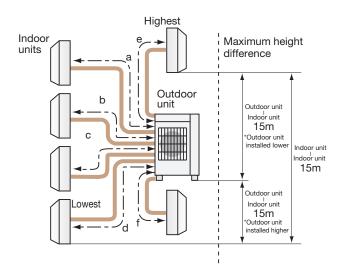
| Maximum Number of Bends | |
|--|----|
| Outdoor unit - Indoor unit (a,b,c,d,e) | 25 |
| Total number (a+b+c+d+e) | 80 |



MXZ-6D122VA2, MXZ-6F120VF2

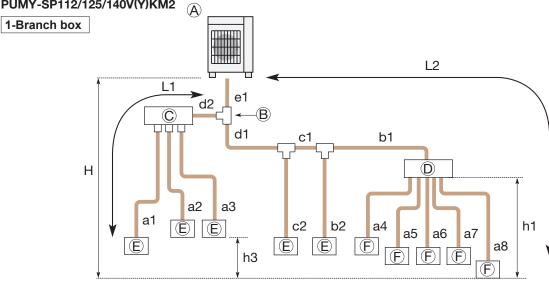
| Maximum Piping Length | |
|--|-----|
| Outdoor unit - Indoor unit (a,b,c,d,e,f) | 25m |
| Total length (a+b+c+d+e+f) 80m | |

| Maximum Number of Bends | |
|--|----|
| Outdoor unit - Indoor unit (a,b,c,d,e,f) | 25 |
| Total number (a+b+c+d+e+f) 80 | |



PUMY series

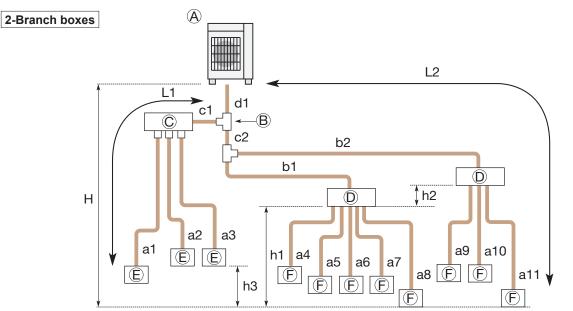
PUMY-SP112/125/140V(Y)KM2



Outdoor Unit
 First joint (CMY, MSDD)
 Branch header (CMY)
 Branch box (PAC-MK•BC(B))
 CITY MULTI Indoor unit
 M/S/P series Indoor unit

| Permissible length | Total piping length | e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8≦ 120 m |
|----------------------|---|--|
| (One-way) | Farthest piping length (L1) | e1 + d2 + a1 or e1 + d1 + c1 + b2≦70 m |
| | Farthest piping length. Via Branch box (L2) | e1 + d1 + c1 + b1 + a8≦ 80 m |
| | Piping length between outdoor unit and branch box | e1 + d1 + c1 + b1≦ 55 m |
| | Farthest piping length from the first joint | d1 + c1 + b1 or d1 + c1 + b2≦ 50 m |
| | Farthest piping length after branch box | a8 ≦ 25 m |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 ≦ 95 m |
| Permissible height | In indeer/outdoor costion (1)*1 | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) |
| difference (One-way) | In indoor/outdoor section (H)*1 | $H \leq 30$ m (In case of outdoor unit is set lower than indoor unit) |
| | In branch box/indoor unit section (h1) | h1 ≦ 15 m |
| | In each indoor unit (h3) | h3≦12 m |
| Number of bends | | e1 + d2 + a1 , $ e1 + d2 + a2 $, $ e1 + d2 + a3 $, $ e1 + d1 + c2 $, $ e1 + d1 + c1 + b2 $, e1 + d1 + c1 + b1 + a4 , $ e1 + d1 + c1 + b1 + a5 $, $ e1 + d1 + c1 + b1 + a6 $, $ e1 + d1 + c1 + b1 + a7 $, $ e1 + d1 + c1 + b1 + a8 \le 15$ |

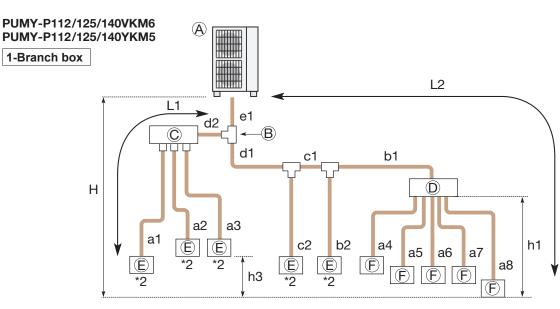
*1: Branch box should be placed within the level between the outdoor unit and indoor units.



- Outdoor Unit
 B First joint (CMY, MSDD)
 G Branch header (CMY)
 Branch box (PAC-MK•BC(B))
 CITY MULTI Indoor unit
 M/S/P series Indoor unit

| Permissible length | Total piping length | d1 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 120 m |
|---|---|--|
| (One-way) | Farthest piping length (L1) | d1 + c1 + a1 ≦ 70 m |
| | Farthest piping length. Via Branch box (L2) | d1 + c2 + b2 + a11≦ 80 m |
| | Piping length between outdoor unit and branch boxes | d1 + c2 + b1 + b2≦ 55 m |
| | Farthest piping length from the first joint | c2 + b2 or c1 + a1≦ 50 m |
| | Farthest piping length after branch box | a11 ≦ 25 m |
| | Farthest branch box from outdoor unit | d1 + c2 + b2≦ 55 m |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 95 m |
| Permissible height difference (One-way) | In indoor/outdoor section (H)*1 | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) |
| | | H ≦ 30 m (In case of outdoor unit is set lower than indoor unit) |
| | In branch box/indoor unit section (h1) | h1 + h2 ≦ 15 m |
| | In each branch unit (h2) | h2 ≦ 15 m |
| | In each indoor unit (h3) | h3 ≦ 12 m |
| Number of bends | | d1 + c1 + a1 , d1 + c1 + a2 , d1 + c1 + a3 , d1 + c2 + b1 + a4 , d1 + c2 + b1 + a5 , d1 + c2 + b1 + a7 , d1 + c2 + b1 + a7 , d1 + c2 + b1 + a8 , d1 + c2 + b2 + a9 , d1 + c2 + b2 + a10 , d1 + c2 + b1 + a8 , d1 + c2 + |

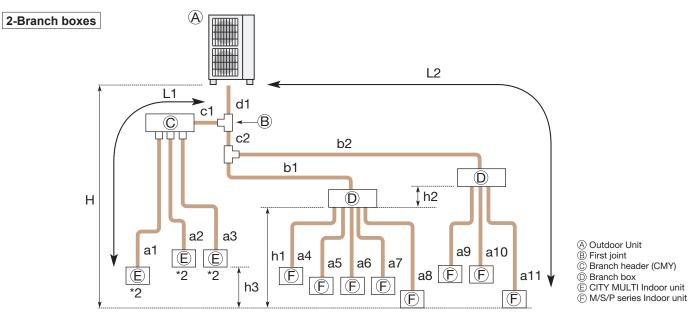
*1: Branch box should be placed within the level between the outdoor unit and indoor units.



A Outdoor Unit B First joint
B Fanch header (CMY)
B Fanch box
CITY MULTI Indoor unit E M/S/P series Indoor unit

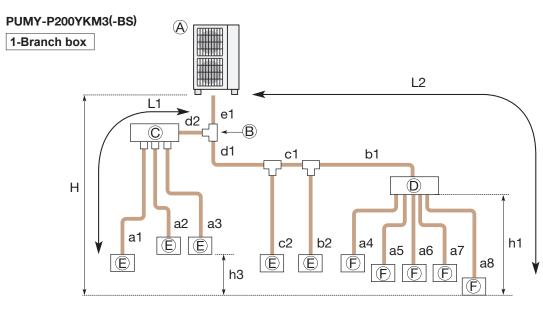
| Permissible length | Total piping length | e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8≦ 300 m |
|----------------------|---|---|
| (One-way) | Farthest piping length (L1) | e1 + d2 + a1 or e1 + d1 + c1 + b2≦85 m |
| | Farthest piping length. Via Branch box (L2) | e1 + d1 + c1 + b1 + a8≦ 80 m |
| | Piping length between outdoor unit and branch box | e1 + d1 + c1 + b1≦ 55 m |
| | Farthest piping length from the first joint | d1 + c1 + b1 or d1 + c1 + b2≦ 30 m |
| | Farthest piping length after branch box | a8 ≦ 25 m |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 ≦ 95 m |
| Permissible height | la indens/autolesa antina (LDV) | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) |
| difference (One-way) | In indoor/outdoor section (H)*1 | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) |
| | In branch box/indoor unit section (h1) | h1 ≦ 15 m |
| | In each indoor unit (h3) | h3≦12 m |
| Number of bends | | e1 + d2 + a1 , $ e1 + d2 + a2 $, $ e1 + d2 + a3 $, $ e1 + d1 + c2 $, $ e1 + d1 + c1 + b2 $, |
| | | e1 + d1 + c1 + b1 + a4 , e1 + d1 + c1 + b1 + a5 , e1 + d1 + c1 + b1 + a6 , |
| | | e1 + d1 + c1 + b1 + a7 , e1 + d1 + c1 + b1 + a8 ≦ 15 |

*1: Branch box should be placed within the level between the outdoor unit and indoor units. *2: PKFY-P•VBM, PKFY-P10-32VLM, PFFY-P•VKM, PFFY-P•VCM, and PFFY-P•VL* type indoor units cannot be used in a mixed system.



| Permissible length | Total piping length | d1 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 240 m |
|-------------------------------|---|---|
| (One-way) | Farthest piping length (L1) | d1 + c1 + a1 ≦ 85 m |
| | Farthest piping length. Via Branch box (L2) | d1 + c2 + b2 + a11≦ 80 m |
| | Piping length between outdoor unit and branch boxes | d1 + c2 + b1 + b2≦ 55 m |
| | Farthest piping length from the first joint | c2 + b2 or c1 + a1≦ 30 m |
| | Farthest piping length after branch box | a11 ≦ 25 m |
| | Farthest branch box from outdoor unit | d1 + c2 + b2≦ 55 m |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 95 m |
| Permissible height difference | In indoor/outdoor section (H)*1 | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) |
| | | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) |
| (One-way) | In branch box/indoor unit section (h1) | h1 + h2 ≦ 15 m |
| | In each branch unit (h2) | h2 ≦ 15 m |
| | In each indoor unit (h3) | h3 ≦ 12 m |
| Number of bends | | $\begin{array}{ c c c c c c c c c c c c c c c c c c c$ |

*1: Branch box should be placed within the level between the outdoor unit and indoor units. *2: PKFY-P•VBM, PKFY-P10-32VLM, PFFY-P•VKM, PFFY-P•VCM, and PFFY-P·VL* type indoor units cannot be used in a mixed system.

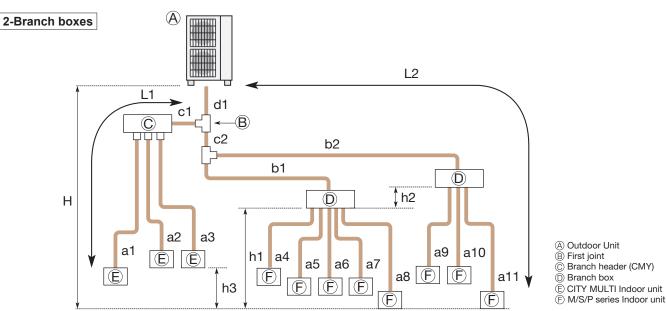


A Outdoor Unit
B First joint
B Branch header (CMY) D Branch box

- CITY MULTI Indoor unit
- E M/S/P series Indoor unit

| Permissible length | Total piping length | e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8≦ 150 m |
|----------------------|---|---|
| (One-way) | Farthest piping length (L1) | e1 + d2 + a1 or e1 + d1 + c1 + b2≦80 m |
| | Farthest piping length. Via Branch box (L2) | e1 + d1 + c1 + b1 + a8≦ 80 m |
| | Piping length between outdoor unit and branch box | e1 + d1 + c1 + b1≦ 55 m |
| | Farthest piping length from the first joint | d1 + c1 + b1 or d1 + c1 + b2≦ 30 m |
| | Farthest piping length after branch box | a8 ≦ 25 m |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 ≦ 95 m |
| Permissible height | | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) |
| difference (One-way) | In indoor/outdoor section (H)*1 | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) |
| | In branch box/indoor unit section (h1) | h1 ≦ 15 m |
| | In each indoor unit (h3) | h3≦12 m |
| Number of bends | | e1 + d2 + a1 , $ e1 + d2 + a2 $, $ e1 + d2 + a3 $, $ e1 + d1 + c2 $, $ e1 + d1 + c1 + b2 $, |
| | | e1 + d1 + c1 + b1 + a4 , $ e1 + d1 + c1 + b1 + a5 $, $ e1 + d1 + c1 + b1 + a6 $, |
| | | e1 + d1 + c1 + b1 + a7 , e1 + d1 + c1 + b1 + a8 ≦ 15 |

*1: Branch box should be placed within the level between the outdoor unit and indoor units.

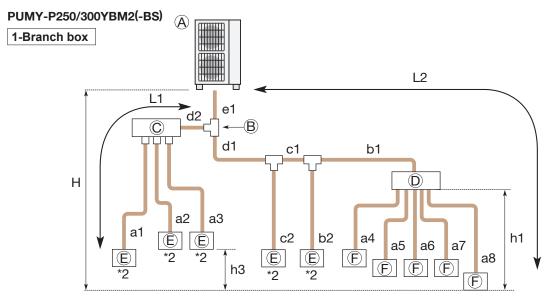


| 9 | Outdoor Onit | |
|---|---------------|----|
| B | First joint | |
| 6 | Branch header | ((|

CITY MULTI Indoor unit

| Permissible length | Total piping length | d1 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 150 m |
|----------------------------------|---|---|
| (One-way) | Farthest piping length (L1) | d1 + c1 + a1 ≦ 80 m |
| | Farthest piping length. Via Branch box (L2) | d1 + c2 + b2 + a11≦ 80 m |
| | Piping length between outdoor unit and branch boxes | d1 + c2 + b1 + b2≦ 55 m |
| | Farthest piping length from the first joint | c2 + b2 or c1 + a1≦ 30 m |
| | Farthest piping length after branch box | a11 ≦ 25 m |
| | Farthest branch box from outdoor unit | d1 + c2 + b2≦ 55 m |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 95 m |
| Permissible height difference | In indoor/outdoor section (H)*1 | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) |
| | | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) |
| (One-way) | In branch box/indoor unit section (h1) | h1 + h2 ≦ 15 m |
| | In each branch unit (h2) | h2 ≦ 15 m |
| | In each indoor unit (h3) | h3 ≦ 12 m |
| Number of bends | | $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ |

*1: Branch box should be placed within the level between the outdoor unit and indoor units.

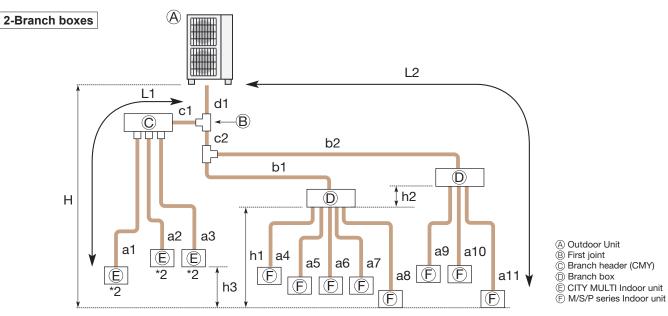


(A) Outdoor Unit B First joint © Branch header (CMY) D Branch box

- © CITY MULTI Indoor unit © M/S/P series Indoor unit

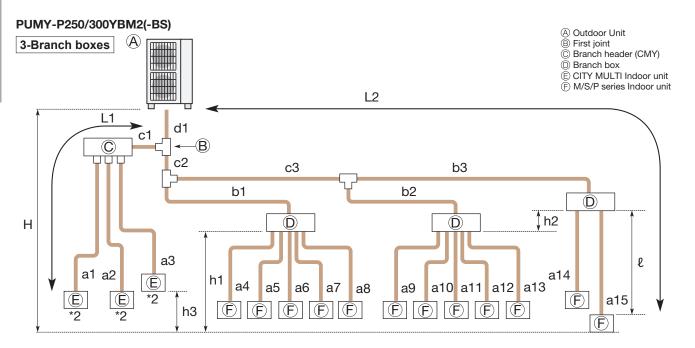
| Permissible length | Total piping length | e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8≦ 310 m |
|----------------------|---|---|
| (One-way) | Farthest piping length (L1) | e1 + d2 + a1 or e1 + d1 + c1 + b2≦85 m |
| | Farthest piping length. Via Branch box (L2) | e1 + d1 + c1 + b1 + a8≦ 80 m |
| | Piping length between outdoor unit and branch box | e1 + d1 + c1 + b1≦ 80 m |
| | Farthest piping length from the first joint | d1 + c1 + b1 or d1 + c1 + b2≦ 30 m |
| | Farthest piping length after branch box | a8 ≦ 25 m |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 ≦ 145 m |
| Permissible height | | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) |
| difference (One-way) | In indoor/outdoor section (H)*1 | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) |
| | In branch box/indoor unit section (h1) | h1≦15 m |
| | In each indoor unit (h3) | h3≦12 m |
| Number of bends | | e1 + d2 + a1 , $ e1 + d2 + a2 $, $ e1 + d2 + a3 $, $ e1 + d1 + c2 $, $ e1 + d1 + c1 + b2 $, |
| | | e1 + d1 + c1 + b1 + a4 , $ e1 + d1 + c1 + b1 + a5 $, $ e1 + d1 + c1 + b1 + a6 $, |
| | | $ e1 + d1 + c1 + b1 + a7 $, $ e1 + d1 + c1 + b1 + a8 \le 23$ |

*1: Branch box should be placed within the level between the outdoor unit and indoor units.
2: PKFY-P•VBM, PKFY-P10-32VLM, PFFY-P•VKM, PFFY-P•VCM, and PFFY-P•VL type indoor units cannot be used in a mixed system.



| Permissible length | Total piping length | d1 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 310 m | | | | |
|--------------------|---|---|--|--|--|--|
| (One-way) | Farthest piping length (L1) | d1 + c1 + a1≦ 85 m | | | | |
| | Farthest piping length. Via Branch box (L2) | d1 + c2 + b2 + a11≦ 80 m | | | | |
| | Piping length between outdoor unit and branch boxes | d1 + c2 + b1 + b2≦ 95 m | | | | |
| | Farthest piping length from the first joint | c2 + b2 or c1 + a1≦ 30 m | | | | |
| | Farthest piping length after branch box | a11 ≦ 25 m | | | | |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 145 m | | | | |
| Permissible height | In indoor/outdoor section (H)*1 | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) | | | | |
| difference | | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) | | | | |
| (One-way) | In branch box/indoor unit section | h1 + h2 ≦ 15 m | | | | |
| | In each branch unit (h2) | h2 ≦ 15 m | | | | |
| | In each indoor unit (h3) | h3 ≦ 12 m | | | | |
| Number of bends | | $ \begin{array}{ c c c c c c c c c c c c c$ | | | | |

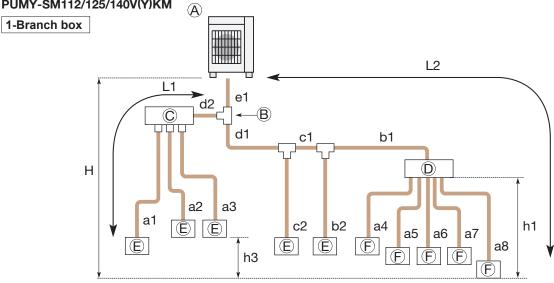
*1: Branch box should be placed within the level between the outdoor unit and indoor units *2: PKFY-P•VBM, PKFY-P10-32VLM, PFFY-P•VKM, PFFY-P•VCM, and PFFY-P•VL* type indoor units cannot be used in a mixed system..



| Permissible length (One-way) | Total piping length | d1 + c1 + c2 + c3 + b1 + b2 + b3 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 + a12 + a13 + a14 + a15 \leq 310 m | | | | |
|---------------------------------|---|--|--|--|--|--|
| | Farthest piping length (L1) | d1 + c1 + a1≦ 85 m | | | | |
| | Farthest piping length. Via Branch box (L2) | d1 + c2 + c3 + b3 + a15≦ 80 m | | | | |
| | Piping length between outdoor unit and branch boxes | d1 + c2 + c3 + b1 + b2 + b3≦ 95 m | | | | |
| | Farthest piping length from the first joint | c2 + c3 + b3 or c1 + a1≦ 30 m | | | | |
| | Farthest piping length after branch box (ℓ) | a15 ≦ 25 m | | | | |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 + a12 + a13 + a14 + a15 ≦ 145 m | | | | |
| Permissible height | In indoor/outdoor section (H)*1 | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) | | | | |
| difference | In Indoor/outdoor section (H) | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) | | | | |
| (One-way) | In branch box/indoor unit section | h1 + h2 ≦ 15 m | | | | |
| | In each branch unit (h2) | h2 ≦ 15 m | | | | |
| | In each indoor unit (h3) | h3 ≦ 12 m | | | | |
| Number of bends | | $\begin{array}{l} d1+c1+a1 , d1+c1+a2 , d1+c1+a3 ,\\ d1+c2+b1+a4 , d1+c2+b1+a5 , d1+c2+b1+a6 , d1+c2+b1+a7 ,\\ d1+c2+b1+a8 , d1+c2+c3+b2+a9 , d1+c2+c3+b2+a10 ,\\ d1+c2+c3+b2+a11 , d1+c2+c3+b2+a12 , d1+c2+c3+b2+a13 ,\\ d1+c2+c3+b3+a14 , d1+c2+c3+b3+a15 \leq 23 \end{array}$ | | | | |

*1: Branch box should be placed within the level between the outdoor unit and indoor units. *2: PKFY-P•VBM, PKFY-P10-32VLM, PFFY-P•VKM, PFFY-P•VCM, and PFFY-P•VL* type indoor units cannot be used in a mixed system.

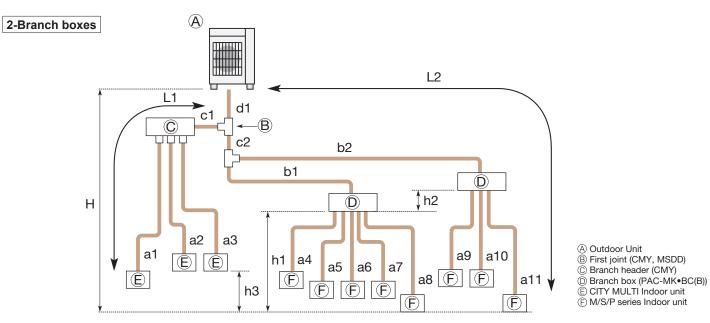
PUMY-SM112/125/140V(Y)KM



A Outdoor Unit
 B First joint (CMY, MSDD)
 C Branch header (CMY)
 D Branch box (PAC-MK•BC(B))
 C CITY MULTI Indoor unit
 F M/S/P series Indoor unit

| Permissible length | Total piping length | e1 + d1 + d2 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8≦ 120 m | | | | |
|----------------------|---|---|--|--|--|--|
| (One-way) | Farthest piping length (L1) | e1 + d2 + a1 or e1 + d1 + c1 + b2≦70 m | | | | |
| | Farthest piping length. Via Branch box (L2) | e1 + d1 + c1 + b1 + a8≦ 80 m | | | | |
| | Piping length between outdoor unit and branch box | e1 + d1 + c1 + b1≦ 55 m | | | | |
| | Farthest piping length from the first joint | d1 + c1 + b1 or d1 + c1 + b2≦ 50 m | | | | |
| | Farthest piping length after branch box | a8 ≦ 25 m | | | | |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 ≦ 95 m | | | | |
| Permissible height | le inde su/subde su section // D¥d | $H \leq 50$ m (In case of outdoor unit is set higher than indoor unit) | | | | |
| difference (One-way) | In indoor/outdoor section (H)*1 | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) | | | | |
| | In branch box/indoor unit section (h1) | h1≦15 m | | | | |
| | In each indoor unit (h3) | h3≦12 m | | | | |
| Number of bends | | $\begin{array}{l} e1 + d2 + a1 , e1 + d2 + a2 , e1 + d2 + a3 , e1 + d1 + c2 , e1 + d1 + c1 + b2 , \\ e1 + d1 + c1 + b1 + a4 , e1 + d1 + c1 + b1 + a5 , e1 + d1 + c1 + b1 + a6 , \\ e1 + d1 + c1 + b1 + a7l, e1 + d1 + c1 + b1 + a8 \le 15 \end{array}$ | | | | |

*1: Branch box should be placed within the level between the outdoor unit and indoor units.



| Permissible length | Total piping length | $d1 + c1 + c2 + b1 + b2 + a1 + a2 + a3 + a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 \le 120 \text{ m}$ | | | | |
|--------------------|---|---|--|--|--|--|
| (One-way) | Farthest piping length (L1) | d1 + c1 + a1≦ 70 m | | | | |
| | Farthest piping length. Via Branch box (L2) | d1 + c2 + b2 + a11≦ 80 m | | | | |
| | Piping length between outdoor unit and branch boxes | d1 + c2 + b1 + b2≦ 55 m | | | | |
| | Farthest piping length from the first joint | c2 + b2 or c1 + a1≦ 50 m | | | | |
| | Farthest piping length after branch box | a11 ≦ 25 m | | | | |
| | Farthest branch box from outdoor unit | d1 + c2 + b2≦ 55 m | | | | |
| | Total piping length between branch boxes and indoor units | a4 + a5 + a6 + a7 + a8 + a9 + a10 + a11 ≦ 95 m | | | | |
| Permissible height | la inde avie del concerti de la Ned | H ≦ 50 m (In case of outdoor unit is set higher than indoor unit) | | | | |
| difference | In indoor/outdoor section (H)*1 | $H \leq 40$ m (In case of outdoor unit is set lower than indoor unit) | | | | |
| (One-way) | In branch box/indoor unit section (h1) | h1 + h2 ≦ 15 m | | | | |
| | In each branch unit (h2) | h2 ≦ 15 m | | | | |
| | In each indoor unit (h3) | h3 ≦ 12 m | | | | |
| Number of bends | | $ \begin{array}{ c c c c c c c c c c c c c c c c c c c$ | | | | |

*1: Branch box should be placed within the level between the outdoor unit and indoor units.

Explanation of Terminology

Maximum piping length:

This is the maximum allowable length of the refrigerant piping. The amount of refrigerant pipe used cannot be longer than the length specified.

Total length:

The maximum allowable combined length of all the refrigerant piping between the outdoor unit and indoor unit(s).

Outdoor Unit - Indoor Unit:

The maximum allowable length of the refrigerant piping between the outdoor unit and indoor units installed when multiple units are connected to a single outdoor unit. This distance limitation refers to the maximum length between the outdoor unit and the farthest indoor unit.

Pipe length difference from distribution pipe:

The maximum allowable difference in refrigerant piping length from the distribution pipe to the farthest indoor unit and from the distribution pipe to the closest indoor unit when multiple indoor units are connected to a single outdoor unit using a distribution pipe.

Indoor Unit - Distribution Pipe:

The maximum allowable length of the refrigerant piping between indoor units and the distribution pipe when multiple indoor units are connected to a single outdoor unit.

Maximum height difference:

This is the maximum allowable height difference. It is necessary to install the air conditioning system so that the height distance is no more than the difference specified. (Specified differences may vary if the outdoor unit is installed higher or lower than the indoor units).

Outdoor unit - Indoor unit:

The maximum allowable difference in height between the outdoor unit and indoor units when installed (when multiple indoor units are connected to a single outdoor unit, this distance limitation refers to the maximum height difference between the outdoor unit and an indoor unit).

Indoor unit - Indoor unit:

The maximum allowable difference between the heights of indoor units when multiple indoor units are connected to a single outdoor unit.

Maximum number of bends:

This is the maximum allowable number of bends in the refrigerant piping. The total number of bends in the refrigerant piping used cannot exceed the number specified.

Total number:

The maximum allowable number of bends for all refrigerant piping between the outdoor unit and indoor units.

Outdoor unit - Indoor unit:

The maximum allowable number of bends between the outdoor unit and each indoor unit when multiple indoor units are connected to a single outdoor unit.

Conditions for specifications

Temperature conditions are based on JIS B8616.

| Cooling | Indoor | 27°C DB, 19°C WB |
|---------|---------|------------------|
| cooling | Outdoor | 35°C DB, 24°C WB |
| Heating | Indoor | 20°C DB |
| Heating | Outdoor | 7°C DB, 6°C WB |

Refrigerant piping length ; 5m

The figures for total input are based on the following voltages.

| Series | Indoor unit | Outdoor unit | | |
|--|-----------------------|---|--|--|
| M Series S Series P Series (except for PEA) MXZ Series POWERFUL HEATING Series | _ | VF, VG, VE, VA, VHA, VKA: 230V/Single phase/50Hz YA, YHA, YKA: 400V/Three phase/50Hz | | |
| PEA Series | 400V/Three phase/50Hz | 400V/Three phase/50Hz | | |

Sound pressure level

• The sound pressure measurement is conducted in an anechoic chamber.

• The actual sound level depends on the distance from the unit and the acoustic environment.

How to read a model name

1) M & S Series

| ., | |
|----|--|
| М | M : M Series S : S Series |
| S | "S"= Wall-mounted , "F"= Compact floor-standing , "E"= Compact ceiling-concealed , |
| 5 | "L"= 4- or 1-way cassette , "U"= Outdoor unit |
| Z | "Z"= Inverter heat pump , "H"= Fixed-speed heat pump , "blank"= Cooling only of Non-inverter , "Y"= Cooling only of inverter |
| - | |
| F | Series |
| Н | Generation |
| 25 | Rated cooling capacity (kW base) |
| V | 230V / Single phase / 50Hz |
| | "A"= R410A with new A control , "B"= R410A with conventional control , |
| E | "E"= R410A with new A control & ErP correspondance , "G"=R32 with new A control & ErP correspondance , |
| | "F"= R32 with new A control |
| | "HZ"= Hyper Heating model , "H"= Anti-freeze heater equipped model , |
| HZ | "S"= Silver indoor unit , "W"= White/Natural White indoor unit , "B"= Black/Onyx Black indoor unit , |
| | "V"= Pearl White indoor unit , "R"= Ruby Red indoor unit |
| - | |

2) P Series

| P | P Series |
|------|--|
| | "K"= Wall-mounted , "S"= Floor-standing , "L"= 4-way cassette , "E"= Ceiling-concealed , |
| U | "C"= Ceiling-suspended, "U"= Outdoor unit |
| Н | "H"= For heating and cooling |
| Z | "Z"= Inverter |
| _ | |
| ZM/M | "ZM"= R32 Eco-conscious Power Inverter , "M"= R32 &R410A |
| 71 | Rated cooling capacity (kW base) |
| V | "V"= 230V / Single phase / 50Hz , "Y"= 400V / Three phase / 50Hz |
| Н | Generation |
| А | "A"= A control |

3) MXZ Series

| М | M Series |
|----------------|--|
| Х | Multi-system outdoor unit (heat pump) |
| Z | Inverter heat pump |
| _ | |
| 4 | Maximum number of connectable indoor units |
| D/E/F/HJ/DM/HA | Generation / Type |
| 72 | Rated cooling capacity (kW base) |
| V | "V"= 230V / Single phase / 50Hz, "F"= R32 with new A control |
| A/F | "A"= R410A with new A control |
| HZ | "HZ"= Hyper Heating model , "H"= Anti-freeze heater equipped model |
| | |

Refrigerant Amount

M/S/P/Multi/Zubadan/ATW

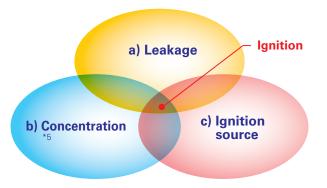
| | | Refrige | Refrigerant | | Pre-charged quantity | | Max. added quantity | |
|-----------|-------------------------------|------------|-------------|----------------|-------------------------|----------------|------------------------|--|
| | Model Name | | | | CO ₂ | CO2 | | |
| | | | GWP | Weight [kg] | equivalent [t] | Weight [kg] | equivalent [t] | |
| | MUZ-RW25VG | R32 | 675 | 1.20 | 0.81 | 1.40 | 0.95 | |
| | MUZ-RW35VG | R32 | 675 | 1.10 | 0.74 | 1.30 | 0.88 | |
| | MUZ-RW50VG | R32 | 675 | 1.21 | 0.82 | 1.51 | 1.02 | |
| | MUZ-LN25VG | R32 | 675 | 1.00 | 0.68 | 0.26 | 0.18 | |
| | MUZ-LN25VG2 | R32 | 675 | 0.8 | 0.54 | 0.20 | 0.135 | |
| | MUZ-LN35VG | R32 | 675 | 1.00 | 0.68 | 0.26 | 0.18 | |
| | MUZ-LN35VG2 | R32 | 675 | 0.85 | 0.57 | 0.20 | 0.14 | |
| | MUZ-LN50VG | R32 | 675 | 1.25 | 0.85 | 0.26 | 0.18 | |
| | MUZ-LN50VG2 MUZ-LN60VG | R32 R32 | 675 675 | 1.25 1.45 | 0.85 | 0.10 | 0.07 | |
| | MUZ-LN25VGHZ | R32 | 675 | 1.45 | 0.98 | 0.46 | 0.32 | |
| | MUZ-LN35VGHZ | R32 | 675 | 1.00 | 0.68 | 0.26 | 0.18 | |
| | MUZ-LN50VGHZ | R32 | 675 | 1.45 | 0.98 | 0.20 | 0.18 | |
| | MUZ-FT25VGHZ | R32 | 675 | 0.85 | 0.58 | 0.46 | 0.32 | |
| | MUZ-FT35VGHZ | R32 | 675 | 0.95 | 0.65 | 0.45 | 0.31 | |
| | MUZ-FT50VGHZ | R32 | 675 | 0.95 | 0.65 | 0.45 | 0.31 | |
| | MUZ-AY15VG | R32 | 675 | 0.49 | 0.05 | 0.45 | 0.18 | |
| | MUZ-AY20VG | R32 | 675 | 0.55 | 0.34 | 0.25 | 0.18 | |
| | MUZ-AY25VG | R32 | 675 | 0.55 | 0.37 | 0.25 | 0.18 | |
| | MUZ-AY35VG | R32 | 675 | 0.55 | 0.37 | 0.26 | 0.18 | |
| | MUZ-AY42VG | R32 | 675 | 0.70 | 0.47 | 0.26 | 0.18 | |
| | MUZ-AY50VG | R32 | 675 | 1.00 | 0.68 | 0.26 | 0.18 | |
| | MUZ-AP60VG | R32 | 675 | 1.00 | 0.71 | 0.30 | 0.20 | |
| | MUZ-AP71VG | R32 | 675 | 1.50 | 1.02 | 0.30 | 0.20 | |
| | MUZ-AY25VGH | R32 | 675 | 0.55 | 0.37 | 0.26 | 0.18 | |
| | MUZ-AY35VGH | R32 | 675 | 0.55 | 0.37 | 0.26 | 0.18 | |
| | MUZ-AY42VGH | R32 | 675 | 0.70 | 0.47 | 0.26 | 0.18 | |
| | MUZ-AY50VGH | R32 | 675 | 1.00 | 0.68 | 0.26 | 0.18 | |
| | MUZ-EF25VG(H) | R32 | 675 | 0.62 | 0.42 | 0.26 | 0.18 | |
| | MUZ-EF35VG(H) | R32 | 675 | 0.74 | 0.50 | 0.26 | 0.18 | |
| | MUZ-EF42VG | R32 | 675 | 0.74 | 0.50 | 0.26 | 0.18 | |
| | MUZ-EF50VG | R32 | 675 | 1.05 | 0.71 | 0.46 | 0.32 | |
| M-Series | MUZ-BT20VG | R32 | 675 | 0.45 | 0.30 | 0.26 | 0.18 | |
| vi-Series | MUZ-BT25VG | R32 | 675 | 0.50 | 0.34 | 0.26 | 0.18 | |
| | MUZ-BT35VG | R32 | 675 | 0.50 | 0.34 | 0.26 | 0.18 | |
| | MUZ-BT50VG | R32 | 675 | 0.70 | 0.47 | 0.26 | 0.18 | |
| | MUZ-HR25VF | R32 | 675 | 0.40 | 0.27 | 0.26 | 0.18 | |
| | MUZ-HR35VF | R32 | 675 | 0.45 | 0.30 | 0.26 | 0.18 | |
| | MUZ-HR42VF | R32 | 675 | 0.70 | 0.47 | 0.26 | 0.18 | |
| | MUZ-HR50VF | R32 | 675 | 0.80 | 0.54 | 0.26 | 0.18 | |
| | MUZ-HR60VF | R32 | 675 | 1.05 | 0.71 | 0.46 | 0.32 | |
| | MUZ-HR71VF | R32 | 675 | 1.05 | 0.71 | 0.46 | 0.32 | |
| | MUZ-DW25VF | R32 | 675 | 0.50 | 0.34 | 0.25 | 0.17 | |
| | MUZ-DW35VF | R32 | 675 | 0.55 | 0.38 | 0.25 | 0.17 | |
| | MUZ-DW50VF | R32 | 675 | 0.97 | 0.66 | 0.25 | 0.17 | |
| | MUY-TP35VF | R32 | 675 | 0.85 | 0.57 | 0.13 | 0.09 | |
| | MUY-TP50VF | R32 | 675 | 0.85 | 0.57 | 0.13 | 0.09 | |
| | MUFZ-KW25VGHZ | R32 | 675 | 1.0 | 0.68 | 1.26 | 0.86 | |
| | MUFZ-KW35VGHZ | R32 | 675 | 1.0 | 0.68 | 1.26 | 0.86 | |
| | MUFZ-KW50VGHZ | R32 | 675 | 1.3 | 0.88 | 1.76 | 1.19 | |
| | MUFZ-KW60VGHZ | R32 | 675 | 1.3 | 0.88 | 1.76 | 1.19 | |
| | MXZ-2F33VF4 MXZ-2F42VF4 | R32 R32 | 675 675 | 0.8 | 0.54 | 0.8 | 0.54 | |
| | MXZ-2F42VF4 MXZ-2F53VF(H)4 | R32 R32 | 675 | 1.0 | 0.675 | 1.0 | 0.675 | |
| | MXZ-2F53VF(H)4 MXZ-3F54VF4 | | | - | | | 0.675 | |
| | | R32 | 675 | 2.4 | 1.62 | 0 | | |
| | MXZ-3F68VF4 MXZ-4F72VF4 | R32 R32 | 675 675 | 2.4 | 1.62 | 0 | 0 | |
| | MXZ-4F72VF4 MXZ-4F80VF4 | R32 R32 | 675 | 2.4 | 1.62 | 0 | 0 | |
| | MXZ-4F80VF4 MXZ-4F83VF2 | R32 R32 | 675 | 2.4 | 1.62 | 0 | 0 | |
| | MXZ-4F83VF2 MXZ-5F102VF2 | R32 | 675 | 2.4 | 1.62 | 0 | 0 | |
| | MXZ-6F120VF2 | R32 | 675 | 2.4 | 1.62 | 0 | 0 | |
| | MXZ-2F53VFHZ2 | R32 | 675 | 2.4 | 1.62 | 0 | 0 | |
| | MXZ-4F83VFHZ2 | R32 | 675 | 2.4 | 1.62 | 0 | 0 | |
| | MXZ-2HA40VF2 | R32 | 675 | 0.9 | 0.61 | 0.9 | 0.61 | |
| | | 1 | 1 0.0 | 0.0 | 0.01 | 0.0 | 0.01 | |
| | MXZ-2HA50VF2 | R32 | 675 | 0.9 | 0.61 | 0.9 | 0.61 | |

| | | | Refrigerant | | charged Jantity | Max. added quantity | |
|---------------|--|----------------|--------------|----------------|--------------------------------------|------------------------|--------------------------------------|
| | Model Name | | GWP | Weight [kg] | CO ₂ equivalent [t] | Weight [kg] | CO ₂ equivalent [t] |
| | SUZ-M25VA | R32 | 675 | 0.65 | 0.44 | 0.26 | 0.18 |
| | SUZ-M35VA | R32 | 675 | 0.90 | 0.61 | 0.26 | 0.18 |
| S-Series | SUZ-M50VA | R32 | 675 | 1.20 | 0.81 | 0.46 | 0.31 |
| | SUZ-M60VA | R32 | 675 | 1.25 | 0.84 | 0.46 | 0.31 |
| | SUZ-M71VA | R32 | 675 | 1.45 | 0.98 | 0.92 | 0.62 |
| | PUZ-ZM35VKA2 PUZ-ZM50VKA2 | R32 R32 | 675 675 | 2.0 | 1.35 1.35 | 0.3 | 0.20 |
| | PUZ-ZIM60VHA2 | R32 | 675 | 2.0 | 1.35 | 0.3 | 0.20 |
| | PUZ-ZM71VHA2 | R32 | 675 | 2.8 | 1.89 | 0.8 | 0.54 |
| | PUZ-ZM100VKA2 | R32 | 675 | 3.6 | 2.43 | 2.4 | 1.62 |
| | PUZ-ZM100YKA2 | R32 | 675 | 3.6 | 2.43 | 2.4 | 1.62 |
| | PUZ-ZM125VKA2 | R32 | 675 | 3.6 | 2.43 | 2.4 | 1.62 |
| | PUZ-ZM125YKA2 | R32 | 675 | 3.6 | 2.43 | 2.4 | 1.62 |
| | PUZ-ZM140VKA2 | R32 | 675 | 3.6 | 2.43 | 2.4 | 1.62 |
| P-Series | PUZ-ZM140YKA2 PUZ-ZM200YKA2 | R32 R32 | 675 675 | 3.6 6.3 | 2.43 | 2.4 9.2 | 1.62 6.21 |
| | PUZ-ZM250YKA2 | R32 | 675 | 6.8 | 4.25 | 9.2 | 6.21 |
| | PUZ-M100VKA2 | R32 | 675 | 3.1 | 2.1 | 4.8 | 0.21 |
| | PUZ-M100YKA2 | R32 | 675 | 3.1 | 2.1 | 1.0 | 0.7 |
| | PUZ-M125VKA2 | R32 | 675 | 3.6 | 2.4 | 1.0 | 0.95 |
| | PUZ-M125YKA2 | R32 | 675 | 3.6 | 2.4 | 1.4 | 0.95 |
| | PUZ-M140VKA2 | R32 | 675 | 3.6 | 2.4 | 1.4 | 0.95 |
| | PUZ-M140YKA2 | R32 | 675 | 3.6 | 2.4 | 1.4 | 0.95 |
| | PUZ-M200YKA2 PUZ-M250YKA2 | R32 R32 | 675 675 | 5.6 6.8 | 3.78 | 1.4 1.6 | 1.08 1.62 |
| | PUZ-IVI2501 KA2 PUMY-SP112VKM2(-BS) | R410A | 2088 | 3.5 | 7.31 | 9.0 | 18.79 |
| | PUMY-SP112YKM2(-BS) | R410A | 2088 | 3.5 | 7.31 | 9.0 | 18.79 |
| | PUMY-SP125VKM2(-BS) | R410A | 2088 | 3.5 | 7.31 | 9.0 | 18.79 |
| | PUMY-SP125YKM2(-BS) | R410A | 2088 | 3.5 | 7.31 | 9.0 | 18.79 |
| | PUMY-SP140VKM2(-BS) | R410A | 2088 | 3.5 | 7.31 | 9.0 | 18.79 |
| | PUMY-SP140YKM2(-BS) | R410A | 2088 | 3.5 | 7.31 | 9.0 | 18.79 |
| | PUMY-P112VKM6(-BS) | R410A R410A | 2088 | 4.8 4.8 | 10.02 | 13.8 | 28.81 |
| | PUMY-P125VKM5(-BS) PUMY-P140VKM5(-BS) | R410A | 2088 | 4.8 | 10.02 | 13.8 13.8 | 28.81 28.81 |
| PUMY | PUMY-P112YKM(E)5(-BS) | R410A | 2088 | 4.8 | 10.02 | 13.8 | 28.81 |
| | PUMY-P125YKM(E)6(-BS) | R410A | 2088 | 4.8 | 10.02 | 13.8 | 28.81 |
| | PUMY-P140YKM(E)5(-BS) | R410A | 2088 | 4.8 | 10.02 | 13.8 | 28.81 |
| | PUMY-P200YKM3(-BS) | R410A | 2088 | 7.3 | 15.24 | 13.1 | 27.35 |
| | PUMY-P250YBM2(-BS) | R410A | 2088 | 9.3 | 19.42 | 32.1 | 67.03 |
| | PUMY-P300YBM2(-BS) PUMY-SM112VKM(-BS) | R410A R32 | 2088 675 | 9.3 3.0 | 19.42 2.03 | 32.1 7.5 | 67.03 5.06 |
| | PUMY-SM112YKM(-BS) | R32 | 675 | 3.0 | 2.03 | 7.5 | 5.06 |
| | PUMY-SM125VKM(-BS) | R32 | 675 | 3.0 | 2.03 | 7.5 | 5.06 |
| | PUMY-SM125YKM(-BS) | R32 | 675 | 3.0 | 2.03 | 7.5 | 5.06 |
| | PUMY-SM140VKM(-BS) | R32 | 675 | 3.0 | 2.03 | 7.5 | 5.06 |
| | PUMY-SM140YKM(-BS) | R32 | 675 | 3.0 | 2.03 | 7.5 | 5.06 |
| | PUZ-WM50VHA | R32 | 675 | 2.0 | 1.35 | - | - |
| ATW | PUZ-WM60VAA PUZ-WM85V/YAA | R32 R32 | 675 675 | 2.2 | 1.49 | - | - |
| Packaged | PUZ-WM85V/YAA PUZ-WM112V/YAA | R32 R32 | 675 | 3.0 | 2.03 | _ | _ |
| | PUZ-HWM140V/YHA | R32 | 675 | 3.3 | 2.2275 | - | - |
| | SUZ-SWM40VA | R32 | 675 | 1.2 | 0.81 | 0.4 | 0.27 |
| | SUZ-SWM60VA | R32 | 675 | 1.2 | 0.81 | 0.4 | 0.27 |
| | SUZ-SWM80VA | R32 | 675 | 1.2 | 0.81 | 0.4 | 0.27 |
| | PUD-SWM60VAA | R32 | 675 | 1.3 | 0.8775 | 0.3 | 0.20 |
| | PUD-SWM80V/YAA | R32 | 675 | 1.3 | 0.8775 | 0.3 | 0.20 |
| | PUD-SWM100V/YAA PUD-SWM120V/YAA | R32 R32 | 675 675 | 1.6 1.6 | 1.08 1.08 | 0.23 | 0.16 |
| 0710/ | PUD-SHWM60VAA | R32 | 675 | 1.6 | 0.945 | 0.23 | 0.16 |
| ATVV Split | PUD-SHWM80V/YAA | R32 | 675 | 1.4 | 0.945 | 0.3 | 0.20 |
| | PUD-SHWM100V/YAA | R32 | 675 | 1.7 | 1.1475 | 0.13 | 0.09 |
| | PUD-SHWM120V/YAA | R32 | 675 | 1.7 | 1.1475 | 0.13 | 0.09 |
| | PUD-SHWM140V/YAA | R32 | 675 | 1.7 | 1.1475 | 0.13 | 0.09 |
| | PUHZ-SW75V/YAA | R410A | 2088 | 3.0 | 6.27 | 1.8 | 3.76 |
| | PUHZ-SW100V/YAA | R410A | 2088 | 4.2 | 8.77 | 1.6 | 3.76 |
| | PUHZ-SW120V/YHA | R410A | 2088 | 4.6 | 9.61 | 2.9 | 6.06 |
| | | | | | | | |
| | PUHZ-SW160YKA PUHZ-SW200YKA | R410A R410A | 2088 2088 | 7.1 | 14.83 16.08 | 4.0 5.2 | 8.36 8.36 |

R32 REFRIGERANT

R32 REFRIGERANT PROPERTIES

Under the conditions shown below, there is a possibility that R32 could ignite.



| | R32 | R410A | R22 |
|------------------------------------|--------------------------------|--|--------------------------|
| Chemical formula | CH ₂ F ₂ | CH ₂ F ₂ /CHF ₂ CF ₃ | CHCIF2 |
| Composition (blend ratio wt. %) | Single composition | R32/R125 (50/50 wt %) | Single composition |
| Ozone depletion potential (ODP) | 0 | 0 | 0.055 |
| Global warming potential (GWP) *1 | 675 | 2088 | 1810 |
| LFL(vol.%) *2 | 13.3 | - | - |
| UFL(vol.%) *3 | 29.3 | - | - |
| Flammability *4 | Lower flammability (2L) | No flame propagation (1) | No flame propagation (1) |

*1 IPCC 4th assessment report.

*2 LFL : Lower flammable limit

*3 UFL : Upper flammable limit

*4 ISO 817:2014

*5 R32 consistency is higher than LFL^{*1} and lower than UFL^{*2}.

Although R32 is classified as low flammability, the possibility of igniting can be eliminated by ensuring the following three points.

\land WARNING

a) Do not leak refrigerant.

<Installation> ·Vacuum drying should be done. Air purging is prohibited. ·Follow "Piping Installation" on page 245. <Repair/Relocation/Removal> ·Pump down or recovering refrigerant should be done.

b) Prevent concentration.

•Ventilate during installation and servicing, such as open the door or window and use a fan. •Follow "Installation Restrictions" on page 260.

c) Keep ignition source away from the unit.

Do not braze pipe and unit which contain refrigerant. Before brazing, refrigerant should be recovered.
Do not install unit while the electricity is turned on. Turn off electricity at the fuse box and check the wiring using a tester.
Do not smoke when working or during transportation of the product.

A CAUTION

Both R32 / R410A emit a toxic gas when coming into contact with an open flame.

INSTALLATION RESTRICTIONS

In order to prevent the refrigerant from igniting, use the following instructions during installation.

1) Indoor Units

Install in a room with a floor area of Amin^* or more, corresponding to refrigerant quantity $\mathsf{M}.$

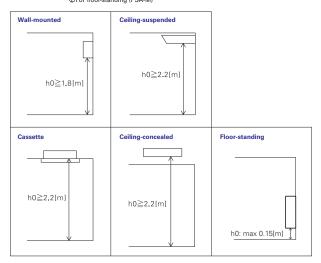
(M = factory-charged refrigerant + locally added refrigerant)

Install the indoor unit so that the height from the floor to the bottom of the indoor unit is hO^* .

* Refer to table and drawings below.

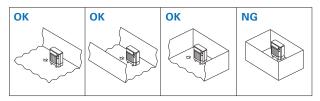
| <m series=""></m> | | | <p series=""> ①</p> | | | 2 | | | <mxz series=""></mxz> | | | <only for="" kw="" mfz-kt=""></only> | | | |
|-------------------|--------------|---|---------------------|--------------|--|-------|---------------------|--|-----------------------|--------------|------|--------------------------------------|-----------------------|--|--|
| M[kg] | Amin [m²] | | M[kg] | Amin [m²] | | M[kg] | Amin [m²] | | M[kg] | Amin [m²] | | M[kg] | Amin[m ²] | | |
| 0.7 | 1.7 | | 1.0 | 4 | | <1.84 | .No requirements | | 1.0 | 3 | | 1.00 | | | |
| 0.8 | 2.0 | | 1.5 | 6 | | 1.84 | 6 | | 1.5 | 4.5 | 1.50 | No | | | |
| 0.0 | 2.0 | | 2.0 | 8 | | 2.0 | 6 | | 1.5 | 4.5 | | 1.50 | requirements | | |
| 0.9 | 2.2 | ſ | 2.5 | 10 | | 2.5 | 7 | | 2.0 | 6 | | 1.80 | | | |
| 1.0 | 2.5 | | 3.0 | 12 | | 3.0 | 9 | | 2.5 | 7.5 | | 1.84 | 3.63 | | |
| 1.1 | 2.7 | | 3.5 | 14 | | 3.5 | 10 | | 3.0 | 9 | | 1.90 | 3.75 | | |
| | | | 4.0 | 16 | | 4.0 | 11 | | | | | | | | |
| 1.2 | 3.0 | ſ | 4.5 | 20 | | 4.5 | 13 | | 3.5 | 12 | | 2.00 | 3.95 | | |
| 1.3 | 3.2 | ſ | 5.0 | 24 | | 5.0 | 14 | | 4.0 | 15.5 | | 2.10 | 4.15 | | |
| 1.4 | 3.4 | | 5.5 | 29 | | 5.5 | 15 | | 4.5 | 20 | | 2.20 | 4.34 | | |
| 1.5 | 3.7 | | 6.0 | 35 | | 6.0 | 17 | | 5.0 | 24 | | 2.30 | 4.54 | | |
| 1.0 | 0.7 | | 6.5 | 41 | | 6.5 | 18 | | 0.0 | 24 | | 2.00 | - | | |
| 1.6 | 3.9 | | 7.0 | 47 | | 7.0 | 20 | | 5.5 | 29 | | 2.40 | 4.74 | | |
| 1.7 | 4.2 | | 7.5 | 54 | | 7.5 | 21 | | 6.0 | 35 | | | | | |
| 1.8 | 4.4 | [| 8.0 | 62 | | 8.0 | 22 | | 6.5 | 41 | | | | | |
| | | | 8.5 | 69 | | 8.5 | 24 | | | | | | | | |
| 1.9 | 4.6 | ſ | 9.0 | 78 | | 9.0 | 25 | | 7.0 | 47 | | | | | |
| 2.0 | 4.9 | | 9.5 | 87 | | 9.5 | 26 | | 7.5 | 54 | | | | | |
| | | Ċ | | Il-mounte | | | | | | | | | | | |

Suspended, cassette and conce @For floor-standing (PSA-M)



2) Outdoor Units

Install outdoor units in a place where at least one of the four sides is open or in a sufficiently large space without depressions.



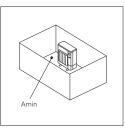
If you unavoidably install a unit in a space where all four sides are blocked or there are depressions, confirm that one of these situations (A, B or C) is satisfied.

A Secure sufficient installation space (minimum installation area Amin).

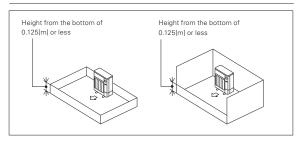
Install in a space with an installation area of Amin* or more, corresponding to refrigerant quantity M. (M = factory-charged refrigerant + locally added refrigerant)

* Refer to table and drawings below.

| M[kg] | Amin[m²] |
|-------|----------|
| 1.0 | 12 |
| 1.5 | 17 |
| 2.0 | 23 |
| 2.5 | 28 |
| 3.0 | 34 |
| 3.5 | 39 |
| 4.0 | 45 |
| 4.5 | 50 |
| 5.0 | 56 |
| 5.5 | 62 |
| 6.0 | 67 |
| 6.5 | 73 |
| 7.0 | 78 |
| 7.5 | 84 |
| 8.0 | 89 |
| 8.5 | 95 |
| 9.0 | 100 |
| 9.5 | 106 |



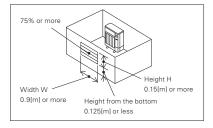
B Install in a space with a depression height of ≤ 0.125 [m].



C Create an appropriate open ventilation area.

Make sure that the width of the open area is 0.9[m] or more and the height of the open area is 0.15[m] or more. However, the height from the bottom of the installation space to

the bottom edge of the open area should be 0.125[m] or less. More than 75% of the ventilation area should be open to allow air circulation.



Note These countermeasures (A, B or C) are for keeping safety not for specification guarantee.

IOSSNAY SYSTEM







SELECTION

LOSSNAY lineup consists of two types of ventilation: Energy Recovery Ventilation (ERV) and Heat Recovery Ventilation (HRV). Choose the model that best matches your building layout and indoor environment.

LOSSNAY LINEUP

| Application | Airflow | 50 CMH | 100 CMH | 150 CMH | 250 CMH | 350 CMH | 500 CMH | 650 CMH | 800 CMH | 1000 CMH | 1500 CMH | 1600 CMH | 2000 CMH | 2500 CMH |
|-------------|----------------------------|-----------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Commercial | LGH-RVX3 Series | | | | | • | | | | | | | | |
| | LGH-RVXT Series | | | | | | | | | | • | | • | • |
| | LGH-RVS Series | | | | | | | | | • | | | | |
| | GUF Series | | | | | | | | | • | | | | |
| Residential | VL-CZPVU Series | | | | • | • | • | | | | | | | |
| | VL-100(E)U5-E | | • | | | | | | | | | | | |
| | VL-50(E)S2-E VL-50SR2-E | • | | | | | | | | | | | | |

PRODUCT LINEUP

| Comr | nercial | Residential | | | | | | |
|---|--|--|--|--|--|--|--|--|
| Ceiling Cor | cealed Type | Vertical Type | Wall mounted Type | | | | | |
| LGH-RVX3 Series ERV A commercially oriented system that can be used to deliver high performance and functions virtually anywhere. | | VL-CZPVU Series HRV Vertical type for residential use. Centralized ventilation with sensible heat exchange. | VL-100(E)U5-E ERV Wall mounted models. Particularly suitable for houses and small offices. | | | | | |
| LGH-RVXT Series ERV Thin, large airflow models of the LGH series that deliver high performance and functions. | LGH-RVS Series HRV Sensible heat models of the LGH series that can also be installed in sanitary areas. | | VL-50(E)S2-E ERV VL-50SR2-E Wall mounted models for smaller air volumes. | | | | | |

PLASMA QUAD PROTECT LINEUP

The Plasma Quad Protect lineup includes two models to match the area that needs to be covered.

JC-23KR-EU Air purifier for large areas. Includes a HEPA filter and can be installed on the wall.





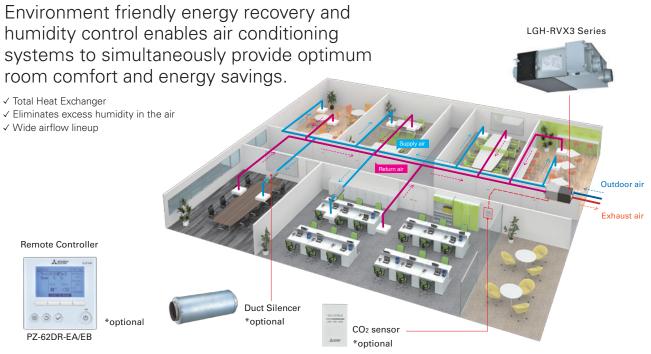
Commercial Use LOSSNAY

Mitsubishi Electric offers Energy Recovery Ventilation and Heat Recovery Ventilation solutions for optimizing building air quality by using LOSSNAY.

Energy Recovery Ventilation

A total heat exchange ventilation system that uses paper characteristics (LOSSNAY core) to perform temperature (sensible heat) and humidity (latent heat) exchange.

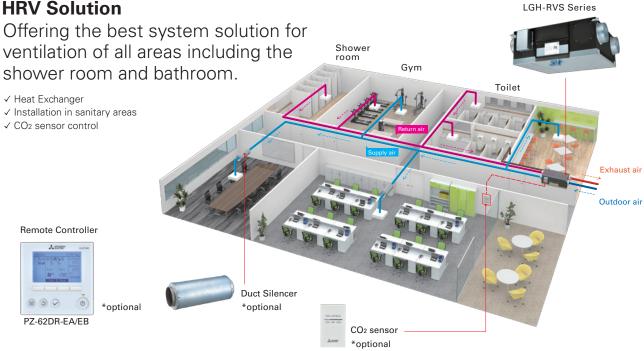
ERV Solution



Heat Recovery Ventilation

A heat exchange ventilation system that uses a heat exchanger (LOSSNAY core) to perform temperature (sensible heat) exchange.

HRV Solution



Residential Use LOSSNAY

Mitsubishi Electric offers you decentralized ventilation and centralized ventilation solutions for optimizing your indoor air quality by using LOSSNAY.

Heat Recovery Ventilation

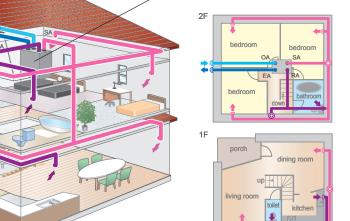
A heat exchange ventilation system that uses a heat exchanger (LOSSNAY core) to perform temperature (sensible heat) exchange.

Centralized Ventilation Solution

One LOSSNAY unit provides 24-hour ventilation for the entire house, from living room and bedrooms to the bathroom. The heat recovery system provides fresh air at a comfortable air temperature. A sensible heat exchanger effectively reduces excess humidity in the winter.



VL-250/350/500CZPVU-R-E VL-250/350/500CZPVU-L-E



Energy Recovery Ventilation

ELCloud

A total heat exchange ventilation system that uses paper characteristics (LOSSNAY Core) to perform temperature (Sensible heat) and humidity (latent heat) exchange.

Decentralized Ventilation Solution

Install a wall-mounted LOSSNAY in each room. The heat recovery system provides fresh air at a comfortable air temperature. The total heat exchanger effectively reduces heat loss.

✓ Total Heat Exchanger

✓ Heat Exchanger✓ Whole-house Solution

✓ Air Purification✓ Quiet Operation

Wi-Fi

Interface

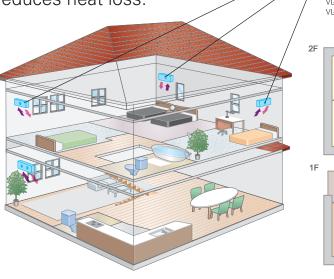
••

✓ MELCloud Control

- ✓ Individual Ventilation
- ✓ Flexible Installation
- ✓ Easy Maintenance
- ✓ Stylish Design

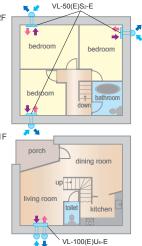


VL-100U5-E (Pull-Switch Model) VL-100EU5-E (Wall-Switch Model)



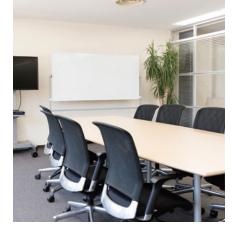


VL-50S2-E (Pull-Switch Model) VL-50ES2-E (Wall-Switch Model) VL-50SR2-E (Remote Controller Model)



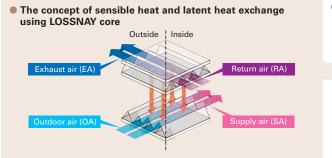
LOSSNAY

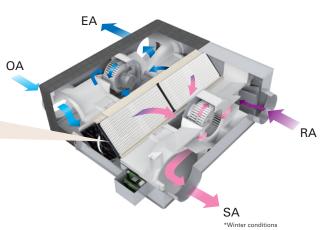
LOSSNAY ventilation systems are renowned industry-wide for their efficiency. They offer environment-friendly energy recovery and humidity control, and enable air conditioning systems to simultaneously provide optimum room comfort and energy savings.



Optimized Indoor Air Quality through Temperature and Humidity Exchange by LOSSNAY

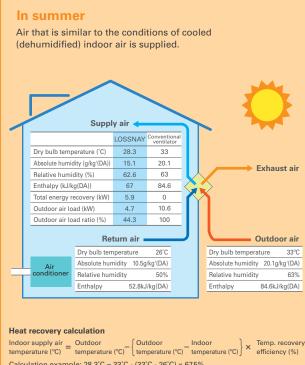
LOSSNAY is a total heat exchange ventilation system that uses paper characteristics to perform temperature (sensible heat) and humidity (latent heat) exchange.





What is Improved by Introducing LOSSNAY?

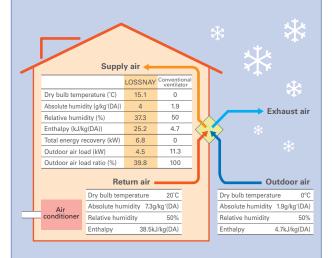
Ventilation with maximized comfort



Calculation example: $28.3^{\circ}C = 33^{\circ}C - (33^{\circ}C - 26^{\circ}C) \times 67.5\%$ *The above applies to the case of LGH-100RVX3-E. (1000m³/h)

In winter

Air that is similar to the conditions of heated (humidified) indoor air is supplied.



Heat recovery calculation

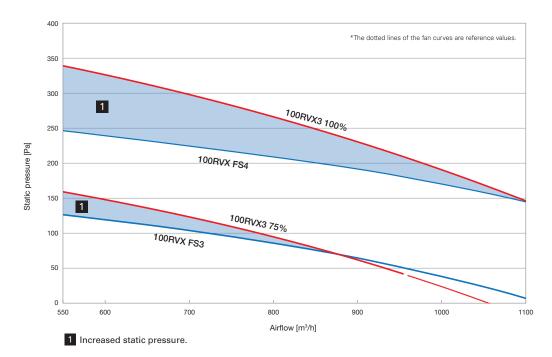
 $\begin{array}{l} \mbox{Indoor supply air} = \left\{ \begin{array}{l} \mbox{Indoor} & -\mbox{Outdoor} \\ \mbox{temperature (°C)} & -\mbox{Temp. recovery} + \begin{array}{l} \mbox{Outdoor} \\ \mbox{temperature (°C)} \end{array} \right\} \times \begin{array}{l} \mbox{Temp. recovery} + \begin{array}{l} \mbox{Outdoor} \\ \mbox{temperature (°C)} \\ \mbox{Calculation example: 15'C = (20'C - 0'C) \times 75.5\% + 0'C} \\ \mbox{*The above applies to the case of LGH-100RVX3-E. (1000m³/h)} \end{array} \right\}$



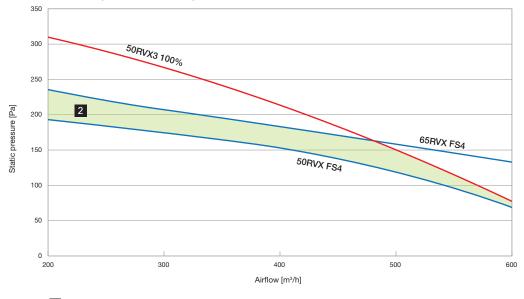
Four Key Features

High Static Pressure

External static pressure has been improved compared to previous models. Accompanying this increase in external static pressure, the selection range of models and filters has also expanded. Furthermore, flexible duct work has become possible.



Models smaller than previous models may be chosen.



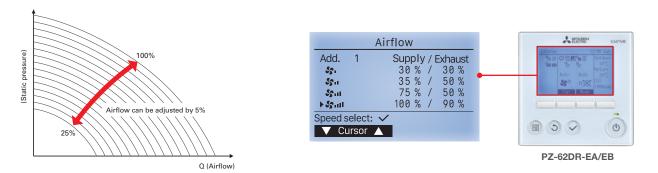
² Where 65RVX was previously chosen, 50RVX3 (one size down) may now be chosen, owing to its increased external static pressure.

Controllability

Improved airflow range

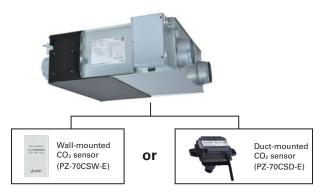
Flexible airflow setting

The default fan speed value (Fan speed 1: 25%, Fan speed 2: 50%, Fan speed 3: 75%, and Fan speed 4: 100%) of both supply air and exhaust air can be adjusted flexibly. Within the range between 25% and 100%, airflow can be adjusted by 5% increments to satisfactorily meet the designed airflow rate.



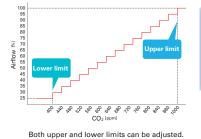
CO₂ sensor

A CO₂ sensor connected directly to a LOSSNAY RVX3 unit optimizes the fan speed according to the detected CO₂ level. It improves total heat exchange efficiency and contributes to energy savings.



Two types of CO₂ sensors are available: wall-mounted and duct-mounted types. Power is supplied to the CO₂ sensor from the LOSSNAY board.

Fan speed automatically changes from 25% to 100% (16 steps) depending on the CO2 concentration level.



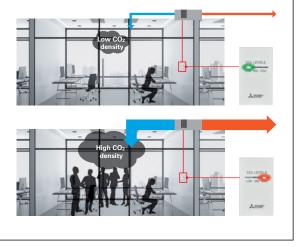
Upper limit: from 600 to 2000 ppm. Lower limit: from 300 to (upper limit –300) ppm.

50 ppm increments.



Automatic operation with CO₂ sensor

Fan speed automatically changes depending on CO₂ concentration.



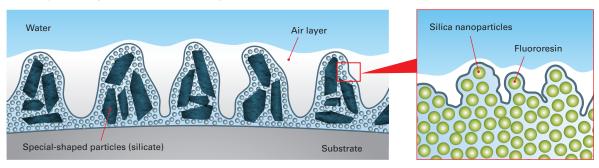


Dual Barrier Coating



Dual Barrier Coating

A water-repellent effect is achieved by a coating film that has nano-sized concave-convex structures formed by silica nanoparticles made of water-repellent fluororesin, in addition to micron-sized concave-convex structures formed by combining micron-sized special-shaped particles (silicate) with the silica nanoparticles. The uneven structure forms an air layer that suppresses the adhesion of dust and sand that contain a lot of humidity, and reduces the amount of dirt that adheres to the substrate.



Conceptual image of dual barrier coating

Upgraded Filters

The replacement filter has a certification of Coarse 60% (measured by ISO16890:2016).

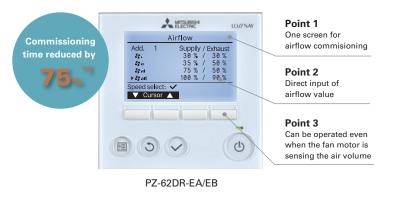


Installation Work

Short Comissioning Time with the New Remote Controller

New Remote Controller PZ-62DR-EA/EB, Supply and Exhaust air volume from FS1 to FS4 directly on one screen. It can also be operated while the fan motor is sensing the air volume.

By using PZ-62DR-EA/EB, the commissioning time for LGH-RVX3 is reduced by 75%*1 compared to the previous RVX series.



*1: The average reduction rate when installing LGH-100RVX-E with PZ-61DR-E and LGH-100RVX3-E with PZ-62DR-EA/EB. Setting work involves changing the supply/exhaust air volume. The time that can be reduced varies depending on the operator and work conditions.

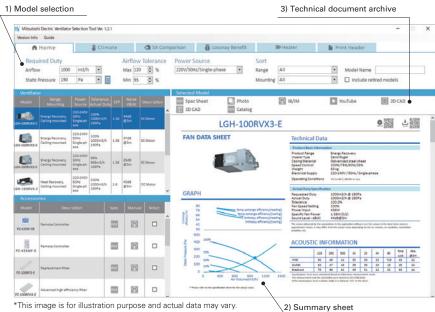
Flexible Vertical and Horizonal Installation

For RVX3 series, vertical installation has become possible for greater flexibility of installation locations. By using optional parts, the unit can be installed in places such as the machine room where only vertical installation is possible.



Mitsubishi Electric Ventilator Selection Tool

Mitsubishi Electric Ventilator Selection Tool is software for selecting optimal ventilation fans. In addition to supporting the selection of a sufficient model, it also provides necessary technical documents.



1. Model selection

An appropriate model can be selected simply by inputing the necessary air volume and static pressure. Optional parts that go with the selected model will also be listed.

2. Summary sheet

Data of the selected model can be downloaded by PDF file. SFP at duty, acoustic information, and energy saving calculation can be also download (varies by model).

3. Technical document archive

Other technical data needed for ventilation system design are also available.

2D CAD





Spec sheet

3D CAD ...and more!

* Inis image is for illustration purpose and actual data may vary. *Ratings and specifications may change due to product improvements or modifications.

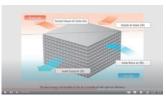
LOSSNAY YouTube Channel

LOSSNAY YouTube channel provides you videos on LOSSNAY features, structures, and more! Please check the 2D code below for more details.

■RVX3 Series features



LOSSNAY structure



■How to select a model





LGH-RVXT SERIES



The LGH-RVXT Series delivers a large airflow of 1500-2500 CMH with a thin body of approximately 500mm that can be easily installed in the ceiling.

LGH-150/200/250RVXT-E

Thin Body Type

LGH-200RVX3-E



Height: 808mm



LGH-150/200/250RVXT-E





Ceiling

LGH-RVXT installation image



LGH-RVS SERIES

The LGH-RVS Series of sensible heat LOSSNAY models allows diverse solutions and options in response to customer needs.

LGH-50/80/100RVS-E

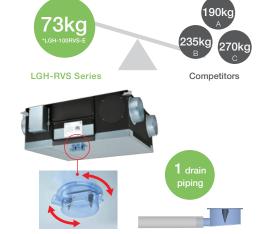
Easy Installation

Light frame

Being frame is one of the most important factors for installation. The light frame of the LGH-RVS series provides an advantage in terms of installation cost and safety.

Easy drain piping

- Only one drain piping for both supply air and exhaust air
- 360-degree drain pipe connection
- Trap piping work is NOT required owing to an internal backflow stopper



Optional Parts

The LGH-RVS series can connect with various optional parts. A CO₂ sensor is one of the best solutions for optimized airflow control. The unit operates while optimizing airflow in accordance with the level of CO₂ concentration in the room. Optimized ventilation can reduce the energy consumption of the air conditioner. A high-efficiency filter can be optionally installed in the unit as an easy solution for even better indoor air quality.

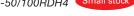


GUF SERIES



Along with LOSSNAY ventilation, the OA processing unit is really two units in one, functioning as the main air conditioner when the load is light and adding supplemental air conditioning when the load is heavy.

GUF-50/100RD4 GUF-50/100RDH4 Small stock



These units can be used with R410A. Outdoor units are available for the GUF-RD/RDH series (for details see Mitsubishi Electric's CITY MULTI catalog).

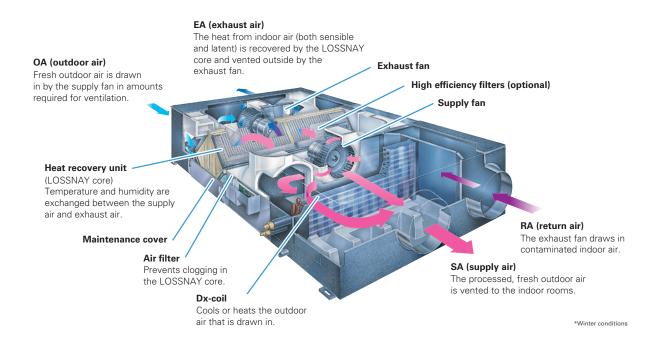
R410A Refrigerant Units

| Mode | el Size | P112 | P125 | P140 | P200 | P250 | P300 | P350 | P400 | P450 | P500 | P550 | P600 | P650 | P700 | P750 | P800 |
|--------------|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Y Series | PUHY-YGM-A | | | | | | | | | | | | | | | | |
| R2 Series | PURY-YGM-A | | | | | | | | | | | | | | | | |
| DUNAX Carias | PUMY-SP | | | | | | | | | | | | | | | | |
| PUMY Series | PUMY-P | | | | | | | | | | | | | | | | |

LOSSNAY Ventilation and Air Conditioning

The OA (outdoor air) Processing Unit creates an optimum environment while providing substantial energy savings. It delivers forced air ventilation, heat recovery, heating and cooling, and air purification. This total air conditioning system keeps indoor air fresh and comfortable all year round, and keeps it free of contaminants that could cause ailments such as sick building syndrome. Inside the OA Processing Unit is the LOSSNAY core, a heat exchange unit that transfers heat efficiently, and cuts ventilation load by as much as 70%. A remarkable product found nowhere else, this special combination of functionality and performance contained within a single unit ensures users ample comfort, good health, and energy savings.

GUF-RD type



LGH-RVX3 SERIES

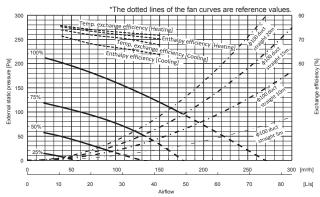
Specifications

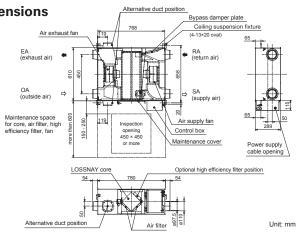
LGH-15RVX3-E

| Electrical power supply | | | | 220-240V/50H | lz, 220V/60Hz | | | | |
|--|---------------------|------|---------------|--------------|---------------|---------------------------------|--|--|--|
| Fan speed | | 4 | 3 | 2 | 1 | The second states | | | |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition | | | |
| Input power (W) | | 55 | 30 | 15 | 10 | | | | |
| Airflow | (m ³ /h) | 150 | 113 | 75 | 38 | | | | |
| (L/s) | | 42 | 31 | 21 | 10 | | | | |
| Specific fan power [W/(L/s)] | | 1.32 | .32 0.96 0.72 | | 0.96 | | | | |
| External static pressure (Pa) | | 120 | 68 | 30 | 8 | ISO 16494-1: 2022 | | | |
| Temperature exchange | Heating | 73.5 | 75.5 | 78.0 | 81.5 | | | | |
| efficiency (%) | Cooling | 65.5 | 70.5 | 73.5 | 78.0 | | | | |
| Enthalpy exchange efficiency (%) | Heating | 70.5 | 73.5 | 76.5 | 80.5 | | | | |
| ., | Cooling | 58.0 | 62.0 | 66.0 | 73.0 | | | | |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 27.0 | 22.0 | 18.0 | 17.0 | A-weighted sound pressure level | | | |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 | | | |
| Weight (kg) | | | 20 | | | | | | |

Characteristic Curves



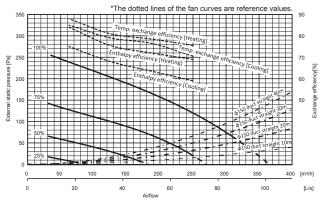


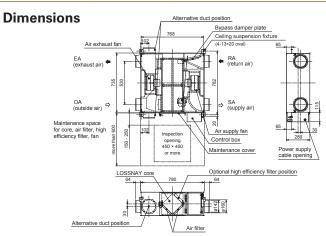


LGH-25RVX3-E

| Electrical power supply | | | | 220-240V/50H | lz, 220V/60Hz | |
|--|---------|------|------|--------------|---------------|---------------------------------|
| Fan speed | | 4 | 3 | 2 | 1 | Test condition |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition |
| Input power (W) | | 75 | 42 | 21 | 11 | |
| Airflow (m ³ /h) | | 250 | 188 | 125 | 63 | |
| Alfflow (L/s) | | 69 | 52 | 35 | 17 | |
| Specific fan power [W/(L/s)] | | 1.08 | 0.81 | 0.60 | 0.63 | |
| External static pressure (Pa) | | 120 | 68 | 30 | 8 | ISO 16494-1: 2022 |
| Temperature exchange | Heating | 75.5 | 78.5 | 81.0 | 88.0 | |
| efficiency (%) | Cooling | 70.5 | 76.5 | 79.0 | 85.0 | |
| Enthalpy exchange efficiency (%) | Heating | 69.0 | 72.0 | 75.5 | 84.0 | |
| | Cooling | 59.0 | 63.5 | 68.0 | 75.0 | |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 30.5 | 25.0 | 19.5 | 17.0 | A-weighted sound pressure level |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 |
| Weight (kg) | | | | 2 | 2 | |

Characteristic Curves





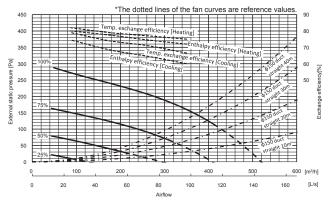
For LGH-RVX3 series

*The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation. *Specifications may be subject to change without notice.

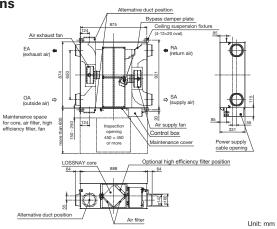
LGH-35RVX3-E

| | | | 220-240V/50H | lz, 220V/60Hz | | |
|---------------------|--|---|--|--|--|--|
| | 4 | 3 | 2 | 1 | Test condition | |
| | 100% | 75% | 50% | 25% | Test condition | |
| | 120 | 61 | 29 | 15 | | |
| (m ³ /h) | 350 | 263 | 175 | 88 | | |
| (L/s) | 97 | 73 | 49 | 24 | | |
| | 1.23 | 0.84 | 0.60 | 0.62 | 7 | |
| | 160 | 90 | 40 | 10 | ISO 16494-1: 2022 | |
| Heating | 75.0 | 77.0 | 79.0 | 82.0 | | |
| Cooling | 66.5 | 71.0 | 74.0 | 79.0 | | |
| Heating | 72.0 | 74.5 | 77.5 | 80.0 | | |
| Cooling | 60.0 | 64.5 | 68.5 | 74.5 | | |
| er of the unit in | 30.5 | 24.5 | 19.0 | 17.0 | A-weighted sound pressure level | |
| | | 5. | .0 | | EN308: 2022/FS3 | |
| | | | 3 | 0 | | |
| ŀ | (L/s) Heating Cooling Heating | 100% 120 (m³/h) 350 (L/s) 97 1.23 160 Heating 75.0 Cooling 66.5 Heating 72.0 Cooling 60.0 | 100% 75% 120 61 (m³/h) 350 263 (L/s) 97 73 1.23 0.84 160 90 Heating 75.0 77.0 Cooling 66.5 71.0 Heating 72.0 74.5 Cooling 60.0 64.5 r of the unit in 30.5 24.5 | 4 3 2 100% 75% 50% 120 61 29 (m³/h) 350 263 175 (L/s) 97 73 49 1.23 0.84 0.60 160 90 40 Heating 75.0 77.0 79.0 Cooling 66.5 71.0 74.0 Heating 72.0 74.5 77.5 Cooling 60.0 64.5 68.5 rof the unit in 30.5 24.5 19.0 | 100% 75% 50% 25% 120 61 29 15 (m³/h) 350 263 175 88 (L/s) 97 73 49 24 1.23 0.84 0.60 0.62 160 90 40 10 Provide 160 90 40 10 Cooling 66.5 71.0 74.0 79.0 Heating 72.0 74.5 77.5 80.0 Cooling 60.0 64.5 68.5 74.5 rd the unit in 30.5 24.5 19.0 17.0 | |

Characteristic Curves



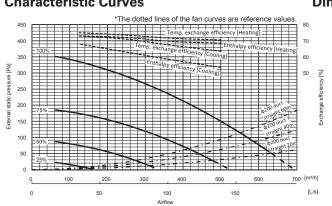
Dimensions

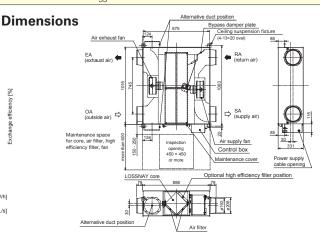


LGH-50RVX3-E

| Electrical power supply | | | | 220-240V/50H | łz, 220V/60Hz | | | |
|--|---------|------|--------------------|--------------|---------------|---------------------------------|--|--|
| Fan speed | | 4 | 3 | 2 | 1 | The second states | | |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition | | |
| Input power (W) | | 185 | 81 | 34 | 15 | | | |
| Airflow (m ³ /h) | | 500 | 375 | 250 | 125 | | | |
| Airtiow (L/s) | | 139 | 104 | 69 | 35 | | | |
| Specific fan power [W/(L/s)] | | 1.33 | 1.33 0.78 0.49 0.4 | | 0.43 | | | |
| External static pressure (Pa) | | 150 | 85 | 38 | 10 | ISO 16494-1: 2022 | | |
| Temperature exchange | Heating | 70.5 | 71.5 | 73.5 | 75.0 | | | |
| efficiency (%) | Cooling | 63.5 | 67.0 | 71.0 | 73.0 | | | |
| Enthalpy exchange efficiency (%) | Heating | 68.5 | 69.5 | 72.0 | 73.0 | | | |
| | Cooling | 53.5 | 58.0 | 63.0 | 68.0 | | | |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 35.0 | 27.0 | 21.0 | 17.0 | A-weighted sound pressure level | | |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 | | |
| Weight (kg) | | 33 | | | | | | |

Characteristic Curves



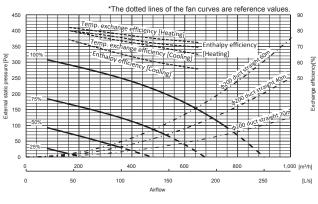


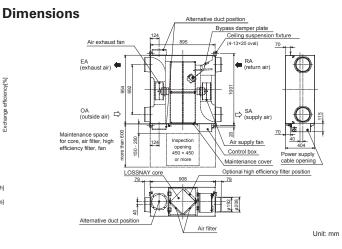
For LGH-RVX3 series
 *The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation.
 *Specifications may be subject to change without notice.

LGH-65RVX3-E

| Electrical power supply | | | | 220-240V/50H | łz, 220V/60Hz | |
|--|---------|------|------|--------------|---------------|---------------------------------|
| Fan speed | | 4 | 3 | 2 | 1 | Test condition |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition |
| Input power (W) | | 245 | 120 | 51 | 20 | |
| Airflow (m ³ /h) | | 650 | 488 | 325 | 163 | |
| (L/s) | | 181 | 135 | 90 | 45 | EN13053: 2019 |
| Specific fan power [W/(L/s)] | | 1.36 | 0.89 | 0.56 | 0.44 | |
| External static pressure (Pa) | | 150 | 85 | 38 | 10 | |
| Temperature exchange | Heating | 72.5 | 75.0 | 78.5 | 82.0 | |
| efficiency (%) | Cooling | 65.0 | 70.0 | 74.5 | 80.0 | |
| Enthalpy exchange efficiency (%) | Heating | 69.5 | 72.0 | 76.5 | 80.0 | EN308: 2022 |
| 1,7 0 , 7 . | Cooling | 55.5 | 60.0 | 66.5 | 74.0 | |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 37.5 | 31.5 | 24.0 | 17.5 | A-weighted sound pressure level |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 |
| Weight (kg) | | | | 4 | 1 | |

Characteristic Curves

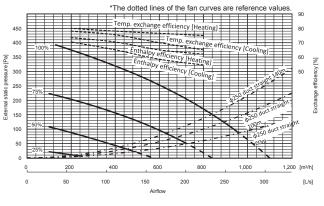




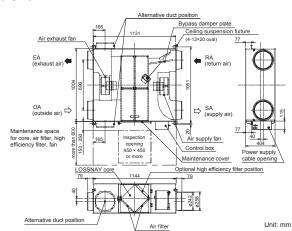
LGH-80RVX3-E

| Electrical power supply | | | | 220-240V/50H | lz, 220V/60Hz | | |
|--|---------|------|------|--------------|---------------|---------------------------------|--|
| Fan speed | | 4 | 3 | 2 | 1 | Test condition | |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition | |
| Input power (W) | | 343 | 160 | 64 | 23 | | |
| Airflow (m ³ /h) | | 800 | 600 | 400 | 200 | | |
| (L/s) | | 222 | 167 | 111 | 56 | EN13053: 2019 | |
| Specific fan power [W/(L/s)] | | 1.54 | 0.96 | 0.58 | 0.41 | | |
| External static pressure (Pa) | | 170 | 96 | 43 | 11 | | |
| Temperature exchange | Heating | 75.0 | 76.5 | 78.0 | 80.0 | | |
| efficiency (%) | Cooling | 65.0 | 70.0 | 75.5 | 78.0 | EN308: 2022 | |
| Enthalpy exchange efficiency (%) | Heating | 62.0 | 65.0 | 70.5 | 73.5 | LIN306. 2022 | |
| 1, 0 , | Cooling | 54.5 | 58.5 | 65.0 | 70.5 | | |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 39.0 | 33.5 | 25.0 | 18.0 | A-weighted sound pressure level | |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 | |
| Weight (kg) | | | | 4 | 7 | | |

Characteristic Curves



Dimensions



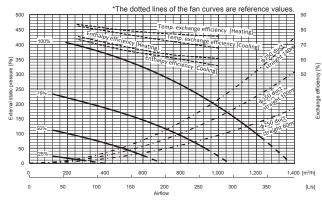
For LGH-RVX3 series *The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation. *Specifications may be subject to change without notice.

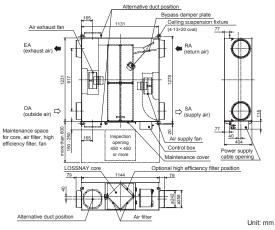
LGH-100RVX3-E

| Electrical power supply | | | | 220-240V/50H | lz, 220V/60Hz | | | | | | |
|---|---------------------|------|------|--------------|---------------|---------------------------------|--|--|--|--|--|
| Fan speed | | 4 | 3 | 2 | 1 | The second data of | | | | | |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition | | | | | |
| Input power (W) | | 438 | 210 | 83 | 27 | | | | | | |
| Airflow | (m ³ /h) | 1000 | 750 | 500 | 250 | | | | | | |
| (L/s) | | 278 | 208 | 139 | 69 | EN13053: 2019 | | | | | |
| Specific fan power [W/(L/s)] | | 1.58 | 1.01 | 0.60 | 0.39 | | | | | | |
| External static pressure (Pa) | | 190 | 107 | 48 | 12 | | | | | | |
| Temperature exchange | Heating | 75.5 | 77.0 | 79.5 | 83.5 | | | | | | |
| efficiency (%) | Cooling | 67.5 | 72.0 | 77.0 | 82.5 | EN308: 2022 | | | | | |
| Enthalpy exchange efficiency (%) | Heating | 60.5 | 63.0 | 68.5 | 75.5 | EN306. 2022 | | | | | |
| | Cooling | 55.5 | 61.0 | 66.0 | 73.5 | | | | | | |
| Noise (dB) (Measured at 1.5m under the centre an anechoic chamber) | er of the unit in | 40.0 | 35.0 | 27.0 | 18.5 | A-weighted sound pressure level | | | | | |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 | | | | | |
| Weight (kg) | | | | 5 | 3 | | | | | | |

Characteristic Curves







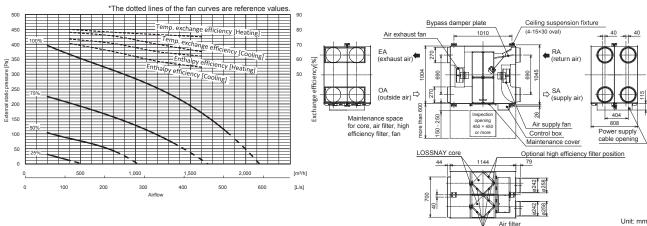
Air filter

LGH-160RVX3-E

| Electrical power supply | | | | 220-240V/50H | lz, 220V/60Hz | | |
|--|---------|------|------|--------------|---------------|---------------------------------|--|
| Fan speed | | 4 | 3 | 2 | 1 | Test condition | |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition | |
| Input power (W) | | 687 | 324 | 128 | 45 | | |
| Airflow (m ³ /h) | | 1600 | 1200 | 800 | 400 | | |
| (L/s) | | 444 | 333 | 222 | 111 | EN13053: 2019 | |
| Specific fan power [W/(L/s)] | | 1.55 | 0.97 | 0.58 | 0.41 |] | |
| External static pressure (Pa) | | 170 | 96 | 43 | 11 | | |
| Temperature exchange | Heating | 75.0 | 76.5 | 78.0 | 80.0 | | |
| efficiency (%) | Cooling | 65.0 | 70.0 | 75.5 | 78.0 | EN1000 0000 | |
| Enthalpy exchange efficiency (%) | Heating | 62.0 | 65.0 | 70.5 | 73.5 | EN308: 2022 | |
| ., | Cooling | 54.5 | 58.5 | 65.0 | 70.5 | | |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 41.0 | 35.0 | 26.0 | 18.0 | A-weighted sound pressure level | |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 | |
| Weight (kg) | | | | g | 96 | | |

Dimensions

Characteristic Curves



For LGH-RVX3 series *The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation. *Specifications may be subject to change without notice.

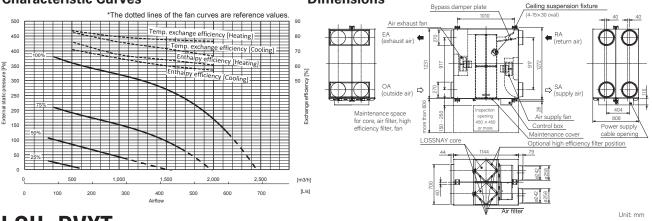
40

LGH-200RVX3-E

| Electrical power supply | | | | 220-240V/50H | lz, 220V/60Hz | |
|--|---------|------|------|--------------|---------------|---------------------------------|
| Fan speed | | 4 | 3 | 2 | 1 | Test condition |
| Default airflow setting | | 100% | 75% | 50% | 25% | Test condition |
| Input power (W) | | 855 | 416 | 163 | 57 | |
| Airflow (m ³ /h) | | 2000 | 1500 | 1000 | 500 | |
| (L/s) | | 556 | 417 | 278 | 139 | EN13053: 2019 |
| Specific fan power [W/(L/s)] | | 1.54 | 1.00 | 0.59 | 0.41 | |
| External static pressure (Pa) | | 170 | 96 | 43 | 11 | |
| Temperature exchange | Heating | 76.5 | 77.5 | 79.5 | 83.5 | |
| efficiency (%) | Cooling | 66.5 | 71.5 | 76.0 | 82.5 | EN000, 0000 |
| Enthalpy exchange efficiency (%) | Heating | 60.5 | 64.0 | 67.5 | 76.0 | EN308: 2022 |
| 1,7 0 , 7 . | Cooling | 57.0 | 60.0 | 65.0 | 71.0 | |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 41.5 | 36.0 | 27.5 | 18.0 | A-weighted sound pressure level |
| Exhaust air transfer ratio (%) | | | 5 | .0 | | EN308: 2022/FS3 |
| Weight (kg) | | | | 10 |)8 | |

Characteristic Curves

Dimensions



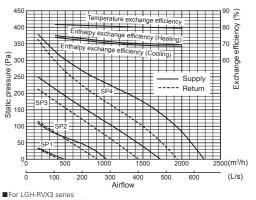
LGH-RVXT SERIES

Specifications

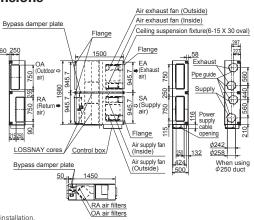
LGH-150RVXT-E

| Electrical power supply | | | | 2 | 20-240V/50H | lz, 220V/60H | Ηz | | |
|---|---------------------|--------------------------------|------|------|-------------|--------------|------|------|------|
| Ventilation mode | | Heat recovery mode Bypass mode | | | | | | | |
| Fan speed | SP4 | SP3 | SP2 | SP1 | SP4 | SP3 | SP2 | SP1 | |
| Running current (A) | | 4.30 | 2.40 | 1.10 | 0.36 | 3.40 | 1.80 | 0.77 | 0.31 |
| Input power (W) | | 792 | 421 | 176 | 48 | 625 | 334 | 134 | 37 |
| Airflow | (m ³ /h) | 1500 | 1125 | 750 | 375 | 1500 | 1125 | 750 | 375 |
| AIIIIOW | (L/s) | 417 | 313 | 208 | 104 | 417 | 313 | 208 | 104 |
| External static pressure (Pa) | Supply | 175 | 98 | 44 | 11 | 175 | 98 | 44 | 11 |
| External static pressure (r a) | Return | 100 | 56 | 25 | 6 | 100 | 56 | 25 | 6 |
| Temperature exchange efficiency (| %) | 80 | 80.5 | 81 | 81.5 | - | - | - | - |
| Enthalpy exchange efficiency (%) | Heating | 70 | 71 | 73 | 75 | - | - | - | - |
| Cooling | | 69 | 70 | 72 | 74 | - | - | - | - |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 39.5 | 35.5 | 29.5 | 22 | 39 | 33 | 26.5 | 20.5 |
| Weight (kg) | | | | | 15 | 56 | | | |

Characteristic Curves



Dimensions



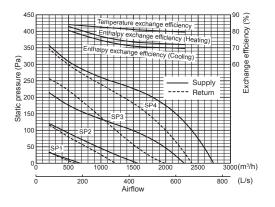
*The input power, the efficiency and the noise are based on the rating air volume, 230V/50Hz and horizontal installation. For LGH-RVXT series

FOR LOTHING Series
*Fibre running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz.
*Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.
*Specifications may be subject to change without notice.

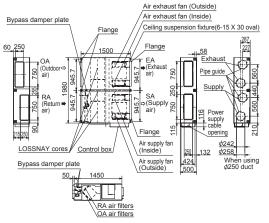
LGH-200RVXT-E

| Electrical power supply | | | | 2 | 20-240V/50H | lz, 220V/60H | lz | | |
|------------------------------------|---|--------------------------------|------|------|-------------|--------------|------|------|------|
| Ventilation mode | | Heat recovery mode Bypass mode | | | | | | | |
| Fan speed | SP4 | SP3 | SP2 | SP1 | SP4 | SP3 | SP2 | SP1 | |
| Running current (A) | 5.40 | 2.70 | 1.10 | 0.39 | 5.00 | 2.20 | 0.85 | 0.34 | |
| Input power (W) | | 1000 | 494 | 197 | 56 | 916 | 407 | 150 | 45 |
| Airflow | (m ³ /h) | 2000 | 1500 | 1000 | 500 | 2000 | 1500 | 1000 | 500 |
| Ainow | (L/s) | 556 | 417 | 278 | 139 | 556 | 417 | 278 | 139 |
| External static pressure (Pa) | Supply | 175 | 98 | 44 | 11 | 175 | 98 | 44 | 11 |
| External static pressure (r a) | Return | 100 | 56 | 25 | 6 | 100 | 56 | 25 | 6 |
| Temperature exchange efficiency (| %) | 80 | 81 | 82.5 | 84 | - | - | - | - |
| Enthalpy exchange efficiency (%) | Heating | 72.5 | 73.5 | 77 | 83 | - | - | - | - |
| Cooling | | 70 | 71 | 74.5 | 80.5 | - | - | - | - |
| Noise (dB) (Measured at 1.5m under | Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | 35.5 | 28 | 22 | 40.5 | 34.5 | 27 | 20.5 |
| Weight (kg) | | | | | 1! | 59 | | | |

Characteristic Curves



Dimensions

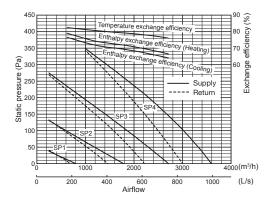


Unit: mm

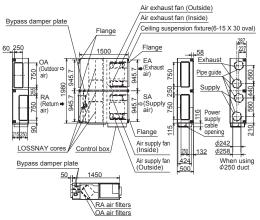
LGH-250RVXT-E

| Electrical power supply | | 220-240V/50Hz, 220V/60Hz | | | | | | | |
|---|---------------------|--------------------------|--------------------------------|------|------|------|------|------|------|
| Ventilation mode | | | Heat recovery mode Bypass mode | | | | | | |
| Fan speed | | SP4 | SP3 | SP2 | SP1 | SP4 | SP3 | SP2 | SP1 |
| Running current (A) | | 7.60 | 3.60 | 1.40 | 0.57 | 6.90 | 3.10 | 1.30 | 0.49 |
| Input power (W) | Input power (W) | | | 244 | 82 | 1298 | 587 | 212 | 69 |
| Airflow | (m ³ /h) | 2500 | 1875 | 1250 | 625 | 2500 | 1875 | 1250 | 625 |
| Aimow | (L/s) | 694 | 521 | 347 | 174 | 694 | 521 | 347 | 174 |
| External static pressure (Pa) | Supply | 175 | 98 | 44 | 11 | 175 | 98 | 44 | 11 |
| External static pressure (Fa) | Return | 100 | 56 | 25 | 6 | 100 | 56 | 25 | 6 |
| Temperature exchange efficiency (| %) | 77 | 79 | 80.5 | 82.5 | - | - | - | - |
| Enthalpy exchange efficiency (%) | Heating | 68 | 71.5 | 74 | 79 | - | - | - | - |
| Entitalpy excitatinge entitiency (78) | Cooling | 65.5 | 69 | 71.5 | 76.5 | - | - | - | - |
| Noise (dB) (Measured at 1.5m under the center of the unit in an anechoic chamber) | | | 39 | 32 | 24 | 44 | 38.5 | 31 | 22.5 |
| Weight (kg) | | 198 | | | | | | | |

Characteristic Curves



Dimensions



Unit: mm

For LGH-RVXT series
 *The running current, the input power, the efficiency and the noise are based on the rated airflow, 230V/50Hz.
 *Figures in the chart is measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.
 *Specifications may be subject to change without notice.

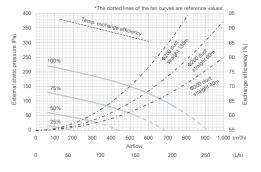
LGH-RVS SERIES

Specifications

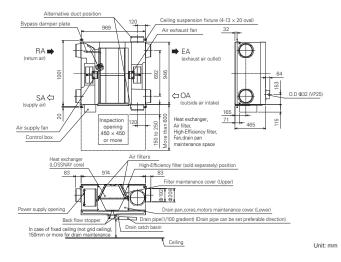
LGH-50RVS-E

| Weight | | 55kg (67kg with maximum drain water) | | | | | | |
|--------------------------------|-------------------------------------|--------------------------------------|------|------|------|--|--|--|
| Electrical power supply | | 220-240V/50Hz, 220V/60Hz | | | | | | |
| Fan speed | | 100% | 75% | 50% | 25% | Test condition | | |
| Input power (W) | t power (W) 190 110 60 25 | | | | | | | |
| Airflow | (m ³ /h) 500 375 250 125 | | | | | | | |
| AITIOW | (L/s) | 139 | 104 | 69 | 35 | ISO 16494 | | |
| Specific fan power [W/(L/s |)] | 1.37 | 1.06 | 0.86 | 0.72 | Temp. exchange efficiency is winter condition | | |
| External static pressure | Pa) | 150 | 84 | 38 | 9 | | | |
| Temperature exchange e | fficiency (%) | 87.0 | 89.0 | 91.0 | 93.0 | | | |
| Noise (dB) | | 33.0 | 27.0 | 22.0 | 18.0 | A-weighted sound pressure level @1.5m off from the center of the unit in an anechoic chamber | | |
| Exhaust air transfer ratio (%) | | 5 | | | | Tracer gas method @100% airflow (EN308) | | |

Characteristic Curves



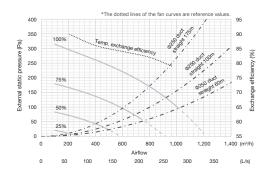
Dimensions



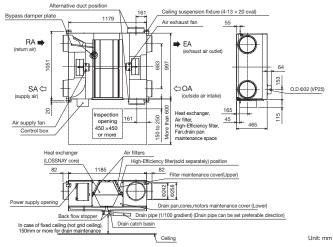
LGH-80RVS-E

| Weight | | | | | | 63kg (77kg with maximum drain water) | | |
|--------------------------------|-------------------------------------|--------------------------|------|------|------|--|--|--|
| Electrical power supply | (| 220-240V/50Hz, 220V/60Hz | | | | | | |
| Fan speed | | 100% | 75% | 50% | 25% | Test condition | | |
| Input power (W) | | 325 | 175 | 85 | 32 | | | |
| (m ³ /h) | 800 | 600 | 400 | 200 | | | | |
| Airflow (L/s) | | 222 | 167 | 111 | 56 | ISO 16494 | | |
| Specific fan power [W/ | (L/s)] | 1.46 | 1.05 | 0.77 | 0.58 | Temp. exchange efficiency is winter condition | | |
| External static pressu | ıre (Pa) | 170 | 96 | 43 | 11 | | | |
| Temperature exchang | Temperature exchange efficiency (%) | | 84.0 | 86.0 | 90.0 | | | |
| Noise (dB) | | 36.0 | 30.0 | 25.0 | 18.0 | A-weighted sound pressure level @1.5m off from the center of the unit in an anechoic chamber | | |
| Exhaust air transfer ratio (%) | | | 5 | | | Tracer gas method @100% airflow (EN308) | | |

Characteristic Curves



Dimensions



The input power, the efficiency and the noise are based on the rating airflow, and 230V/50Hz. Temperature exchange efficiency (%) is measured at indoor DB 20°C/WB15°C and

outdoor DB 5°C/WB3°C. It is measured according to ISO16494. When the indoor humidity is low and condensation in the heat exchanger does not occur, the exchange efficiency may be decreased in winter. The absolute humidity of RA shall be lower than 0.0139kg/kg (DA) in winter and relative humidity of RA shall be lower than 90% RH through the year. Example of the absolute humidity 0.0139kg/kg (DA) are 20.7°C 90% RH, 25°C 70%, 30°C 50% etc.

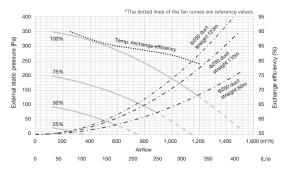
Specifications may be subject to change without notice.

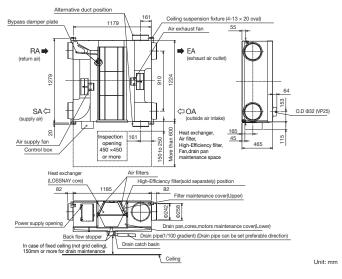
LGH-100RVS-E

| Weight | Weight | | | | | 73kg (89kg with maximum drain water) | | |
|--------------------------------|----------------|----------------|------|--------------------------|------|--|--|--|
| Electrical power supply | | | | 220-240V/50Hz, 220V/60Hz | | | | |
| Fan speed | | 100% | 75% | 50% | 25% | Test condition | | |
| Input power (W) | | 445 225 100 35 | | | | | | |
| (m ³ /h) | | 1000 | 750 | 500 | 250 | | | |
| Airflow | (L/s) | 278 | 208 | 139 | 69 | ISO 16494 | | |
| Specific fan power [W/(L/s | 5)] | 1.60 | 1.08 | 0.72 | 0.50 | Temp. exchange efficiency is winter condition | | |
| External static pressure | (Pa) | 190 | 107 | 48 | 12 | | | |
| Temperature exchange e | efficiency (%) | 82.0 | 84.0 | 86.0 | 90.0 | | | |
| Noise (dB) | | 37.0 | 32.0 | 24.0 | 18.0 | A-weighted sound pressure level @1.5m off from the center of the unit in an anechoic chamber | | |
| Exhaust air transfer ratio (%) | | | 5 | | | Tracer gas method @100% airflow (EN308) | | |

Characteristic Curves

Dimensions





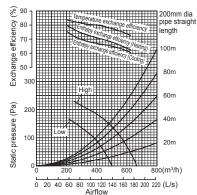
The input power, the efficiency and the noise are based on the rating airflow, and 230V/50Hz. Temperature exchange efficiency (%) is measured at indoor DB 20°C/WB15°C and outdoor DB 5°C/WB3°C. It is measured according to ISO16494.
 When the indoor humidity is low and condensation in the heat exchanger does not occur, the exchange efficiency may be decreased in winter.
 The absolute humidity of RA shall be lower than 0.0139kg/kg (DA) in winter and relative humidity of RA shall be lower than 90%RH through the year.
 Example of the absolute humidity 0.0139kg/kg (DA) are 20.7°C 90%RH, 25°C 70%, 30°C 50% etc.
 Specifications may be subject to change without notice.

GUF series **Specifications**

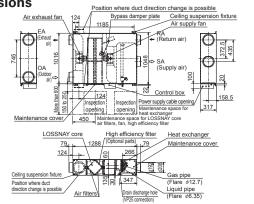
GUF-50RD4

| Electrical power supply | | | | 220-240 |)V/50Hz | | | |
|---|-----------------------|--|--------------------------------|-----------|---------|-----------|--|--|
| Ventilation mode | | | Heat recovery mode Bypass mode | | | | | |
| Fan speed | | | High Low High Low | | | | | |
| Running current (A) | | | 1.15 | 0.70 | 1.15 | 0.70 | | |
| Input power (W) | | | 235-265 | 150-165 | 235-265 | 150-165 | | |
| A C | , (m ³ /h) | | 500 | 400 | 500 | 400 | | |
| Airflow | | (L/s) | 139 | 111 | 139 | 111 | | |
| External static pressure (Pa) | ı) | | 140 | 90 | 140 | 90 | | |
| Temperature exchange efficiency (%) | | | 77.5 | 80 | - | - | | |
| E 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | Heating | 68 | 71 | - | - | | |
| Enthalpy exchange efficience | Су (%) | Cooling | 65 | 67 | - | - | | |
| Cooling capacity (kW) | | | 5.57 (1.94) | | | | | |
| Heating capacity (kW) | | | 6.21 (2.04) | | | | | |
| Capacity equivalent to the ir | indoor unit | | | P | 32 | | | |
| Hum | nidifying | | | - | - | | | |
| Humidifier Hum | nidifying cap | acity (kg/h) | | - | - | | | |
| Water supply pressure | | essure | | - | - | | | |
| Noise (dB) (Measured at | 1.5m unde | r the center of the unit in an anechoic chamber) | 33.5-34.5 | 29.5-30.5 | 35-36 | 29.5-30.5 | | |
| Weight (kg) | | | 48 | | | | | |

Characteristic Curves



Dimensions

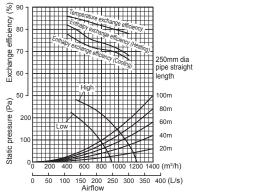


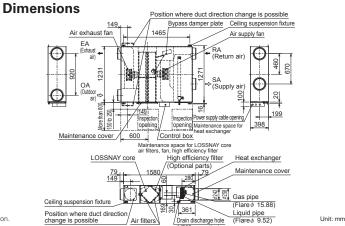
Unit: mm

GUF-100RD4

| Electrical power supp | olv | | | 220-240 |)V/50Hz | | | |
|------------------------|-------------------------------------|---|--------------------------------|---------|---------|---------|--|--|
| Ventilation mode | . , | | Heat recovery mode Bypass mode | | | s mode | | |
| Fan speed | | | High | Low | High | Low | | |
| Running current (A) | Running current (A) | | | 1.73 | 2.25 | 1.77 | | |
| Input power (W) | | | 480-505 | 370-395 | 490-515 | 385-410 | | |
| Airflow | | (m ³ /h) | 1000 | 800 | 1000 | 800 | | |
| AITIOW | | (L/s) | 278 | 222 | 278 | 222 | | |
| External static pressu | ure (Pa) | | 140 | 90 | 140 | 90 | | |
| Temperature exchang | Temperature exchange efficiency (%) | | | 81.5 | - | - | | |
| Enthalpy exchange e | fficionay (%) | Heating | 71 | 74 | - | - | | |
| Entralpy exchange e | Inciency (76) | Cooling | 69 | 71 | - | - | | |
| Cooling capacity (kW |) | | 11.44 (4.12) | | | | | |
| Heating capacity (kW | /) | | 12.56 (4.26) | | | | | |
| Capacity equivalent t | o the indoor unit | | P63 | | | | | |
| | Humidifying | | | - | - | | | |
| Humidifier | Humidifying cap | acity (kg/h) | | - | - | | | |
| | Water supply pressure | | | - | - | | | |
| Noise (dB) (Measu | red at 1.5m unde | er the center of the unit in an anechoic chamber) | 38-39 | 34-35 | 38-39 | 35-36 | | |
| Weight (kg) | | | 82 | | | | | |

Characteristic Curves





For GUF series

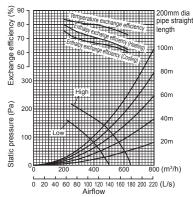
■For GUF series
Position where duct direction Cooling: Indoor: 27°C DB/19°C WB Outdoor: 35°C DB/24°C WB
Heating: Indoor: 27°C DB/13°C WB Outdoor: 7°C DB/5°C WB
Heating: Indoor: 27°C DB/13°C WB Outdoor: 7°C DB/5°C WB
The figures in (1) indicates hear recoverying capacity of heat exchange core.
*Figures in the chart are measured according to Japan Industrial Standard (JIS B 8628). Characteristic Curves are measured by chamber method.
*When the total capacity of indoor units connected to 1 outdoor units (PUHY or PURY) exceeds the capacity of the total unit, the total capacity of GUF needs to be 30% and less of the connected outdoor units connected to 1 outdoor units.
*Specifications may be subject to change without notice.



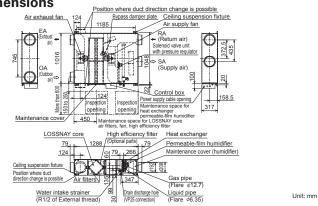


| Electrical power suppl | ly | | | 220-240 | 0V/50Hz | | |
|-------------------------|------------------|--|--------------------------------|---------------------------------|------------------------|--------------------|--|
| Ventilation mode | | | Heat recovery mode Bypass mode | | | | |
| Fan speed | | | High Low High Low | | | | |
| Running current (A) | | | 1.15 0.70 1.15 0.70 | | | | |
| Input power (W) | | | 235-265 | 150-165 | 235-265 | 150-165 | |
| Airflow | | (m ³ /h) | 500 | 400 | 500 | 400 | |
| AITIOW | | (L/s) | 139 | 111 | 139 | 111 | |
| External static pressur | re (Pa) | | 125 | 80 | 125 80 | | |
| Temperature exchange | e efficiency (%) | | 77.5 | 80 | - | - | |
| Enthalpy exchange eff | ficionov (9/) | Heating | 68 | 71 | - | - | |
| Enthalpy exchange en | liciency (%) | Cooling | 65 | 67 | - | - | |
| Cooling capacity (kW) | | | | 5.57 | (1.94) | | |
| Heating capacity (kW) | | | | 6.21 | (2.04) | | |
| Capacity equivalent to | the indoor unit | | | PC | 32 | | |
| | Humidifying | | Permeable film humidifier | | | | |
| Humidifier | Humidifying cap | acity (kg/h) | | 2.7 (he | eating) | | |
| | Water supply pr | essure | Minimum | pressure : 2.0×10^4 Pa | Maximum pressure : 49. | 0×10^4 Pa | |
| Noise (dB) (Measure | ed at 1.5m unde | r the center of the unit in an anechoic chamber) | 33.5-34.5 | 29.5-30.5 | 35-36 | 29.5-30.5 | |
| Weight (kg) | | | 51 (filled with water 55) | | | | |

Characteristic Curves



Dimensions

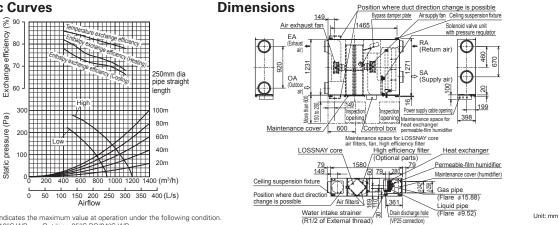


GUF-100RDH4

Small stock

| Electrical power sup | pply | | | 220-240 | 0V/50Hz | | | |
|-------------------------------------|---------------------|---|---------------------------|---------------------------------|-------------------------|------------------------|--|--|
| Ventilation mode | | | Heat recovery mode Bypas: | | | s mode | | |
| Fan speed | an speed | | | Low | High | Low | | |
| Running current (A) | Running current (A) | | | 1.76 | 2.25 | 1.77 | | |
| Input power (W) | Input power (W) | | | 385-400 | 490-515 | 385-410 | | |
| Airflow | (m ³ /h) | | 1000 | 800 | 1000 | 800 | | |
| AITTOW | | (L/s) | 278 | 222 | 278 | 222 | | |
| External static press | sure (Pa) | | 135 | 86 | 135 | 86 | | |
| Temperature exchange efficiency (%) | | | 79.5 | 81.5 | - | - | | |
| Enthalpy exchange | officionov (9/) | Heating | 71 | 74 | - | - | | |
| Entralpy exchange | efficiency (76) | Cooling | 69 | 71 | - | - | | |
| Cooling capacity (kV | √) | | 11.44 (4.12) | | | | | |
| Heating capacity (k) | N) | | 12.56 (4.26) | | | | | |
| Capacity equivalent | to the indoor unit | | | P6 | 33 | | | |
| | Humidifying | | | Permeable fil | m humidifier | | | |
| Humidifier | Humidifying cap | bacity (kg/h) | | 5.4 (he | eating) | | | |
| | Water supply pr | ressure | Minimum | pressure : 2.0×10^4 Pa | Maximum pressure : 49.0 | 0 × 10 ⁴ Pa | | |
| Noise (dB) (Meas | ured at 1.5m unde | er the center of the unit in an anechoic chamber) | 38-39 | 34-35 | 38-39 | 35-36 | | |
| Weight (kg) | | | 88 (filled with water 96) | | | | | |

Characteristic Curves



For GUF series

For GUF series

Vater intake strainer

Water intake strainer

Water

CONTROL TECHNOLOGIES

| PZ-62DR-EA/EB | PZ-43SMF-E | Language | -EA | -EB |
|--|--------------|------------|-----|-----|
| | | English | | |
| A KERRE LOUVE | | German | | |
| Constant 12:00 Surg | Arme | Spanish | | |
| the sk O (2007) so β Androon Simon Sin Sin Sin Sin Sin Sin Sin Sin Sin Si | | French | | |
| 55" = :300 100 1000 cm | | Italian | | |
| | ≫ | Russian | | |
| | TIMER FLITER | Portuguese | | |
| | | Swedish | | |
| | | Dutch | | |
| . 120 | | Turkish | | |
| | | Polish | | |
| | | Greek | | |
| | | Czech | | |
| | | Hungarian | | |
| | | Slovenian | | |
| | | Bulgarian | | |
| | | Danish | | |

Unit (mm)

• Danish

Compatibility Table

Unit (mm)

| | Remote Controller Co | ompatibility Table | | |
|--|--|---|-----------------------------|--|
| Model name | PZ-62DR-6 | EA/EB | PZ-43SMF-E | |
| Compatible series | LGH-RVX3/RVS | LGH-RVXT | LGH-RVX3/RVXT/RVS | |
| Fan speed selection | 4 fan speeds and Auto (Auto is available when using a CO2 sensor) | 4 fan speeds | 2 of 4 fan speeds | |
| Control with a CO2 sensor (Mitsubishi Electric) | Yes (Fan speed automatically changes from 25% to 100% depending on the CO ₂ concentration*) | No | No | |
| Control with a CO2 sensor (field supply) | Yes Yes (Fan speed automatically changes from 25% to 100% depending on the CO2 concentration*) (Fan speed automatically changes between 4 levels depending on the CO2 concentration) | | No | |
| Ventilation mode selection | Energy recovery/Bypass/Auto | Energy recovery/Bypass/Auto | Energy recovery/Bypass/Auto | |
| Night purge | Yes | Yes | No | |
| Function setting from remote controller | Yes | Yes | No | |
| Bypass temp. free setting | Yes | Yes (Set in Function setting menu) | No | |
| Flexible airflow setting | Yes (Both supply and exhaust fan speeds can be set separately from 25% to 100% in 5% pitches) | No | No | |
| ON/OFF timer | Yes | Yes | Yes | |
| Auto-off timer | Yes | Yes | No | |
| Weekly timer | Yes | Yes | No | |
| Fan speed timer | Yes | Yes | No | |
| Operation restrictions (ON/OFF, ventilation mode, fan speed) | Yes | Yes | No | |
| Operation restrictions (fan speed skip setting) | Yes | Yes | No | |
| Screen contrast adjustment | Yes | Yes | No | |
| Language selection | Yes (17 languages) | Yes (17 languages) | No (English only) | |
| CO ₂ concentration indication | Yes (available when using a Mitsubishi Electric CO ₂ sensor) | No | No | |
| Filter cleaning sign | Yes (Maintenance interval can be changed) | Yes | Yes | |
| LOSSNAY core cleaning sign | Yes/No (RVS series) | Yes | No | |
| Error indication | Yes (Displays model name, serial number, contact information) | Yes (Displays model name, serial number, contact information) | Yes | |
| Error history | Yes | Yes | No | |
| OA/RA/SA temp. display | Yes | Yes | No | |

*When using a CO2 sensor. Upper and lower limits may differ

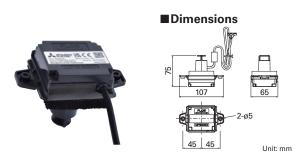
CO₂ Sensors

A CO2 Sensor connected directly to a LOSSNAY RVX3 and RVS unit optimizes the fan speed according to the detected CO2 level.

Duct-mounted type

PZ-70CSD-E

Equipped to the duct with all wiring hideen in the ceiling.



Vertical Installation Plate

PZ-1VS-E, PZ-2VS-E

Parts needed to install RVX3 vertically.

■Dimensions

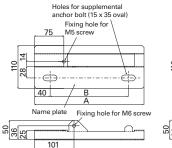
| | | | | 01111 |
|----------|-----|-----|-------------|--------------------|
| | А | В | Weight (kg) | Applicable model |
| PZ-1VS-E | 280 | 200 | 1.2 | LGH15 to 50RVX3-E |
| PZ-2VS-E | 380 | 300 | 1.6 | LGH65 to 100RVX3-E |



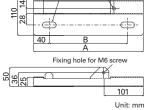
75

EA side plate

RA side plate



Holes for supplemental anchor bolt (15 x 35 oval) Fixing hole for M5 screw

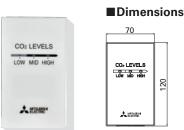


Unit[,] mm

Wall-mounted type

PZ-70CSW-E

Installed on the wall. CO2 Level can be monitored in 3 levels.





Unit: mm

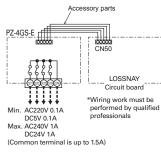
Signal Output Terminal

PZ-4GS-E

PCB of RVX3 and RVS has only 1 output terminal. By using PZ-4GS-E, it allows to add 4 more output terminals can be added to RVX3 and RVS.



■Wiring diagram

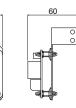


Dimensions

โก

53

86

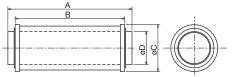


Unit: mm

Duct Silencer

The duct silencer connects to the LOSSNAY unit to reduce airflow noise. Four sizes are available to cover a wide range of duct sizes.

Dimensions



| | | | | | | 0 |
|------------|-----|-----|-----|-----|-----------------|-------------|
| Model | А | В | С | D | Connecting duct | Weight (kg) |
| PZ-100SS-E | 450 | 400 | 152 | 99 | ø100 | 1.9 |
| PZ-150SS-E | 560 | 500 | 202 | 149 | ø150 | 3.5 |
| PZ-200SS-E | 660 | 600 | 252 | 199 | ø200 | 5.3 |
| PZ-250SS-E | 660 | 600 | 332 | 249 | ø250 | 8.9 |

Specifications

| <u> </u> | | | | | | | | | | | | | |
|------------|---------------------|---------|------------|----------|------------|-------------|------------|-----------|---------|--|--|--|--|
| Model | Airflow | Attenua | tion of so | ound pow | er level [| dB] for cer | nter frequ | ency (dis | charge) | | | | |
| woder | [m ³ /h] | 62.5Hz | 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz | 8000Hz | | | | |
| PZ-100SS-E | 50 | 0 | 3 | 5 | 7 | 6 | 6 | 6 | 8 | | | | |
| FZ-10033-E | 150 | 0 | 3 | 6 | 7 | 7 | 7 | 7 | 9 | | | | |
| PZ-150SS-E | 250 | 0 | 1 | 5 | 8 | 15 | 21 | 20 | 14 | | | | |
| PZ-15055-E | 350 | 0 | 1 | 4 | 8 | 14 | 21 | 21 | 16 | | | | |
| PZ-200SS-E | 500 | 0 | 1 | 4 | 7 | 13 | 18 | 16 | 9 | | | | |
| FZ-20033-E | 650 | 0 | 1 | 3 | 8 | 12 | 17 | 14 | 6 | | | | |
| PZ-250SS-E | 800 | 0 | 2 | 4 | 12 | 22 | 21 | 14 | 13 | | | | |
| FZ-20055-E | 1000 | 0 | 1 | 4 | 12 | 22 | 20 | 14 | 13 | | | | |

1. Figures on the chart above are based on the comparison with a general steel duct of the same length.

The silencer is placed on just before the outlet during the measurement.
 When the airflow rate differs, the insertion loss is also different from the chart above.
 Figures on the chart above are flat (No-weighted) values.

Lineup and Classification

| LC | DSSNAY | | | - | Filter | | | | |
|-----------------|---------------------|---------------------|---|-------------|----------------------|---------------------------------|---------|--|--|
| | | | | | | Classification | | | |
| Model | Fil | ter | Name | Model | Material | | EN 779: | | |
| | Standard Setting | Optional Setting | | | | ISO 16890: 2016 | 2012 | | |
| | • | | Replacement filter (Coarse 60% filter) | PZ-**RF3-E | Non-woven fabric | Coarse 60% | - | | |
| | | • | Advanced high-efficiency filter (ePM1 75% filter) | PZ-**RFP3-E | Synthetic fiber | ePM1 75%, ePM2.5 80%, ePM10 95% | - | | |
| LGH-RVX3 Series | | •*1 | High-efficiency filter (M6 filter) | PZ-**RFM3-E | Synthetic fiber | - | M6 | | |
| LGH-RVX3 Series | | •*1 | Advanced high-efficiency filter (F8 filter) | PZ-**RFH3-E | Synthetic fiber | - | F8 | | |
| | • | | Replacement filter (Coarse 50% filter) | PZ-**RTF-E | Non-woven fabric | Coarse 50% | G3 | | |
| | | • | Advanced high-efficiency filter (M6 filter) | PZ-M6RTFM-E | Non-woven fabric | ePM10 75% | M6 | | |
| | | • | Advanced high-efficiency filter (F8 filter) | PZ-F8RTFM-E | Non-woven fabric | ePM1 65% | F8 | | |
| LGH-RVXT Series | | •*1 | Advanced high-efficiency filter (M6 filter) | PZ-M6TDF-E | Non-woven fabric | - | M6 | | |
| | | •*1 | Advanced high-efficiency filter (F8 filter) | PZ-F8TDF-E | Non-woven fabric | - | F8 | | |
| | • | | Replacement filter (Coarse 50% filter) | PZ-S**RF-E | Non-woven fabric | Coarse 50% | G3 | | |
| | | • | High-efficiency filter (ePM10 80% filter) | PZ-S**RFM-E | Synthetic fiber | ePM10 80% | M6 | | |
| LGH-RVS Series | | • | Advanced high-efficiency filter (ePM1 65% filter) | PZ-S**RFH-E | Synthetic fiber | ePM1 65%, ePM2.5 75%, ePM10 90% | F8 | | |
| | • | | Replacement filter (Coarse 35%filter) | PZ-**RF8-E | Non-woven fabric | Coarse 35% | G3 | | |
| | | • | High-efficiency filter (ePM10 75%) | PZ-**RFM-E | Noncombustible fiber | ePM10 75% | - | | |
| GUF Series | | • | Advanced high-efficiency filter (ePM1 75%) | PZ-**RFP2-E | Synthetic fiber | ePM1 75%, ePM2.5 80%, ePM10 95% | - | | |

*1: Designed for Spanish market to apply RITE (Regulation of Thermal Installations of Buildings)

For LGH-RVX3 Series

| | Filter | | | | | | | | Installation location | | | | | | |
|-----------------------------------|--------------|------------------|------|------------|------|------------|---|-----------------------|-----------------------|---|--------|------------|-----|--|--|
| lman | Madal | | Din | nension (r | nm) | Pieces in | 1 | Package number for | | N | umbers | s of filte | ers | | |
| Image | Model | Applicable model | L | W | Н | one pakage | | replacement | | | OA | RA | SA | | |
| Replacement filter | PZ-15RF3-E | LGH-15RVX3-E | 549 | 125 | 20 | 2 | 1 | 1 | | 2 | 1 | 1 | - | | |
| (Coarse 60% filter) | PZ-25RF3-E | LGH-25RVX3-E | 654 | 151 | 15 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | - | | |
| | PZ-35RF3-E | LGH-35RVX3-E | 784 | 178 | 15 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | - | | |
| | PZ-50RF3-E | LGH-50RVX3-E | 926 | 178 | 15 | 2 | 1 | 1 | | 2 | 1 | 1 | - | | |
| | PZ-65RF3-E | LGH-65RVX3-E | 852 | 213 | 15 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | - | | |
| | D7 00050 5 | LGH-80RVX3-E | | | 45 | | | 1 | | 2 | 1 | 1 | - | | |
| | PZ-80RF3-E | LGH-160RVX3-E | 890 | 238 | 15 | 2 | | 2 | | 4 | 2 | 2 | - | | |
| | | LGH-100RVX3-E | | | | - | 1 | 1 | | 2 | 1 | 1 | - | | |
| | PZ-100RF3-E | LGH-200RVX3-E | 1117 | 238 | 15 | 2 | | 2 | 1 | 4 | 2 | 2 | - | | |
| Advanced high-efficiency filter | PZ-15RFP3-E | LGH-15RVX3-E | 542 | 104.5 | 25 | 1 | 1 | 1 | 1 | 1 | - | - | 1 | | |
| (ePM1 75% filter) | PZ-25RFP3-E | LGH-25RVX3-E | 322 | 128.5 | 25 | 2 | 1 | 1 | ĺ | 2 | - | - | 2 | | |
| | PZ-35RFP3-E | LGH-35RVX3-E | 390 | 158.5 | 25 | 2 | 1 | 1 | | 2 | - | - | 2 | | |
| | PZ-50RFP3-E | LGH-50RVX3-E | 461 | 158.5 | 25 | 2 | 1 | 1 | ĺ | 2 | - | - | 2 | | |
| | PZ-65RFP3-E | LGH-65RVX3-E | 423 | 197.5 | 25 | 2 | 1 | 1 | ĺ | 2 | - | - | 2 | | |
| | | LGH-80RVX3-E | | | | _ | 1 | 1 | | 2 | - | - | 2 | | |
| | PZ-80RFP3-E | LGH-160RVX3-E | 442 | 215.5 | 25 | 2 | | 2 | | 4 | - | - | 4 | | |
| ~ | | LGH-100RVX3-E | | | | | | 1 | | 2 | - | - | 2 | | |
| | PZ-100RFP3-E | LGH-200RVX3-E | 554 | 215.5 | 25 | 2 | | 2 | | 4 | - | - | 4 | | |
| High-efficiency filter*2 | PZ-15RFM3-E | LGH-15RVX3-E | 542 | 125 | 13 | 1 | 1 | 1 | ĺ | 1 | 1 | - | - | | |
| (M6 filter) | PZ-25RFM3-E | LGH-25RVX3-E | 322 | 151 | 13 | 2 | 1 | 1 | | 2 | 2 | - | - | | |
| | PZ-35RFM3-E | LGH-35RVX3-E | 390 | 178 | 13 | 2 | 1 | 1 | | 2 | 2 | - | - | | |
| | PZ-50RFM3-E | LGH-50RVX3-E | 461 | 178 | 13 | 2 | 1 | 1 | ĺ | 2 | 2 | - | - | | |
| | PZ-65RFM3-E | LGH-65RVX3-E | 423 | 213 | 13 | 2 | 1 | 1 | | 2 | 2 | - | - | | |
| | | LGH-80RVX3-E | | | | - | 1 | 1 | | 2 | 2 | - | - | | |
| | PZ-80RFM3-E | LGH-160RVX3-E | 442 | 238 | 13 | 2 | | 2 | ĺ | 4 | 4 | - | - | | |
| \sim | | LGH-100RVX3-E | | | | - | 1 | 1 | | 2 | 2 | - | - | | |
| | PZ-100RFM3-E | LGH-200RVX3-E | 554 | 238 | 13 | 2 | | 2 | | 4 | 4 | - | - | | |
| Advanced high-efficiency filter*2 | PZ-15RFH3-E | LGH-15RVX3-E | 542 | 104.5 | 25 | 1 | 1 | 1 | | 1 | - | - | 1 | | |
| (F8 filter) | PZ-25RFH3-E | LGH-25RVX3-E | 322 | 128.5 | 25 | 2 | 1 | 1 | 1 | 2 | - | - | 2 | | |
| | PZ-35RFH3-E | LGH-35RVX3-E | 390 | 158.5 | 25 | 2 | 1 | 1 | | 2 | - | - | 2 | | |
| | PZ-50RFH3-E | LGH-50RVX3-E | 461 | 158.5 | 25 | 2 | 1 | 1 | 1 | 2 | - | - | 2 | | |
| | PZ-65RFH3-E | LGH-65RVX3-E | 423 | 197.5 | 25 | 2 | 1 | 1 | | 2 | - | - | 2 | | |
| | | LGH-80RVX3-E | | 045.5 | 0.5 | | 1 | 1 | | 2 | - | - | 2 | | |
| | PZ-80RFH3-E | LGH-160RVX3-E | 442 | 215.5 | 25 | 2 | | 2 | 1 | 4 | - | - | 4 | | |
| | | LGH-100RVX3-E | | 045.5 | 0.5 | | 1 | 1 | | 2 | - | - | 2 | | |
| | PZ-100RFH3-E | LGH-200RVX3-E | 554 | 215.5 | 5 25 | 2 | | 2 | | 4 | _ | - | 4 | | |

*2: Designed for Spanish market to apply RITE (Regulation of Thermal Installations of Buildings)

For LGH-RVXT Series

| | | Filter | | | | | Package | Package | | | Installation location | | | | |
|--|-------------|---|-----|------------|-----|------------|-------------|---------|---|--------|-----------------------|----|--|--|--|
| Image | Model | | Dim | nension (r | nm) | Pieces in | number for | | N | umbers | of filte | rs | | | |
| inage | IVIOUEI | Applicable model | L | W | Н | one pakage | replacement | | | ОА | RA | SA | | | |
| Replacement filter | PZ-150RTF-E | LGH-150RVXT-E | 655 | 290 | - | 2 | 1 | | 4 | 2 | - | - | | | |
| (Coarse 50% filter) | FZ-150N1F-E | | 655 | 250 | - | 2 | 1 | | 4 | - | 2 | - | | | |
| | PZ-250RTF-E | LGH-200RVXT-E, | 985 | 290 | - | 2 | 1 | | 4 | 2 | - | - | | | |
| | FZ-250h1F-E | LGH-250RVXT-E | 985 | 250 | - | 2 | 1 | | 4 | - | 2 | - | | | |
| Advanced high-efficiency filter (M6 filter) | PZ-M6RTFM-E | LGH-150RVXT-E, LGH-200RVXT-E, LGH-250RVXT-E | 659 | 223 | 65 | 3 | 1 | | 3 | - | - | 3 | | | |
| Advanced high-efficiency filter (F8 filter) | PZ-F8RTFM-E | LGH-150RVXT-E, LGH-200RVXT-E, LGH-250RVXT-E | 659 | 223 | 65 | 3 | 1 | • | 3 | _ | _ | 3 | | | |
| Advanced high-efficiency filter*3 (M6 filter) | PZ-M6TDF-E | LGH-150RVXT-E, LGH-200RVXT-E, LGH-250RVXT-E | 659 | 223 | 27 | 3 | 1 | | 3 | - | _ | 3 | | | |
| Advanced high-efficiency filter*3 (F8 filter) | PZ-F8TDF-E | LGH-150RVXT-E, LGH-200RVXT-E, LGH-250RVXT-E | 659 | 223 | 27 | 3 | 1 | | 3 | - | _ | 3 | | | |

*3: Designed for Spanish market to apply RITE (Regulation of Thermal Installations of Buildings)

For LGH-RVS Series

| | | Filter | | | | | |
|--|--------------|------------------|------|------------|-----|------------|--|
| Image | Model | | Din | nension (r | nm) | Pieces in | |
| image | Iviouei | Applicable model | L | W | Н | one pakage | |
| Replacement filter (Coarse 50% filter) | PZ-S50RF-E | LGH-50RVS-E | 845 | 195 | 15 | 2 | |
| (coarse 50 /a filter) | PZ-S80RF-E | LGH-80RVS-E | 885 | 195 | 15 | 2 | |
| | PZ-S100RF-E | LGH-100RVS-E | 1112 | 195 | 15 | 2 | |
| High-efficiency filter (ePM10 80% filter) | PZ-S50RFM-E | LGH-50RVS-E | 422 | 195 | 15 | 2 | |
| (erwite 80 % litter) | PZ-S80RFM-E | LGH-80RVS-E | 442 | 195 | 15 | 2 | |
| | PZ-S100RFM-E | LGH-100RVS-E | 556 | 195 | 15 | 2 | |
| Advanced high-efficiency filter (ePM1 65% filter) | PZ-S50RFH-E | LGH-50RVS-E | 412 | 203 | 25 | 2 | |
| (er wir 65 % linter) | PZ-S80RFH-E | LGH-80RVS-E | 432 | 203 | 25 | 2 | |
| | PZ-S100RFH-E | LGH-100RVS-E | 546 | 203 | 25 | 2 | |

| Package | Ins | stallatio | n locati | on |
|-------------|-----|-----------|----------|----|
| number for | N | umbers | of filte | rs |
| replacement | | OA | RA | SA |
| 1 | 2 | 1 | 1 | - |
| 1 | 2 | 1 | 1 | - |
| 1 | 2 | 1 | 1 | - |
| 1 | 2 | 2 | - | - |
| 1 | 2 | 2 | - | - |
| 1 | 2 | 2 | - | - |
| 1 | 2 | 2 | - | - |
| 1 | 2 | 2 | - | - |
| 1 | 2 | 2 | - | - |

For GUF Series

| | - | Filter | | | | |] | Package | Installation location | | | | | |
|--|--------------|---------------------------|--------------------------|-----|----|------------|------------|-------------|-----------------------|----------|----|----|--|--|
| Imaga | Model | | Dimension (mm) Pieces in | | | 1 | number for | N | umbers | of filte | rs | | | |
| Image | woder | Applicable model | L | W | Н | one pakage | | replacement | | OA | RA | SA | | |
| Replacement filter (Coarse 35% filter) | PZ-50RF8-E | GUF-50RD4 GUF-50RDH4 | 470 | 183 | 15 | 4 | | 1 | 4 | 2 | 2 | - | | |
| | PZ-100RF8-E | GUF-100RD4 GUF-100RDH4 | 565 | 243 | 15 | 4 | | 1 | 4 | 2 | 2 | - | | |
| High-efficiency filter (ePM10 75% filter) | PZ-50RFM-E | GUF-50RD4 GUF-50RDH4 | 464 | 175 | 25 | 2 | | 1 | 2 | - | - | 2 | | |
| | PZ-100RFM-E | GUF-100RD4 GUF-100RDH4 | 559 | 236 | 25 | 2 | | 1 | 2 | - | - | 2 | | |
| | PZ-50FRP2-E | GUF-50RD4 GUF-50RDH4 | 464 | 175 | 25 | 2 | | 1 | 2 | - | - | 2 | | |
| | PZ-100FRP2-E | GUF-100RD4 GUF-100RDH4 | 559 | 236 | 25 | 2 | | 1 | 2 | - | - | 2 | | |

*Specifications may be subject to change without notice.

VL-CZPVU SERIES

Vertical-type centralized ventilation with sensible heat exchange for residential use.

VL-250CZPVU-R/L-E VL-350CZPVU-R/L-E VL-500CZPVU-R/L-E

Key Features



Quiet Operation

Noise is one of the most common concerns for residential ventilation. Ultra quiet operation is achieved with the sirocco fan designed by Mitsubishi Electric. The balance between airflow and static pressure is optimized and the fan rotation is minimized, leading to low noise levels.

Air Purification

An optional filter removes NOx and PM2.5 and improves indoor air quality. They can be incorporated inside the unit without any filter box, which saves space.

*NOx: Nitrogen oxide, which includes nitric oxide (NO) and nitrogen dioxide (NO2). *PM2.5: Airborne particulates that are 2.5µm or smaller in size.

Wi-Fi Control

MELCloud is a Cloud-based solution for controlling LOSSNAY units either locally or remotely by computer, tablet or smartphone via the Internet. It allows LOSSNAY operations to be checked and controlled via MELCloud from virtually anywhere and Internet connection is available. With MELCloud, the LOSSNAY system can be used much more easily and conveniently.

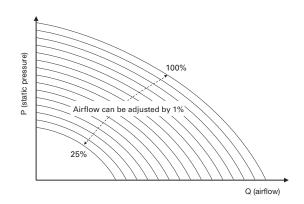
Energy Efficiency

Under regulation (EU) No. 1254/2014, the VL-CZPVU series has the highest energy-saving performance in its class (ErP A⁺). It saves heating and cooling costs by minimizing the energy loss that occurs during ventilation.

ErP A⁺ A⁺

Variable Airflow Control

The default fan speed value (Fan speed 1: 30%, Fan speed 2: 50%, Fan speed 3: 70%, and Fan speed 4: 100%) of both supply air and exhaust air can be adjusted flexibly. Within the range between 25% and 100%, airflow can be adjusted by 1% increments to satisfactorily meet the designed airflow rate.





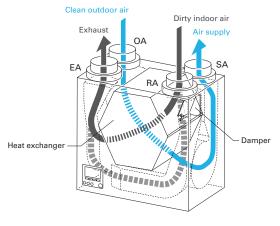
External Airflow Control

The airflow from the LOSSNAY unit can be altered using 0-10V signals from the controllers, such as the humidity stat and CO₂ sensor (field supply). The LOSSNAY unit is also connected to the light switch which can boost operation mode (input 220-240V). These devices are connected directly to the LOSSNAY unit, allowing automatic fan speed control according to bathroom occupation, CO₂ level, and humidity level.



Automatic Bypass Mode

It is possible to switch between "LOSSNAY ventilation (with heat exchange)" and "Bypass ventilation (without heat exchange)" either manually or automatically. When outside air is cooler than indoor air in summer, the unit directly draws in outside air, bypassing the heat exchanger.



* The figure shows VL-350CZPVU-L-E

Wide Operating Temperature

The VL-CZPVU series can operate at temperatures down to -15°C. With a pre-heater, it can operate at temperatures down to -25°C. * In areas where outdoor air falls below -20°C, an electric shutter (locally supplied) is required in the OA duct in addition to the pre-heater.

* The OA temperature must be higher than -15°C to use the pre-heater.

MELCloud for LOSSNAY

MELCloud enables fast, easy remote control and monitoring of LOSSNAY units. Wireless computer connectivity and an Internet-connected mobile or fixed terminal are all that are needed. MELCloud can also be used to control room air conditioners and Ecodan heat pumps simultaneously.

Key control and monitoring features

- 1. Turn system on/off
- 2. Switching airflow & operating mode (Heat recovery / Bypass)
- 3. Confirming the status of the filter/core (Maintenance notification)



VL-CZPVU SERIES

Specifications

VL-250CZPVU-R/L-E

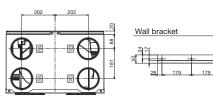
| | | 220-240V/50H | z, 220V-/60Hz | | | | |
|---------------------|-----------------------------|--|---|---|--|--|--|
| | | Heat recov | very mode | | | | |
| | FS4 (100%) | FS3 (70%) | FS2 (50%) | FS1 (30%) | | | |
| | 0.76 | 0.35 | 0.20 | 0.12 | | | |
| Input power (W) | | | 23 | 11 | | | |
| (m ³ /h) | 250 | 175 | 125 | 75 | | | |
| (L/s) | 69 | 49 | 35 | 21 | | | |
|) | 150 | 150 74 38 | | | | | |
| iency (%) | 85 | 87 | 88 | 90 | | | |
| | 31 | 22 | 16 | 15 > | | | |
| | | A | .+ | | | | |
| | 26 | | | | | | |
| | (H) 565 x (W) 595 x (D) 356 | | | | | | |
| | <u> </u> | 0.76 106 (m³/h) 250 (L/s) 69 150 iency (%) 85 | FS4 (100%) FS3 (70%) 0.76 0.35 106 44 (m³/h) 250 175 (L/s) 69 49 150 74 iency (%) 85 87 31 22 A 2 | 0.76 0.35 0.20 106 44 23 (m³/h) 250 175 125 (L/s) 69 49 35 1150 74 38 iency (%) 85 87 88 31 22 16 A+ 26 | | | |

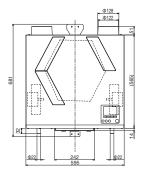
Attention

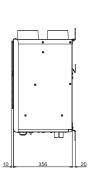
Attention
 The above values are at factory default.
 The above values are at factory default.
 The running current, the input power, the efficiency and the noise are based on the rating airflow, and 230V/50Hz.
 The sound pressure level at 3m is spherical.
 Temperature exchange efficiency (%) is based on winter condition.
 Mitsubishi Electric measures figures in the chart according to EN13141-7: 2010, and the characteristic curves are measured by chamber method.
 Specifications may be subject to change without notice.

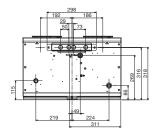
Dimensions

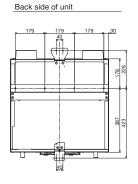
VL-250CZPVU-R-E









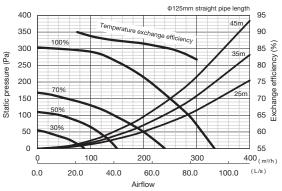


Unit: mm

15

179

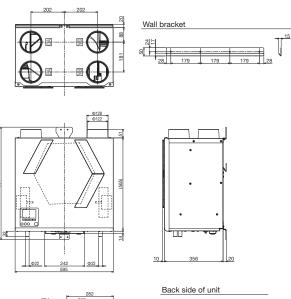
Characteristic Curves

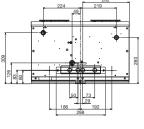


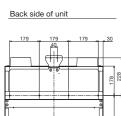
Attention

Mitsubishi Electric measures figures in the chart according to EN13141-7: 2010, and the characteristic curves are measured by chamber method.

VL-250CZPVU-L-E







Unit: mm

87

VL-350CZPVU-R/L-E

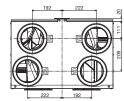
| Electrical power supply | | | 220-240V/50H | z, 220V-/60Hz | | | | | |
|-------------------------------|-----------|-----------------------------|--------------|---------------|-----------|--|--|--|--|
| Ventilation mode | | Heat recovery mode | | | | | | | |
| Fan speed | | FS4 (100%) | FS3 (70%) | FS2 (50%) | FS1 (30%) | | | | |
| Running current (A) | | 1.08 | 0.52 | 0.31 | 0.18 | | | | |
| Input power (W) | 155 | 71 | 37 | 19 | | | | | |
| Airflow | (m³/h) | 320 | 224 | 160 | 96 | | | | |
| AITIOW | (L/s) | 89 | 62 | 44 | 27 | | | | |
| External static pressure (Pa) | | 150 | 74 | 38 | 14 | | | | |
| Temperature exchange effic | iency (%) | 85 | 87 | 88 | 90 | | | | |
| Noise level (dB) | | 35 | 26 | 19 | 15> | | | | |
| Energy efficiency class | | A+ | | | | | | | |
| Weight (kg) | | 32 | | | | | | | |
| Dimensions (mm) | | (H) 623 × (W) 658 × (D) 432 | | | | | | | |

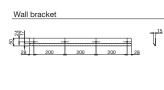
Attention

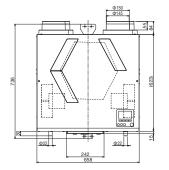
Attention
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 The sound pressure level at 3m is spherical.
 Temperature exchange efficiency (%) is based on winter condition.
 Misubishi Electric measures figures in the chart according to EN13141-7: 2010, and the characteristic curves are
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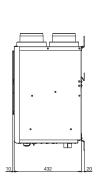
Dimensions

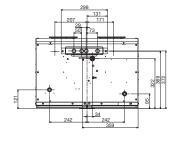
VL-350CZPVU-R-E

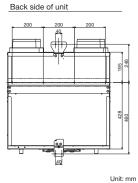




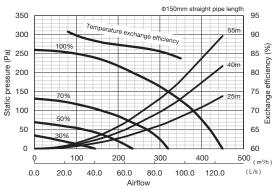








Characteristic Curves

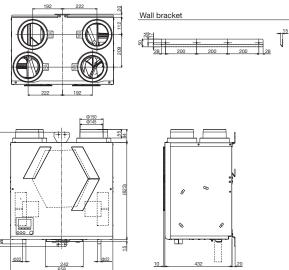


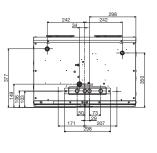
Attention

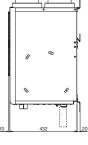
Mitsubishi Electric measures figures in the chart according to EN13141-7: 2010, and the characteristic curves are measured by chamber method.

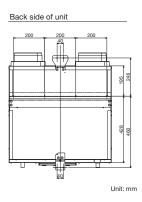
VL-350CZPVU-L-E

8









VL-500CZPVU-R/L-E

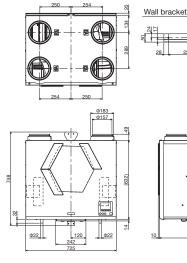
| Electrical power supply | | | 220-240V/50H | z, 220V-/60Hz | | | | | |
|-------------------------------|---------------------|-----------------------------|--------------|---------------|-----------|--|--|--|--|
| Ventilation mode | | Heat recovery mode | | | | | | | |
| Fan speed | | FS4 (100%) | FS3 (70%) | FS2 (50%) | FS1 (30%) | | | | |
| Running current (A) | | 1.73 | 0.77 | 0.40 | 0.19 | | | | |
| Input power (W) | 275 | 104 | 49 | 21 | | | | | |
| A: () | (m ³ /h) | 500 | 350 | 250 | 150 | | | | |
| Airflow | (L/s) | 139 | 97 | 69 | 42 | | | | |
| External static pressure (Pa) |) | 200 | 98 | 50 | 18 | | | | |
| Temperature exchange effic | iency (%) | 85 | 87 | 89 | 92 | | | | |
| Noise level (dB) | | 37 | 29 | 22 | 15> | | | | |
| Energy efficiency class | | | A | .+ | | | | | |
| Weight (kg) | | 39 | | | | | | | |
| Dimensions (mm) | | (H) 632 × (W) 725 × (D) 556 | | | | | | | |

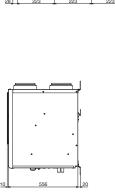
Attention

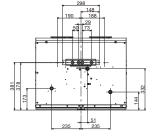
Attention
 The above values are at factory default.
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 The sound pressure level at 3m is spherical.
 Temperature exchange efficiency (%) is based on winter condition.
 Misubishi Electric measures figures in the chart according to EN13141-7: 2010, and the characteristic curves are measured by chamber method.
 Specifications may be subject to change without notice.

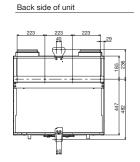
Dimensions

VL-500CZPVU-R-E

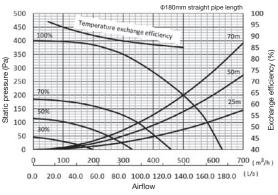










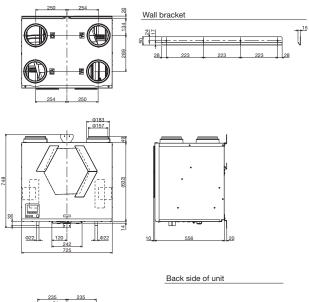


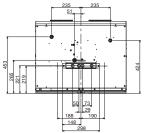
Attention

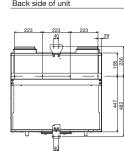
Mitsubishi Electric measures figures in the chart according to EN13141-7: 2010, and the characteristic curves are measured by chamber method.

VL-500CZPVU-L-E

T¹⁵







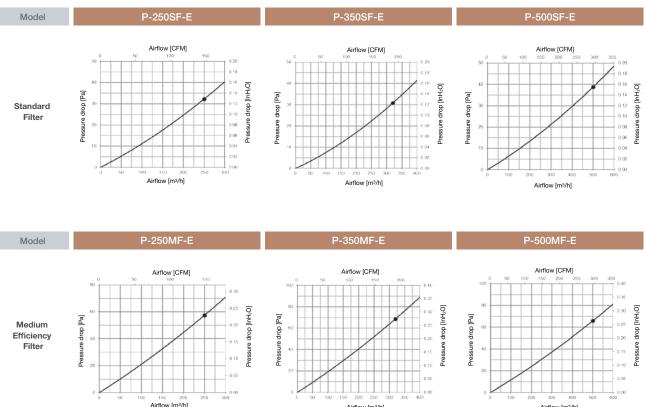
Unit: mm

Filters

| Тур | e | Replacement filter | Standard filter | Medium efficiency filter | Advanced efficiency filter | Advanced high efficiency filter | NOx Filter |
|----------------|--|----------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|-------------------------------------|
| | | | | | | | |
| Moc | lel | P-250F-E P-350F-E P-500F-E | P-250SF-E P-350SF-E P-500SF-E | P-250MF-E P-350MF-E P-500MF-E | P-250PF-E P-350PF-E P-500PF-E | P-250PFH-E P-350PFH-E P-500PFH-E | P-250NF-E P-350NF-E P-500NF-E |
| Classification | EN779 (2012) ISO 16890 (2016) | G3 Coarse 55% | G4 Coarse 90% | M6 ePM10 80% | M6 ePM2.5 50% | ePM1 55% | NO ₂ 90% |

Pressure loss characteristics

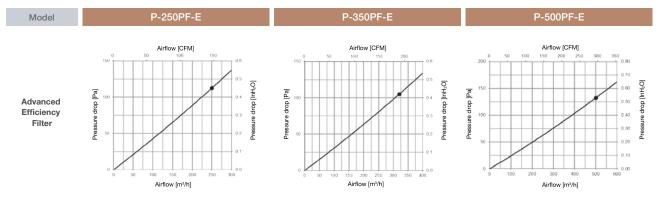
Airflow [m3/h]

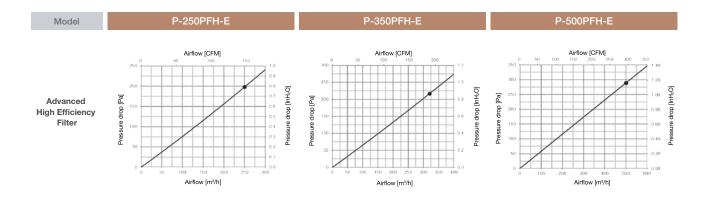


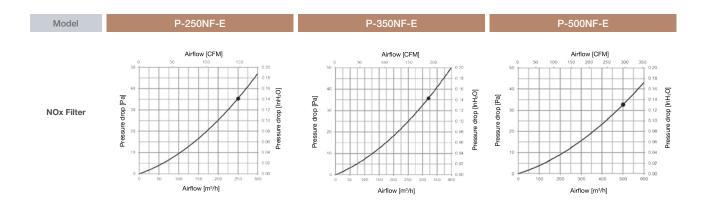
Airflow [m3/h]

Airflow [m³/h]

Pressure loss characteristics







Silencer Box

P-250/350/500SB-E

Noise level can be further decreased by using a silencer box.



P-250SB-E



Installation Image

Model

Attenuation of sound power level for center frequency

| Airflow Static pressure Point Attenuation of sound power level for center frequency H | | | | | | | | | | Hz (dB) | |
|---|-----|------|-------------------|----|-----|-----|-----|------|------|---------|------|
| (, | , | (Pa) | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| | 175 | 74 | Outlet (SA/EA) | 9 | 7 | 11 | 19 | 29 | 28 | 21 | 13 |

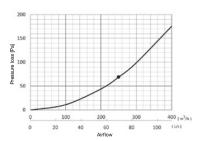
1. Figures in the chart above are measured by Mitsubishi Electric.

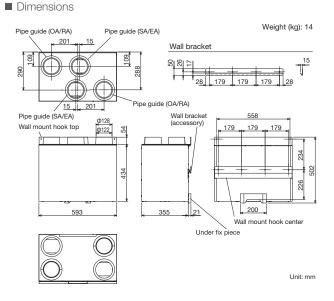
2. The silencer box is placed just after the outlet of the LOSSNAY unit as specified in the Installation Manual.

3. When airflow differs, attenuation may also differ from the chart above.

Pressure loss curve

The curve on the right shows the total pressure drop of the OA and SA or RA and EA ducts in the silencer box.





Model

Attenuation of sound power level for center frequency

| | Airflow (m ³ /h) | Static pressure | Point | Attenu | ation of | sound p | ower lev | el for ce | enter fred | quency H | łz (dB) |
|--|--------------------------------|--------------------|-------------------|--------|----------|---------|----------|-----------|------------|----------|---------|
| | (,, | (Pa) | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| | 224 | 74 | Outlet (SA/EA) | 12 | 8 | 11 | 21 | 32 | 29 | 19 | 12 |

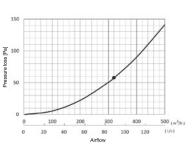
1. Figures in the chart above are measured by Mitsubishi Electric.

2. The silencer box is placed just after the outlet of the LOSSNAY unit as specified in the Installation Manual.

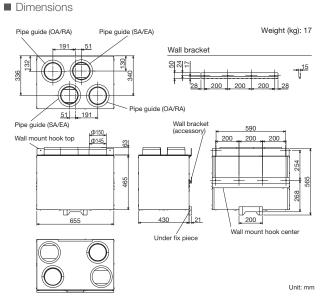
3. When airflow differs, attenuation may also differ from the chart above.

Pressure loss curve

The curve on the right shows the total pressure drop of the OA and SA or RA and EA ducts in the silencer box.



P-350SB-E



242

P-500SB-E

Attenuation of sound power level for center frequency

| Airflow (m ³ /h) | Static pressure | Point | Attenu | ation of | sound p | ower lev | vel for ce | enter free | quency H | Iz (dB) |
|--------------------------------|--------------------|-------------------|--------|----------|---------|----------|------------|------------|----------|---------|
| (1171) | (Pa) | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 350 | 98 | Outlet (SA/EA) | 10.5 | 9.5 | 13.0 | 21.0 | 27.0 | 29.0 | 26.0 | 14.0 |

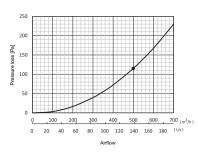
1. Figures on the chart above are measured by Mitsubishi Electric.

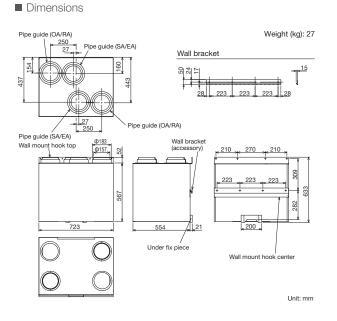
The silencer box is placed on the just after the outlet of the LOSSNAY unit as specified in the Installation Manual.

3. When the airflow differs, the attenuation may be also different from the chart above.

Pressure loss curve

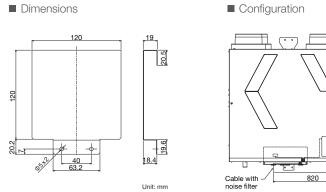
The curve on the right shows the total pressure drop of the OA and SA or RA and EA ducts in the silencer box.

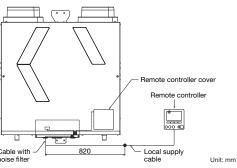




Remote Controller Cover

By attaching a Remote Controller Cover, the remote controller can be installed at a distance from the unit.





P-RCC-E



Remote controller cover



Cable with noise filter (Cable length outside the product: Approximately 820 mm)

VL-50(E)S₂-E, VL-50SR₂-E VL-100(E)U₅-E

Wall-mounted models particularly suited for houses and small offices.

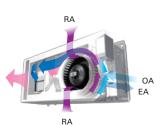


VL-50(E)32-E VL-50SR2-E

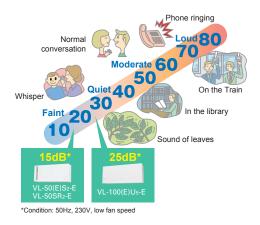
VL-100(E)U5-E

Decentralized Ventilation: VL-50(E)S₂-E, VL-50SR₂-E and VL-100(E)U₅-E

Product advantages Air is supplied and exhausted simultaneously Air is supplied and exhausted simultaneously while transferring the heat.



Low noise levels are ideal for bedrooms and children's rooms.



Energy efficient

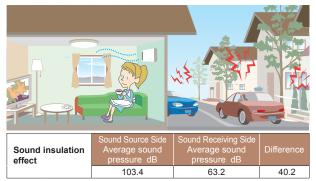
• Total heat exchange minimizes heat loss.

• Achieve over 80%* temperature efficiency.

*VL-100(E)U5-E at low fan speed at 230V 50Hz *VL-50(E)S2-E at low fan speed at 230V 50Hz

Sound insulation

A sound insulation effect reduces the level of noise generated outside.



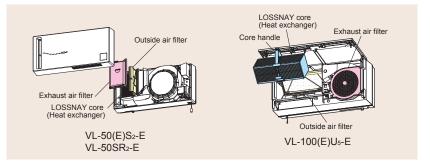
*Tested using VL-08S2-AE

*Measured by average sound pressure level of more than 30dB in 500Hz according to JIS A1416.

VL-08S2-AE is a Japanese dedicated model equivalent to VL-50(E)S2-E

Easy maintenance

The only maintenance required is cleaning the outside air filter and exhaust air. Filters are easily accessible, making quick and thorough cleaning possible.



Flexible installation for Only VL-50(E)S₂-E and VL-50SR₂-E

VL-50(E)S2-E and VL-50SR2-E may be installed either horizontally or vertically to fit in various types of rooms.



VL-50(E)S2-E, VL-50SR2-E, VL-100(E)U5-E

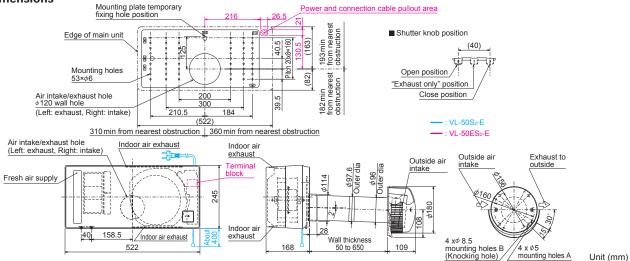
Specifications

Model: VL-50S2-E (Pull-Switch Model) and VL-50ES2-E (Wall-Switch Model)

| Model | | | | VL-50 | (E)S2-E | | | | | |
|-------------------------------------|------|-------|------|-------|---------|-------|------|-------|--|--|
| Electrical power supply | 220V | /50Hz | 230V | /50Hz | 240V, | /50Hz | 220V | /60Hz | | |
| Fan speed | High | Low | High | Low | High | Low | High | Low | | |
| Airflow (m ³ /h) | | | 52.5 | 16 | 54 | 17 | 54 | 17 | | |
| Power consumption (W) | | | 20 | 4.5 | 21 | 5 | 21 | 5.5 | | |
| Temperature exchange efficiency (%) | 70 | 86 | 69 | 85 | 68 | 84 | 68 | 84 | | |
| Noise level (dB) | 36.5 | 14 | 37 | 15 | 37.5 | 15.5 | 37.5 | 15.5 | | |
| Weight (kg) | 6.2 | | | | | | | | | |
| Specific energy consumption class | | С | | | | | | | | |

*Figures in the chart were measured according to Japan Industrial Standard (JIS B 8628) with the shutter knob in open position. *Specifications may be subject to change without notice.

Dimensions



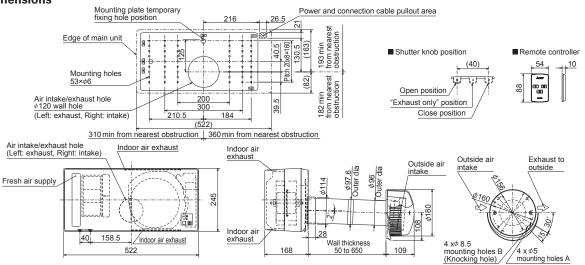
Model: VL-50SR₂-E (Remote Controller Model)

| Model | | | | VL-50 | SR2-E | | | | | | |
|-------------------------------------|----------------|-------|------|-------|-------|-------|------|-------|--|--|--|
| Electrical power supply | 220V, | /50Hz | 230V | /50Hz | 240V, | /50Hz | 220V | /60Hz | | | |
| Fan speed | High Low H | | High | Low | High | Low | High | Low | | | |
| Airflow (m ³ /h) | 51 | 15 | 52.5 | 16 | 54 | 17 | 54 | 17 | | | |
| Power consumption (W) | ion (W) 19 4.5 | | 20 | 5 | 21 | 5.5 | 21 | 6 | | | |
| Temperature exchange efficiency (%) | 70 | 86 | 69 | 85 | 68 | 84 | 68 | 84 | | | |
| Noise level (dB) | 36.5 | 14 | 37 | 15 | 37.5 | 15.5 | 37.5 | 15.5 | | | |
| Weight (kg) | 6.2 | | | | | | | | | | |
| Specific energy consumption class | | С | | | | | | | | | |

*Figures in the chart were measured according to Japan Industrial Standard (JIS B 8628) with the shutter knob in open position.

*Specifications may be subject to change without notice

Dimensions



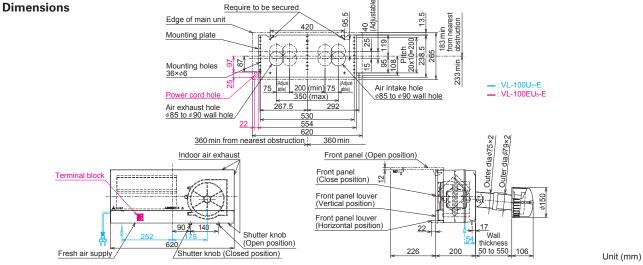
Unit (mm)

Model: VL-100U5-E (Pull-Switch Model) and VL-100EU5-E (Wall-Switch Model)

| Model | | VL-100(E)U₅-E | | | | | | | | | | |
|-------------------------------------|-----------|---------------|-------|-------|------|-------|-------|-------|--|--|--|--|
| Electrical power supply | 220V, | /50Hz | 230V, | /50Hz | 240V | /50Hz | 220V, | /60Hz | | | | |
| Fan speed | High Low | | High | Low | High | Low | High | Low | | | | |
| Airflow (m³/h) | 100 | 55 | 105 | 60 | 106 | 61 | 103 | 57 | | | | |
| Power consumption (W) | 30 | 13 | 31 | 15 | 34 | 17 | 34 | 17 | | | | |
| Temperature exchange efficiency (%) | (%) 73 80 | | 73 | 80 | 72 | 79 | 73 | 80 | | | | |
| Noise level (dB) | 36.5 | 24 | 37 | 25 | 38 | 27 | 38 | 25 | | | | |
| Weight (kg) | | | | 7 | .5 | | | | | | | |
| Specific energy consumption class | В | | | | | | | | | | | |

*Figures in the chart were measured according to Japan Industrial Standard (JIS B 8628) with the shutter knob in open position. *Specifications may be subject to change without notice.

opecifications may be se



Optional Parts

Optional Parts for VL-50(E)S₂-E and VL-50SR₂-E

Filter, Extension Pipe and Stainless Hood

| Туре | Replacement Filter High Efficiency Filter | | Extension Pipe | Joint | Stainless Hood |
|--------------------------------|---|-----------|--|--------------------------|------------------------|
| Design | | | | | |
| Model | P-50F2-E | P-50HF2-E | P-50P-E | P-50PJ-E | P-50VSQ5-E |
| Feature | - | _ | Total length when connected to the joint is 350mm. | Joint for extension pipe | Stylish stainless hood |
| Classification (EN779:2012) | G3 | _ | _ | _ | - |
| Classification (ISO16890) | Coarse 35% | ePM10 75% | _ | - | - |

Optional Parts for VL-100(E)U5-E

Filter and Extension Pipe

| Туре | Replacement Filter High Efficiency Filter | | Extension Pipe | Joint |
|--------------------------------|---|------------|--|---|
| Design | | | | \mathbf{O} |
| Model | P-100F5-E | P-100HF5-E | P-100P-E | P-100PJ-E |
| Feature | _ | _ | Total length when connected to the joint is 300mm. | Joint for extension pipe Screw-in method |
| Classification (EN779:2012) | C2 | | _ | - |
| Classification (ISO16890) | Coarse 35% | ePM10 70% | - | - |

PLASMA QUAD PROTECT

JC-4K-EU, JC-23KR-EU

Core Technology

Suppresses viruses

of 230m³/h in a 25m³ closed space:

99% suppression in 25 minutes

The JC series is equipped with a Plasma Quad electronic device. It is also equipped with a blower fan, so air control is performed while creating a circulating airflow. As a result, indoor air quality is improved. Two models are available to suit various spaces.



Suppresses bacteria

Test result of operating the unit with an air volume of 230m³/h in a 25m³ closed space:

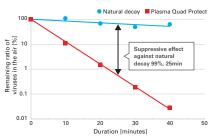
99% suppression in 28 minutes

This result does not represent the product's performance in a practical operating environment.



Test result of operating the unit with an air volume of $230m^3/h$ in a 27.5m³ closed space: 99% suppression in 31 minutes

PM2.5 is a general term for fine particulate matter of 2.5µm or less



Test result of operating the unit with an air volume

performance in a practical operating environment.

This result does not represent the product's

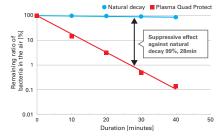
[Testing laboratory] Kitasato Research Center for Environmental Science

[Testing method] Spraying virus in 25m³ of closed space, collecting the air in the space after a certain period of time, and measuring the amount of virus in the air.

[Condition] Operating JC-23KR-EU with an air volume of 230m³/h, 1 type of virus

[Result] 99% suppression after 25min.

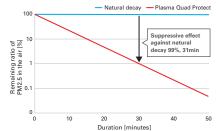
Test Report No.2022_0421



[Testing laboratory] Kitasato Research Center for Environmental Science

[Testing method] Spraying bacteria in $25m^3$ of closed space, collecting the air in the space after a certain period of time, and measuring the amount of bacteria in the air. [Condition] Operating JC-23KR-EU with an air volume of $230m^3/h$, 1 type of bacteria [Result] 99% suppression after 28min.

Test Report No.2022_0420



[Testing method] According to JEM1467.

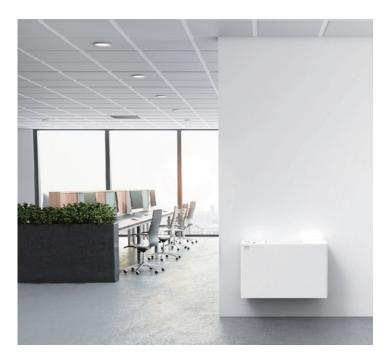
Operating JC-23KR-EU (230m3/h, 31min.) in a closed space of 27.5m³. Additional particle from outside is not considered. This result does not represent the product's performance in an actual operating environment.

Air Purifier Type

Features and Concept

Flat and Stylish Design

JC-23KR-EU is a large air volume type. It is an air purifier equipped with a HEPA^{*1} filter with a CADR^{*2} rating. The stylish wall-mounted design matches almost any space.



*1: HEPA filter rated as an EN1822 H13 grade.

*2: CADR (Clean Air Delivery Rate) value of 254m/h (pollen), 222m³/h (dust) and 228m³/h (smoke).

Circulation throughout the Room

JC-23KR-EU creates circulation flow throughout the room. It sucks air into the product and first passes it through a dust filter. The air is then delivered to the HEPA filter and Plasma Quad device. The purified air is transported from the product to the entire room.

[Conditions for airflow simulation] Air volume: 230m³/h (powerful mode) Room dimensions: width 4.3m, depth 4.3m, height 2.6m No wind, air current or ventilation in the room.

Visualization of Air Quality

JC-23KR-EU can be connected to MELCloud in the same way as air conditioners and LOSSNAY. By connecting to MELCloud, it is possible to check IAQ information and control air quality via the MELCloud app.

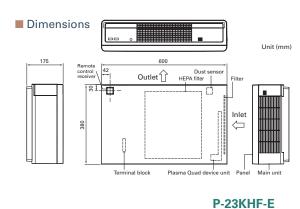
Specifications and Dimensions

This product has two manual operation modes: Powerful and Silent. It also has an Auto mode. When in Auto mode, the sensor detects the level of dirt in the room and operates with an appropriate air volume.

JC-23KR-EU



| Voltage | | Power consumption [W] | Air volume [m³/h] | Noise level [dB] | Weight [kg] |
|---------|----------|-----------------------------|----------------------|---------------------|----------------|
| 220V | Silent | 8 | 20 | 34 | |
| 2200 | Powerful | 63.5 | 230 | 72 | |
| 230V | Silent | 8 | 20 | 34 | 8.5 |
| 2300 | Powerful | 63.5 | 230 | 72 | 8.5 |
| 240V | Silent | 8 | 20 | 34 | |
| 2400 | Powerful | 63.5 | 230 | 72 | |



Replacement Filter

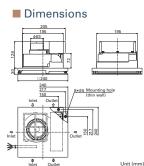
When the HEPA filter needs to be replaced, please order the optional parts P-23KHF-E.

Air Circulator Fan Type

JC-4K-EU is a small air volume type product. It is installed on the ceiling or the wall. Dust filters and the Plasma Quad device will clean the air in the room. Use "High" fan speed to quickly improve indoor air quality, air "Low" fan speed for quiet operation.







Specifications

| Voltage | Fan speed | Power consumption [W] | Air volume [m³/h] | Noise level [dB] | Weight [kg] |
|---------|-----------|-----------------------------|----------------------|---------------------|----------------|
| 220V | High | 11.5 | 38 | 35 | |
| 2200 | Low | 7.5 | 19 | 20 | |
| 230V | High | 12.5 | 40 | 36.5 | 2.4 |
| 2300 | Low | 8 | 20 | 21 | 2.4 |
| 240V | High | 13.5 | 42 | 38.5 | |
| 240 V | Low | 8.5 | 21 | 22 | |

*Specifications may be subject to change without notice.





Optional parts for LGH/GUF Series

Commercial

| Opti | onal parts | | | LGH-15RVX3-E | LGH-25RVX3-E | LGH-35RVX3-E | LGH-50RVX3-E | LGH-65RVX3-E | LGH-80RVX3-E | LGH-100RVX3-E | LGH-160RVX3-E | LGH-200RVX3-E | LGH-150RVXT-E | LGH-200RVXT-E | LGH-250RVXT-E | JRVS-E | LGH-80RVS-E | LGH-100RVS-E | JRD4 | IRDH4 | 0RD4 | GUF-100RDH4 |
|--------|-------------------|-----------------------------------|---------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|-------------|--------------|-----------|------------|------------|-------------|
| opu | | | Model | LGH-15 | LGH-25 | LGH-35 | LGH-50 | LGH-65 | LGH-80 | LGH-10 | LGH-16 | LGH-20 | LGH-15 | LGH-20 | LGH-25 | LGH-50RVS-E | LGH-80 | LGH-10 | GUF-50RD4 | GUF-50RDH4 | GUF-100RD4 | GUF-10 |
| LOS | SNAY | PZ-6 | 2DR-EA/EB | | | | | | | | | | | | | | | | | | | |
| rem | ote controller | PZ | -43SMF-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-15RF3-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-25RF3-E | | | | | | | | | | | | | | | | | | | |
| | | PZ-**RF3-E | PZ-35RF3-E | | | | | | | | | | | | | | | | | | | |
| | | (Coarse | PZ-50RF3-E | | | | | | | | | | | | | | | | | | | |
| | | 60% filter) | PZ-65RF3-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-80RF3-E | | | | | | | _ | | _ | | | | | | | | | | |
| | Replacement | | PZ-100RF3-E | | | | | | | • | | | | | | | | | | | | <u> </u> |
| | filter | PZ-**RTF-E | PZ-150RTF-E | - | | | | | | | | | | | | | | | | <u> </u> | <u> </u> | |
| | | (Coarse 50% filter) | PZ-250RTF-E | | | | | | | | | | | | | | | | | | <u> </u> | - |
| | | PZ-S**RF-E | PZ-S50RF-E | - | | | | | | | | | | | | | | | | | <u> </u> | |
| | | (Coarse 50% filter) | PZ-S80RF-E PZ-S100RF-E | | | | | | | | | | | | | | | | | | - | - |
| | | | PZ-500RF8-E | - | | | | | | | | | | | | | | | | | - | |
| | | PZ-**RF8-E (Coarse 35% filter) | PZ-100RF8-E | - | | | | | | | | | | | | | | | | | | |
| | | (oodroo oo /o mtel) | PZ-100RF8-E PZ-15RFM3-E | | <u> </u> | <u> </u> | - | - | | | | | | - | - | - | | <u> </u> | - | - | | |
| | | | PZ-15RFM3-E PZ-25RFM3-E | | | | - | | | | - | | | | | - | | | - | - | <u> </u> | - |
| | | | PZ-35RFM3-E | - | | | | | | | | | | | | - | - | | | | <u> </u> | + |
| | | PZ-**RFM3-E*1 | PZ-50RFM3-E | - | | | | - | | | | | | - | - | - | | | - | - | - | + |
| | | (M6 filter) | PZ-65RFM3-E | | | | | | | | | | | | | | | | | | | - |
| | | | PZ-80RFM3-E | | | | | | | | | | | | | | | | | | | |
| | High-efficiency | | PZ-100RFM3-E | | | | | | | | | | | | | | | | | | | |
| | filter | PZ-S**RFM-E | PZ-S50RFM-E | | | | | | | | | | | | | | | | | | | - |
| Filter | | (ePM10 | PZ-S80RFM-E | | | | | | | | | | | | | | | | | | | <u> </u> |
| | | 80% filter) | PZ-S100RFM-E | | | | | | | | | | | | | | | | | | | 1 |
| | | PZ-**RFM-E | PZ-50RFM-E | | | | | | | | | | | | | | | - | | | | |
| | | (ePM10 75% filter) | PZ-100RFM-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-15RFP3-E | | | | | | | | | | | | | | | | | | | - |
| | | | PZ-25RFP3-E | | | | | | | | | | | | | | | | | | | |
| | | PZ-**RFP3-E | PZ-35RFP3-E | | | | | | | | | | | | | | | | | | | |
| | | (ePM1 | PZ-50RFP3-E | | | | | | | | | | | | | | | | | | | |
| | | 75% filter) | PZ-65RFP3-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-80RFP3-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-100RFP3-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-15RFH3-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-25RFH3-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-35RFH3-E | | | | | | | | | | | | | | | | | | | |
| | Advanced high- | PZ-**RFH3-E*1 (F8 filter) | PZ-50RFH3-E | | | | | | | | | | | | | | | | | | | |
| | efficiency filter | | PZ-65RFH3-E | | | | | | _ | | _ | | | | | | | | | | <u> </u> | |
| | | | PZ-80RFH3-E | <u> </u> | | | | | | | | | | | | | | | | | <u> </u> | - |
| | | | PZ-100RFH3-E | - | | | | - | | | | | | | | | | | | - | | |
| | | PZ-**RTFM-E | PZ-M6RTFM-E (M6 Filter) | - | | | | | | | | | | | | | | | - | | | - |
| | | | PZ-F8RTFM-E (F8 Filter) | - | | | - | <u> </u> | | | | | | | | | <u> </u> | | | | | - |
| | | PZ-**TDF-E*1 | PZ-M6TDF-E (M6 Filter) | - | | | - | - | | | | | | | | - | | | - | - | ├ | - |
| | | | PZ-F8TDF-E (F8 Filter) PZ-S50RFH-E | - | | | | - | | | | | | | | | | | - | - | <u> </u> | - |
| | | PZ-S**RFH-E (ePM1 | PZ-S50RFH-E PZ-S80RFH-E | - | | | | - | | | | | | - | | | | | | - | <u> </u> | - |
| | | 65% filter) | PZ-S100RFH-E | - | | | | | | | - | | | | | | | | - | | \vdash | + |
| | | PZ-**RFP2-E | PZ-500RFP2-E | - | | | - | - | | | | | | - | - | | | | | | \vdash | - |
| | | (ePM1 75% filter) | PZ-100RFP2-E | - | - | <u> </u> | | | | | | | | | | - | | | | | | |
| | | | -70CSD-E | | | | | | | | | | | | | | | | | | | |
| (| CO2 sensor | | -70CSW-E | | | | ŏ | | | | | | | - | - | ŏ | ŏ | - | - | - | <u> </u> | \vdash |
| Vort | ical installation | | 2Z-1VS-E | | | | | | | | | | | | | | | | | | <u> </u> | + |
| vert | plates | | 2-148 E 2-2VS-E | | | | | | | | | | | - | - | | 1 | | - | - | <u> </u> | + |
| Signa | l output terminal | | 22462-27-46S-E | | | | | Ŏ | ŏ | ŏ | | | | | | | | | | | | 1 |
| 5 | | | PZ-100SS-E | Ĭ | | | | | | | | | | | | | | | | | | \vdash |
| | | | PZ-150SS-E | | | | | | | | | | | | | | | | | | | \vdash |
| D | ouct silencer | PZ-**SS-E | PZ-200SS-E | | | | | | | | | | | | | | | | | | | |
| | | | PZ-250SS-E | | | | | | | | | | | | | | | | | | | |
| 1. Des | | | equilation of Thermal Installations | | | | | | - | - | · · · | - | h nrc | | | | | | | | | |

*1: Designed for Spanish market to apply RITE (Regulation of Thermal Installations of Buildings)

Note: Please refer to each product page for required number of pieces/sets.

Optional parts for VL-CZPVU Series

| | Optional parts | | | VL-250CZPVU-R/L-E | 350CZPVU-R/L-E | 500CZPVU-R/L-E |
|--------|--|-----------|------------|-------------------|----------------|---|
| | | Mc | del | | | VL-E |
| | Daalaan aa tiibaa | | P-250F-E | | | |
| | Replacement filter (Coarse 55% filter) | P-**F-E | P-350F-E | | | |
| | (, | | P-500F-E | | | |
| | | | P-250SF-E | | | |
| | Standard filter (Coarse 90% filter) | P-**SF-E | P-350SF-E | | | |
| | Medium-efficiency filter P-500SF-E Verticities P-250MF-E | | P-500SF-E | | | |
| | | | | | | |
| Filter | (ePM10 80% filter) | P-**MF-E | P-350MF-E | | | |
| Filter | | | P-500MF-E | | | NI-500CZPVUU-R/L-E NI-500CZPVUU-R/L-E Image: State of the stat |
| | | | P-250PF-E | | | |
| | PM2.5 filter (ePM2.5 50% filter) | P-**PF-E | P-350PF-E | | | |
| | | | P-500PF-E | | | |
| | | | P-250PFH-E | | | |
| | PM1 filter (ePM1 55% filter) | P-**PFH-E | P-350PFH-E | | | |
| | | | P-500PFH-E | | | |
| | | | P-250NF-E | | | |
| | NOx filter | P-**NF-E | P-350NF-E | | | |
| | | | P-500NF-E | | | |
| | | | P-250SB-E | | | |
| | Silencer box | P-**SB-E | P-350SB-E | | | |
| | | | P-500SB-E | | | |
| RC | cover (remote controller cover) | P-RC | CC-E | | | |

Optional parts for VL-50/100 Series

Residential

| | Optional parts | | VL-50S2-E | VL-50ES2-E | VL-50RS2-E | VL-100U5-E | VL-100EU5-E |
|--------|------------------------|------------|--------------|--------------|-------------|------------|-------------|
| | | Model | <pre>~</pre> | <pre>~</pre> | <pre></pre> | -L- | ۲L. |
| | Replacement filter | P-50F2-E | | | | | |
| Filter | | P-100F5-E | | | | | |
| Filler | High-efficiency filter | P-50HF2-E | | | | | |
| | | P-100HF5-E | | | | | |
| | Extension nine | P-50P-E | | | | | |
| | Extension pipe | Р-100Р-Е | | | | | |
| | Dina avtancian icint | P-50PJ-E | | | | | |
| | Pipe extension joint | P-100PJ-E | | | | | |
| | Stainless hood | P-50VSQ5-E | | | | | |

Our air-conditioning equipments and heat pumps contain a fluorinated greenhouse gas, R410A (GWP: 2088) or R32 (GWP: 675). *These GWP values are based on Regulation (EU) No.517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP: 1975), R32 (GWP: 550)

▲ CAUTION

Do not install indoor units in areas (e.g. mobile phone base stations) where the emission of VOCs such as phthalate compounds and formaldehyde is known to be high as this may result in a chemical reaction.

WARNING

When installing or relocating or servicing our air-conditioning equipment, use only the specified refrigerant (R410A or R32) to charge the refrigerant lines.

Do not mix it with any other refrigerant and do not allow air to remain in the lines.

If air is mixed with the refrigerant, then it can be the cause of abnormal high pressure in the refrigerant lines, and may result in an explosion and other hazards.

The use of any refrigerant other than that specified for the system will cause mechanical failure, system malfunction or unit breakdown. In the worst case, this could lead to a serious impediment to securing product safety.

MITSUBISHI ELECTRIC CORPORATION

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> Full Product Line Catalogue E-2405224 (18692)



