

HITACHI

Customized comfort

Residential and light commercial applications

MULTI-SPLIT SYSTEMS

Cooling & Heating



**Your world
& Hitachi.**

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Multi-splits solve big challenges

No small feat

Hitachi ductless systems deliver just the right amount of heating and cooling to every space while using no more energy than necessary.

Hitachi Multi-Split Systems are the ideal choice for applications that challenge traditional HVAC systems such as projects with varied loads and occupancy rates or cases where existing systems can't be modified to reasonably meet customer needs.

A wide portfolio of equipment means Hitachi Multi-Split Systems can be customized to meet the exact needs of your customers.





Quiet, efficient comfort

- High-efficiency, inverter-driven compressor modulates capacity to meet temperature requirements exactly.
- ECO mode automatically shifts the set temperature to reduce energy consumption.
- Unique human-sensing capability monitors activity and adjusts temperature accordingly.
- Indoor fan automatically adjusts speed for maximum comfort.
- Pre-heating system ensures indoor fan doesn't run until coil has warmed to prevent cool air from circulating when in heating mode.
- Sound pressure levels are as low as 27 dB(A)*.

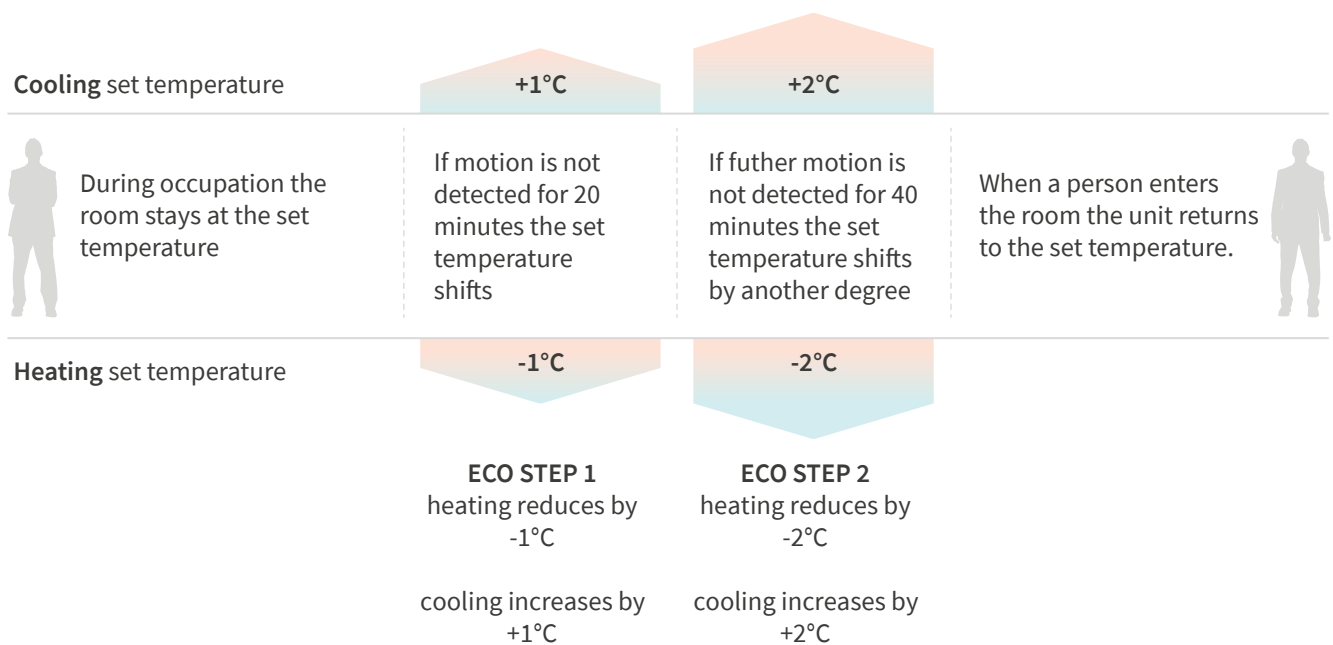
*Applicable to RAK-AJ07HNC, RAK-AJ09HNC, and RAK-AJ13HNC only.



Consistently efficient

Saving energy is something we should all be thinking about. We designed your air conditioner to think about it too, by intelligently analyzing the conditions in your home to deliver consistent comfort and energy efficiency.

Eco Mode operation



ECO Mode with human sensor detects the absence or presence of people in the room and adjusts temperature for comfortable cooling and energy savings (available only with RAK-AJ series).

Known for quality

Hitachi is recognized around the globe for superior products. The tradition of manufacturing excellence continues with the new multi-split line of equipment. Built to exacting standards in state-of-the-art facilities, Hitachi Multi-Split provide comfort, energy savings, and years of worry-free performance. Advanced technology powers exceptional performance with features that promote comfort, health, convenience, and efficient performance.

MULTI-SPLIT SYSTEMS



INTRODUCTION

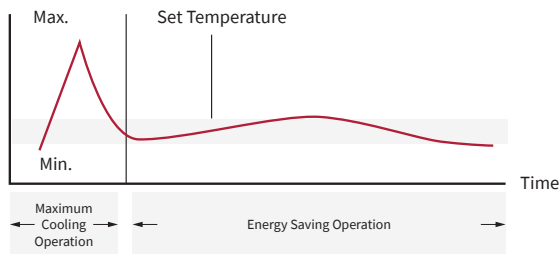
Trusted for innovation

Designed to perform

Hitachi Multi-Split feature the Cascade Vector DC Inverter System which takes comfort and efficiency to a new level. The technology monitors and adjusts compressor rotation speed, cooling with maximum capacity at startup, then automatically slowing to optimum operating capacity. This provides smoother, more comfortable and energy-efficient performance and more reliable operation in unstable power conditions.

Inverter

Energy consumption (Efficient)



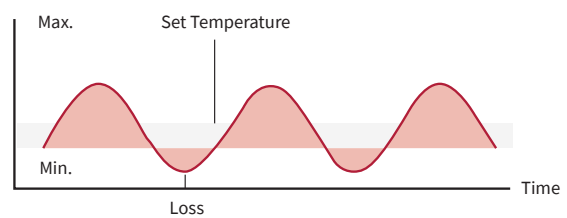
Cascade Vector DC Inverter technology saves energy by starting at maximum capacity then slowing and maintaining optimum capacity.

Energy savings

Ductless multi-split systems essentially eliminate the energy loss that occurs in conventional, ducted central systems. In addition, variable-speed compressors in outdoor units provide extremely high part-load efficiency, making Hitachi Mini-Split Systems an excellent choice for energy-conscious customers. A selection of heating and cooling options are available to meet the application's exact capacity and SEER requirements.

Non-Inverter

Energy consumption (Not Efficient)



Traditional systems run through repeated on and off cycles, increasing energy consumption.

Built to last

Reliable performance requires durable materials. Outdoor units are constructed with metal casings that are both fireproof and rustproof. A special anti-corrosion coating lengthens condenser life, improves performance and durability, and reduces the need for maintenance — even in coastal environments.

MULTI-SPLIT SYSTEMS



INTRODUCTION



MULTI-SPLIT SYSTEMS

INTRODUCTION

Durability and safety

Fireproof electrical enclosure

meets the highest international manufacturing standards.



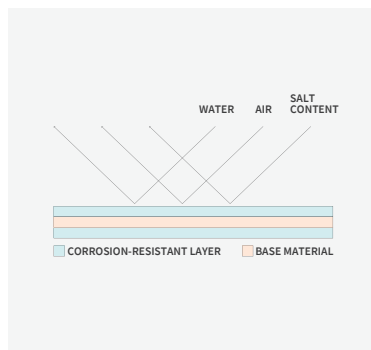
Indoor unit metal casing



Outdoor unit metal casing

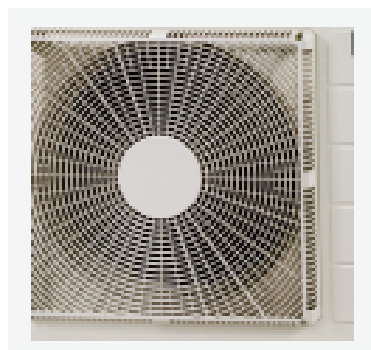
Anti-corrosion coating

lasts beyond the lifetime of a standard condenser.



Anti-rust outdoor unit casing

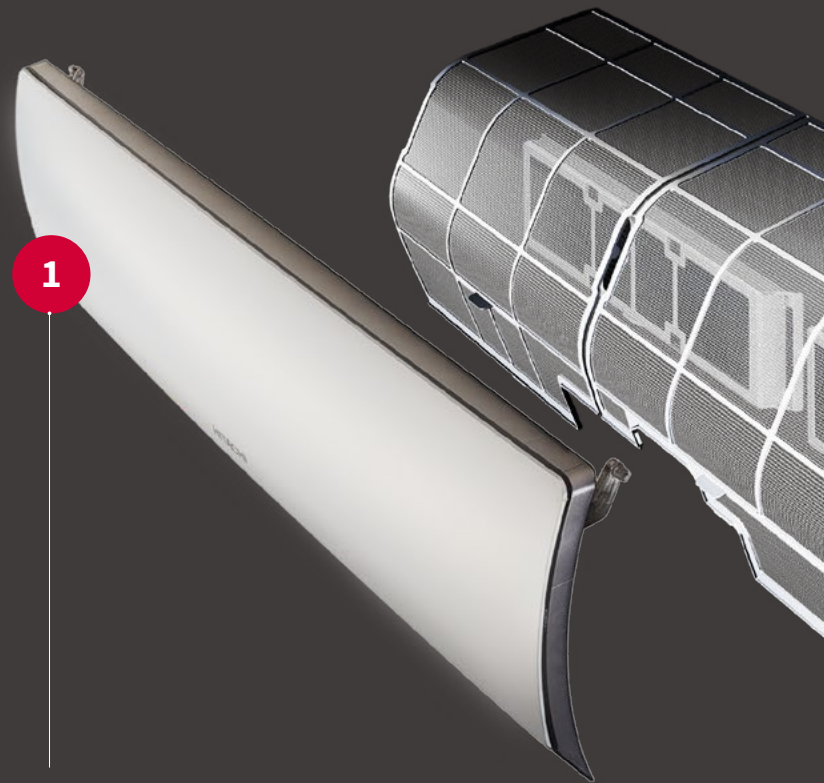
reduces maintenance and protects unit.



Components for clean air

Hitachi Mini-Splits promote a healthy environment — indoors and out. Multiple cleaning technologies contribute to a more hygienic indoor environment while energy-efficient vector DC inverters reduce energy consumption, contributing to a cleaner planet.

- 1 **Washable Detachable Front Panel**
- 2 **Stainless Pre-Filter**
- 3 **PM2.5 Air-Purifying Carbon Filter**
- 4 **Heat Exchanger**



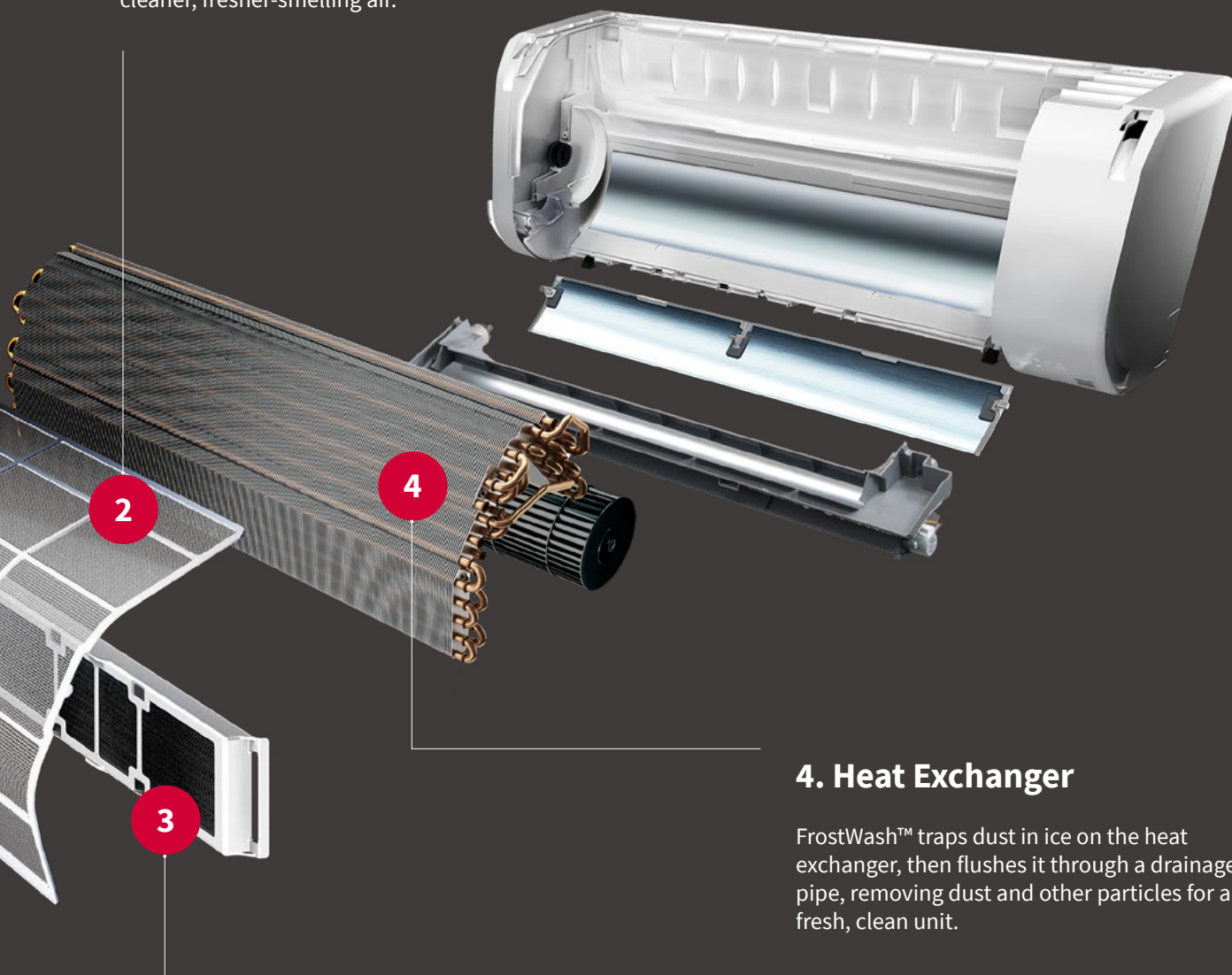
1. Washable Detachable Front Panel

The front panel of the unit can be easily removed for convenient cleaning and maintenance.

2. Stainless Pre-Filter

Durable and easy to clean, the pre-filter reduces bacterial growth by preventing large particles from entering the unit for cleaner, fresher-smelling air.

Unit shown for example purposes only.
Units available may differ by region.



3. PM2.5 Air-Purifying Carbon Filter

The carbon filter keeps PM2.5 particles out of the air which can include bacteria, allergens, and mold.

4. Heat Exchanger

FrostWash™ traps dust in ice on the heat exchanger, then flushes it through a drainage pipe, removing dust and other particles for a fresh, clean unit.

CLEANING FEATURES

Fresher air starts with a clean unit

Today, we are increasingly conscious of how the air in our homes affects our health and well being. Even with modern air conditioning systems, dust and bacteria accumulate inside indoor units and this can lead to reduced air quality and efficiency.



Nano Titanium Stainless Pre-Filter

The pre-filter is the first level of purification and protection when the air goes into the unit. It prevents large particles, such as hair, dust and allergens, from going into the indoor unit and causing damage. Please clean the pre-filter frequently to ensure smooth air flow. The pre-filter is manufactured from stainless, which is more durable, anti-bacterial, and easier to clean.



PM2.5 Wasabi Air Purifying Filter

The wasabi filter provides a superior level of cleanliness. After over 4.5 hours of continuous operation, 99%** of the particles have been filtered out. Not only does the wasabi air filter remove microscopic particles larger than 2.5 μm , but it also has anti-VOC properties and deodorizes the room, leaving the air fresh, breathable, and clean.

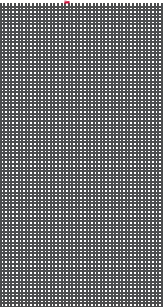
** Tested by Hitachi Environmental Test Laboratory. Test method: Both "PM2.5 Air Purifying Carbon Filter" and "Stainless Pre-filter" applied on an indoor unit. Operation mode is set at high fan speed cooling mode with thermo off on RAS-VJ24CLT in a room with size of 25m³.

Clean Air Unit Filter Application

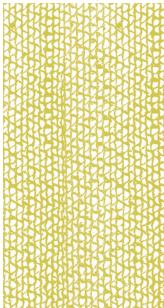
Nano Titanium Stainless Pre-Filter & PM2.5 Wasabi Filter

Hitachi's new PM2.5 Air Purifying Filter reduces the particle of PM2.5 by 99%* in addition to the effect of anti-VOC and deodorizing. This filter provides powerful clean solution that greatly contributes to your better health and air quality in your room. Working together with the Stainless Pre-filter, the Wasabi Air Purifying filter provides another layer of filtration that has powerful antibacterial(*1), anti-allergen(*3), anti-mold(*4), and deodorising(*4) properties.

MULTI-SPLIT SYSTEMS



Stainless Steel Pre-Filter




Wasabi AirPurifying Filter

99%
Antibacterial

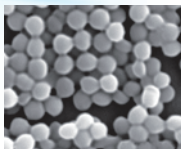
95%
Anti-Allergens

98%
Volatile Organic Compounds Suppression

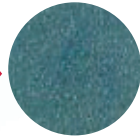
82%
Odor Removal



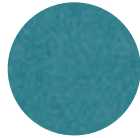
310,000 Bacterial
EXPERIMENTAL ANTI - BACTERIAL¹



650,000 (INCREASE)
Normal Filter

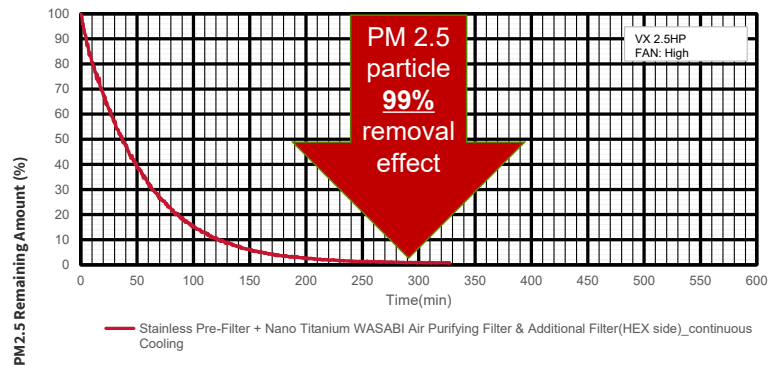


Remaining 10 (DECREASE)
Stainless Filter



CLEANING FEATURES

- Odor Removal
- VOC Suppression
- Mold Suppression
- PM2.5 Particles



THE CHANGE OF RATE OF PM2.5 PARTICLE
(Experiment at 25m³ room)

*1 : Tested by University Putra Malaysia, Test Method: JIS Z2801:2000.

*2 : Tested by International Medical Malaysia. Test Method : 6-hours ELIZA Assay using dust mite allergen.

*3 and 4 : Tested by Nanopac Testing Lab. Test Method : Gas Detector Tube Method.

*5 : Tested by Nanopac Testing Lab. Test Method : Comparison of 2 slices of bread in separate acrylic chambers, with and without Nano Titanium Wasabi Solution for 2 Weeks. No mold grown on the bread with Nano Titanium Wasabi Solution while bread without were covered with mold.

*6 : Both "PM2.5 Wasabi Air Purifying Filter" and "Stainless Pre-filter" attached on an indoor unit. Test was done with continuous cooling operation with setting at high fan speed of RAS-VX24CJT / RAS-VJ24CLT. Test Method : JEM1467 (The Japan Electrical Manufacturers' Association) Test was conducted in a room with a size of 25m³.



Eco Mode by Sensor System

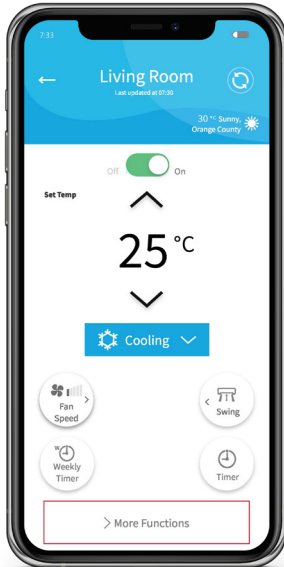
In Eco Mode, your unit adjusts operations to account for the number of people, activity levels, and even the amount of sunlight in the room.

How it works:

- With the Eco Mode sensor, activity level in the room is monitored. When sleep is confirmed, the temperature will increase by 1°C and the unit will continue running for 1 hour. Fan speed will be changed to SILENT.
- If the condition of activity in the room is stable, the unit will continue running with the temperature increased another 1°C. Temperature will decrease by 1°C when small activity is detected in the room.
- If increased human activity is detected, the temperature fan speed will be resumed back to previous setting.
- In Eco Mode, the brightness of the indoor unit indicator lamp will reduce.

CONTROL FEATURES

airCloud Home



Control the temperature for individual rooms, program schedules, and more with airCloud Home.

airCloud Home

This smartphone app puts control in the palm of your hand. The user-friendly interface makes it simple to set and change schedules for the greatest energy savings. And it's fully compatible with Amazon Alexa and Google Assistant, enabling voice control when needed.

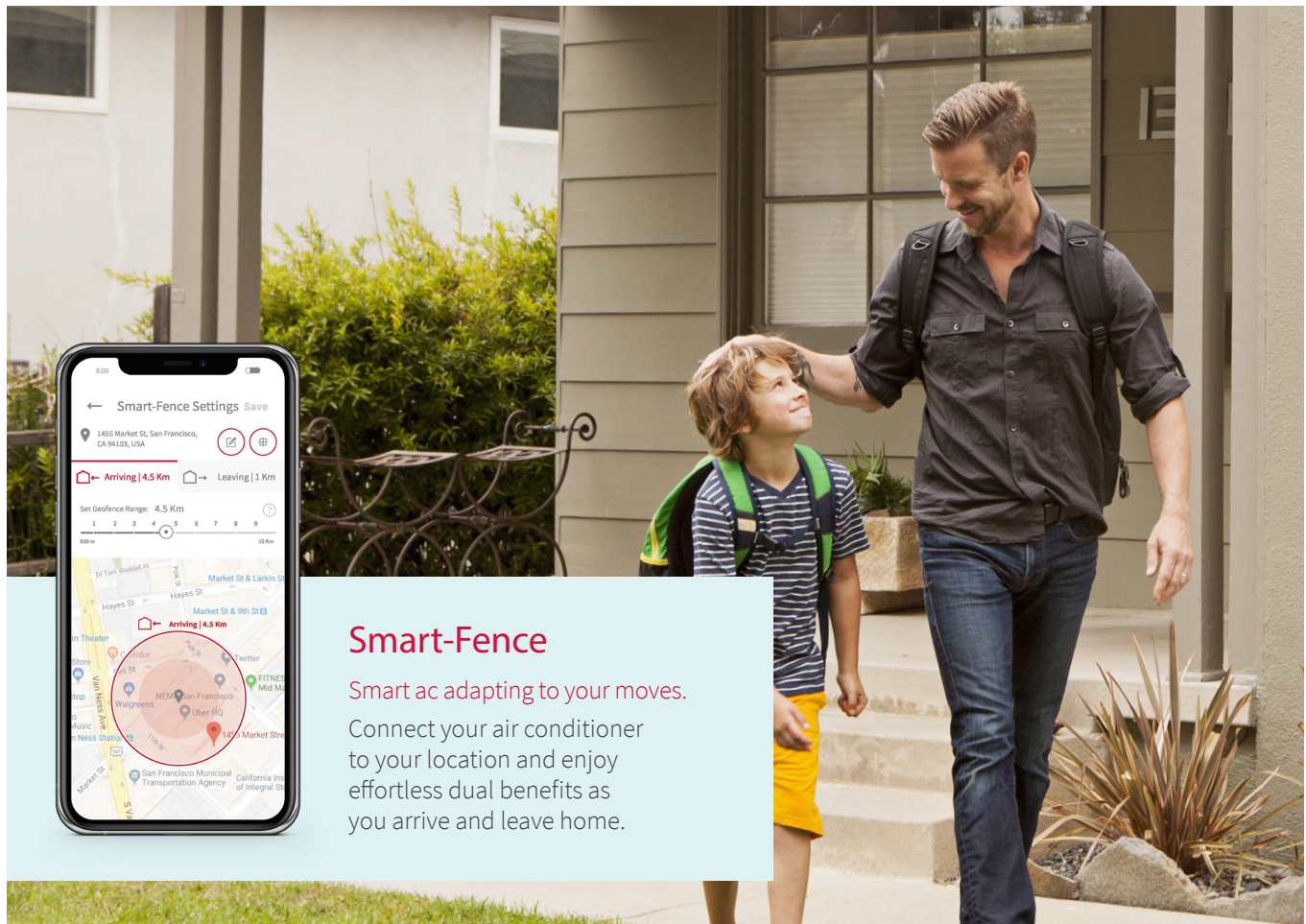
Setup is quick, easy, and customizable; access can be shared with up to twenty people with individual permissions set as appropriate.

With this handy application, rooms are always the desired temperature — even if the thermostat wasn't set before leaving home. With anytime, anywhere control, the airCloud Home app ensures you'll always come home to comfort.

airCloud Home

Set it and forget it

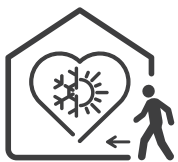
Set it and forget it With Smart-Fence*. You can connect your HVAC unit to your property and never worry about adjusting the temperature while you're away again, saving you money and ensuring you always come home to comfort.



Smart-Fence

Smart ac adapting to your moves.

Connect your air conditioner to your location and enjoy effortless dual benefits as you arrive and leave home.



As you arrive home

Your AC will automatically turn on, helping to create a comfortable and welcoming indoor climate.

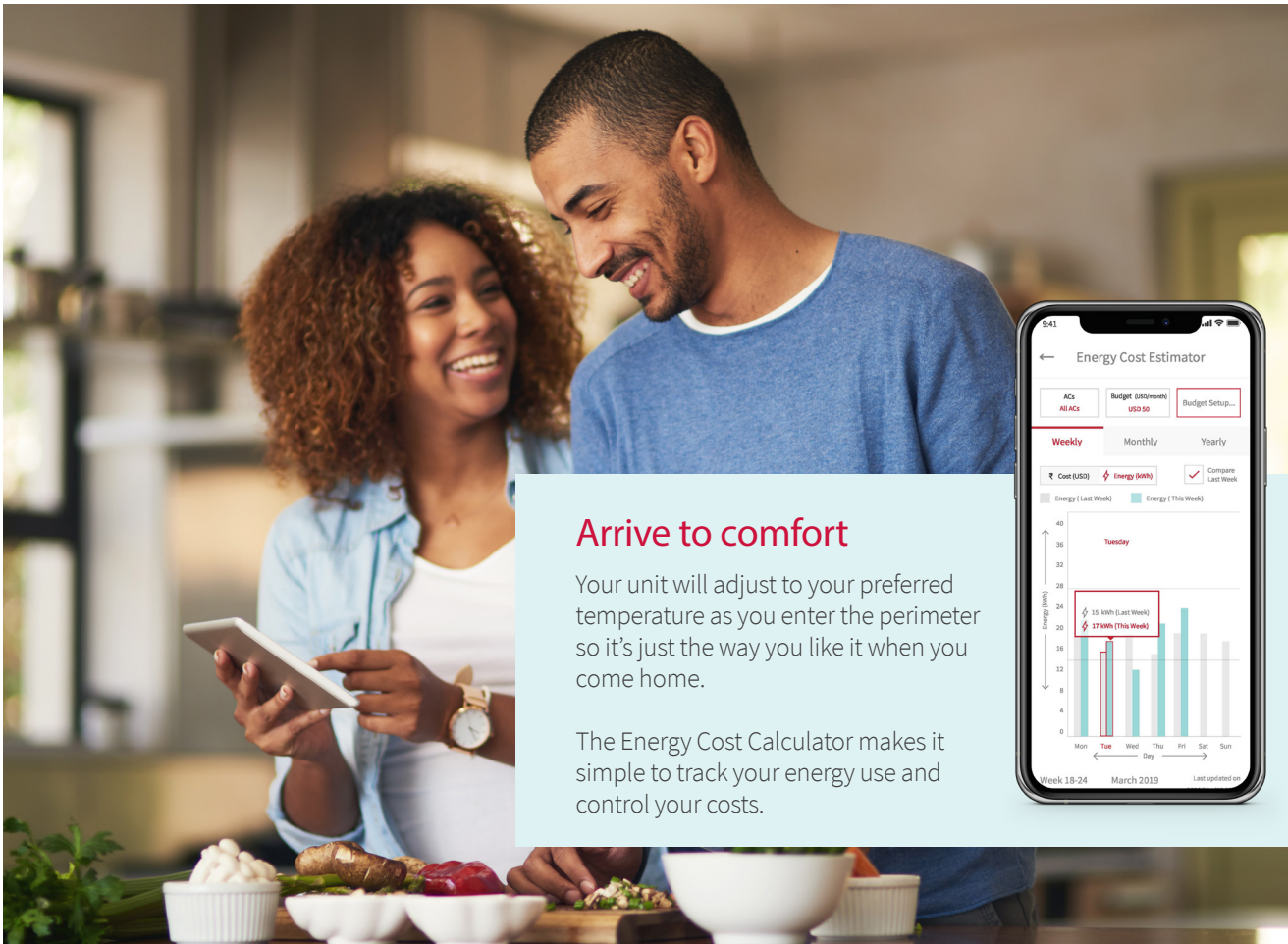


As you leave home

Your AC will stop automatically or switch to a more economical preset temperature to save you energy.

Set a perimeter around your house and preferred settings for while you're out, and Smart-Fence will take it from there for work-free savings and comfort. Adjust the temperature or reset Smart-Fence any time from your airCloud Home app.

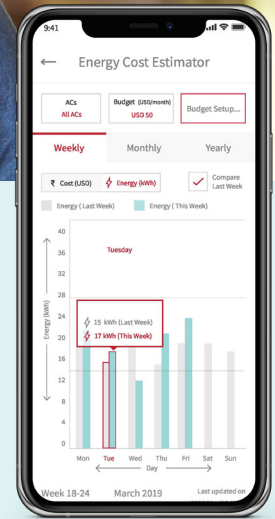
*Smart Fence features may vary in different region.



Arrive to comfort

Your unit will adjust to your preferred temperature as you enter the perimeter so it's just the way you like it when you come home.

The Energy Cost Calculator makes it simple to track your energy use and control your costs.



Take control of your energy spend

It's never been easier to manage your budget. airCloud Home's energy cost estimator provides all the information you need to monitor and control your energy costs.

Track energy use and preview estimates of your daily, weekly, monthly, or annual expenditure.

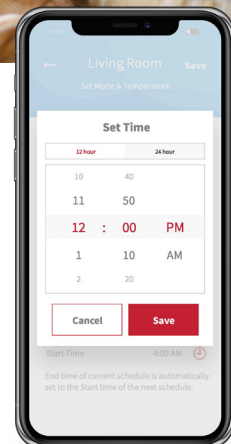
Use the intuitive scheduling features to help you meet your goals with schedules based on your daily routines.



Save while you're away

When you leave the perimeter, the unit will automatically stop or switch to an energy-saving preset temperature, reducing your energy bills.

Daily and weekly schedules make managing energy use easy.



*airCloud Home requires a Wi-Fi adapter. Wi-Fi adapter is optional for all models.

Right at home

Hitachi Multi-Split solve multiple residential application challenges.

Room additions

A practical and economical solution compared to upgrading existing systems.

Apartments, condominiums, and townhouses

An ideal solution compared to the hassle, noise, obstructed view, and other issues associated with typical window units.

Older houses where ducts are not available

A smart, effective way to add air conditioning that does not require extensive construction or remodeling.

There's a system that's right for your application.



Features comparison

| | | Multi Split | | | |
|---------------|---|------------------|------------------|------------------|--------------|
| | | Standard SJ | Deluxe AJ | Duct | Outdoor Unit |
| Clean | Internal Clean | • | • | • | |
| | Nano Titanium Stainless Pre-Filter | • | • | | |
| | PM 2.5 Wasabi Air Purifying Filter | • | • | | |
| | Washable Detachable Front Panel | • | • | | |
| Comfort | Eco Sleep Timer | • | | • | |
| | Up-Down Auto Swing | • | • | | |
| | Left-Right Auto Swing | | • | | |
| | Fan Speed | 4+Auto | 4+Auto | 4+Auto | |
| | Seamless Fan Speed Control | • | • | • | • |
| | One Touch Internal Clean | • | • | • | |
| | Powerful Mode | • | • | • | |
| | Dehumidification | • | • | • | |
| | One Touch Silent Mode | • | • | • | |
| | Sensor System | | Human Sensor | | |
| | Weekly Timer | | • | | |
| | Timer | 12-hr | 24-hr /Weekly | 12-hr | |
| | Wi-Fi | Optional Adapter | Optional Adapter | Optional Adapter | |
| Energy Saving | Eco Mode Fixed | • | | • | |
| | Eco Mode by Human Sensor | | • | | |
| Reliability | Anti-Corrosion Green Fin | | | | • |
| | Cooling Operation Outdoor Temperature Range | | | | -10 to 46° C |
| | Heating Operation Outdoor Temperature Range | | | | -20 to 24 °C |
| | Anti-Rust Outdoor Casing | | | | • |
| | Auto Restart | • | • | • | • |
| | DC Power System | • | • | • | • |
| | Cascade Vector DC Inverter System | • | • | • | • |
| | Fireproof Electrical Enclosure | • | • | • | • |
| | Refrigerant | R410A | R410A | R410A | R410A |
| | 3-Minute Delay Circuit (Fuse Blow Prevention) | • | • | • | • |
| | H-Link/Wi-Fi (Connect to Indoor Unit) | • | • | • | |
| | H-Link (Connect to Outdoor Unit) | | | | • |





MULTI-SPLIT SYSTEMS

MULTI-SPLIT SYSTEM OUTDOOR UNITS

| Model | Outdoor Unit | | RAM-SJ18H2NV | RAM-SJ24H3NV | RAM-SJ36H4NV | RAM-SJ42H5NV |
|---------------------------|----------------------------------|-----------------------|-------------------------|-------------------------|------------------------------|------------------------------|
| | System Type | | Heat Pump | Heat Pump | Heat Pump | Heat Pump |
| | Number Indoor Connection | | 2 | 3 | 4 | 5 |
| Performance | Rated Cooling Capacity (Min-Max) | kW | 5.3 (2.1 - 6.0) | 7.0 (2.1 - 8.4) | 10.0 (2.1 - 11.0) | 12.0 (2.1 - 13.4) |
| | | Btu/h | 18,000 (7,000 - 21,000) | 24,000 (7,000 - 28,800) | 36,000 (7,000 - 40,000) | 42,000 (7,000 - 46,000) |
| | Rated Heating Capacity (Min-Max) | kW | 6.3 (2.6 - 7.0) | 8.2 (2.6 - 9.0) | 11.0 (2.6 - 12.0) | 14.0 (2.6 - 15.0) |
| | | Btu/h | 22,000 (9,000 - 24,500) | 28,000 (9,000 - 32,000) | 40,000 (9,000 - 42,000) | 48,000 (9,000 - 51,000) |
| | EER | | 3.60 | 3.70 | 3.60 | 3.60 |
| | COP | | 3.50 | 3.90 | 3.40 | 3.30 |
| | Power Input (Cooling) | | 1,460 | 1,890 | 2,770 | 3,330 |
| Power Input (Heating) | | 1,800 | 2,100 | 3,230 | 4,240 | |
| Power Supply | Unit | | Outdoor | | | |
| | Weighed Voltage | V / Ph / Hz | 220-240 / 1 / 50 | 220-240 / 1 / 50 | 220-240 / 1 / 50 | 220-240 / 1 / 50 |
| Current | Total Amperes (Cooling) | A | 6.4 | 8.3 | 12.2 | 14.8 |
| | Total Amperes (Heating) | A | 7.9 | 9.3 | 14.3 | 18.7 |
| | Starting Current (Cooling) | A | 8.4 | 9.7 | 14.9 | 19.6 |
| | Starting Current (Heating) | A | 8.4 | 9.7 | 14.9 | 19.6 |
| Outdoor Unit | Sound Level (Cooling) | dB | 50 | 52 | 54 | 56 |
| | Sound Level (Heating) | dB | 52 | 54 | 56 | 58 |
| | Net Dimension (WxHxD) | mm | 850 x 750 x 298 | 850 x 800 x 298 | 950 x 800 x 370 | 962 x 945 x 370 |
| | Package Dimension (WxHxD) | mm | 1,008 x 800 x 404 | 1,008 x 848 x 404 | 1,072 x 868 x 508 | 1,116 x 1,100 x 520 |
| | Net Weight | kg | 51 | 55 | 71 | 95 |
| | Gross Weight | kg | 56 | 60 | 77 | 105 |
| | Refrigerant | | R410A | | | |
| | Refrigerant Amount | g | 1,800 | 2,500 | 2,950 | 4,100 |
| | Operation Temp. Range (Cooling) | °C | -10°C to 46°C | -10°C to 46°C | -10°C to 46°C | -10°C to 46°C |
| | Operation Temp. Range (Heating) | °C | -20°C to 24°C | -20°C to 24°C | -20°C to 24°C | -20°C to 24°C |
| | ODU Fuse Size | A | 20 (Circuit breaker) | 25 (Circuit breaker) | 25 (Circuit breaker) | 30 (Circuit breaker) |
| | Tube Type | | Expansion valve | | | |
| | Piping | Min. Length of Piping | m | 5 | 5 | 5 |
| Max. Length of Piping | | m | 50 | 60 | 60 | 75 |
| Max. Height of Piping | | m | 20 | 20 | 20 | 20 |
| Diameter for Liquid / Gas | | mm | (6.35)*2 / (9.52)*2 | (6.35)*3 / (9.52)*3 | (6.35)*4 / (9.52)*3+(12.7)*1 | (6.35)*5 / (9.52)*3+(12.7)*2 |

Please refer to Product submittals for gas/liquid lines port sizes.

Rating conditions (cooling) – Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

Rating conditions (heating) – Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

Specifications are subject to change without notice. Manufacturer reserves the right to discontinue or change at any time, specifications or designs without notice or without incurring obligations.

MULTI-SPLIT SYSTEM INDOOR UNITS

Wall Mount Unit - Deluxe Type

- Optional Wi-Fi capability
- Eco Mode by Human Sensor



| Model | Wall Mount Indoor | | RAK-AJ07HNV | RAK-AJ10HNV | RAK-AJ13HNV | RAK-AJ18HNV | RAK-AJ24HNV |
|--------------|---|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | System Type | | Heat Pump | Heat Pump | Heat Pump | Heat Pump | Heat Pump |
| Performance | Cooling Capacity | kW | 2.0 (0.9 - 2.5) | 2.5 (1.6 - 2.9) | 3.5 (1.6 - 4.0) | 5.0 (2.0 - 5.8) | 7.1 (2.7 - 7.3) |
| | (Min-Max) | Btu/h | 7,000 (3,050 - 8,500) | 8,500 (5,500 - 10,000) | 12,000 (5,500 - 13,600) | 17,100 (7,000 - 19,800) | 24,200 (9,200 - 25,000) |
| | Heating Capacity | kW | 2.5 (0.9 - 3.2) | 3.0 (1.7 - 3.8) | 4.0 (1.7 - 5.0) | 6.0 (2.1 - 7.0) | 7.2 (2.5 - 7.5) |
| | (Min-Max) | Btu/h | 8,500 (3,050 - 10,900) | 10,200 (5,800 - 12,900) | 13,600 (5,800 - 17,100) | 20,500 (7,000 - 24,000) | 24,500 (8,500 - 25,600) |
| Power Supply | Rated Voltage | V / Ph / Hz | 220 - 240 / 1 / 50 | 220 - 240 / 1 / 50 | 220 - 240 / 1 / 50 | 220 - 240 / 1 / 50 | 220 - 240 / 1 / 50 |
| Indoor Unit | Air flow cooling mode (SL / L / M / H) | cfm (m ³ /h) | 150/200/280/320 | 150/200/280/320 | 150/200/280/400 | 260/320/410/540 | 299/405/500/650 |
| | Air flow heating mode (SL / L / M / H) | cfm (m ³ /h) | 180/230/310/330 | 180/230/310/330 | 180/230/310/400 | 270/330/420/570 | 310/435/500/650 |
| | Noise level cooling (sound pressure) (SL / L / M / H) | dB(A) | 27/35/40/43 | 27/35/40/43 | 27/35/40/46 | 35/42/45/49 | 35/40/45/51 |
| | Noise level heating (sound pressure) (SL / L / M / H) | dB(A) | 27/35/40/43 | 27/35/40/43 | 27/35/40/46 | 35/42/45/49 | 35/40/45/51 |
| | Unit Dimension (WxHxD) | mm | 900 x 300 x 230 | 900 x 300 x 230 | 900 x 300 x 230 | 1100 x 300 x 260 | 1100 x 300 x 260 |
| | Package Dimension (WxHxD) | mm | 970 x 300 x 360 | 970 x 300 x 360 | 970 x 300 x 360 | 1155 x 330 x 365 | 1155 x 330 x 365 |
| | Dehumidifying Capacity | L/h | 1.0 | 1.0 | 1.5 | 1.8 | 2.5 |
| | Net / Gross Weight | kg | 11.0 / 13.0 | 11.0 / 13.0 | 11.0 / 13.0 | 15.0 / 17.0 | 15.0 / 17.0 |
| | Refrigerant | | | | | R410A | |
| | Piping Connections | Liquid | mm | 6.35 | 6.35 | 6.35 | 6.35 |
| Gas | | mm | 9.52 | 9.52 | 9.52 | 12.7 | 15.88 |

Please refer to Product submittals for gas/ liquid lines port sizes. Test conditions are based on AHRI 210/240.

Rating conditions (cooling) – Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

Rating conditions (heating) – Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

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MULTI-SPLIT SYSTEM INDOOR UNITS

Wall Mount Unit - Standard Type

- Optional Wi-Fi capability
- Eco Mode Fixed



MULTI-SPLIT SYSTEMS

| Model | Wall Mount Indoor | | RAK-SJ10HNV | RAK-SJ13HNV | RAK-SJ18HNV | RAK-SJ24HNV |
|--------------------|---|-------------------|--|--|--|--|
| | System Type | | Heat Pump | Heat Pump | Heat Pump | Heat Pump |
| Performance | Rated Cooling Capacity (Min-Max) | kW Btu/h | 2.5 (1.6 - 2.9) 8,500 (5,500 - 10,000) | 3.5 (1.7 - 3.8) 12,000 (5,800 - 12,900) | 5.0 (1.7 - 5.3) 17,100 (5,800 - 18,100) | 7.1 (2.7 - 7.3) 24,200 (9,200 - 25,000) |
| | Rated Heating Capacity (Min-Max) | kW Btu/h | 3.0 (1.3 - 3.2) 10,200 (4,500 - 10,900) | 3.8 (1.4 - 4.1) 12,900 (4,800 - 14,000) | 5.5 (2.0 - 5.8) 18,800 (7,000 - 19,800) | 7.2 (2.5 - 7.5) 24,500 (8,500 - 25,600) |
| Power Supply | Rated Voltage | V / Ph / Hz | 220 - 240 / 1 / 50 | 220 - 240 / 1 / 50 | 220 - 240 / 1 / 50 | 220 - 240 / 1 / 50 |
| Indoor Unit | Air flow cooling mode (SL / L / M / H) | m ³ /h | 288/370/424/492 | 288/370/424/543 | 399/407/475/679 | 475/594/730/1,053 |
| | Air flow heating mode (SL / L / M / H) | m ³ /h | 288/370/424/492 | 288/370/424/543 | 399/407/475/679 | 475/594/730/1,053 |
| | Noise level cooling (sound pressure) (SL / L / M / H) | dB(A) | 29/36/40/42 | 29/36/40/44 | 35/38/42/48 | 35/40/45/51 |
| | Noise level heating (sound pressure) (SL / L / M / H) | dB(A) | 29/36/40/42 | 29/36/40/44 | 35/38/42/48 | 35/40/45/51 |
| | Unit Dimension (WxHxD) | (mm) | 780 x 280 x 230 | 780 x 280 x 230 | 780 x 280 x 230 | 1,100 x 300 x 260 |
| | Package Dimension (WxHxD) | (mm) | 820 x 265 x 320 | 820 x 265 x 320 | 820 x 265 x 320 | 820 x 265 x 320 |
| | Net / Gross Weight | (kg) | 8.0 / 9.5 | 8.0 / 9.5 | 8.0 / 9.5 | 15.0 / 17.0 |
| | Refrigerant | | R410A | | | |
| Piping Connections | Liquid | (mm) | 6.35 | 6.35 | 6.35 | 6.35 |
| | Gas | (mm) | 9.52 | 9.52 | 12.70 | 15.88 |

Please refer to Product submittals for gas/liquid lines port sizes. Test conditions are based on AHRI 210/240.

Rating conditions (cooling) – Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

Rating conditions (heating) – Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

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MULTI-ZONE SYSTEM INDOOR UNITS

Ducted Indoor Unit

- Optional Wi-Fi Capability
- Eco Mode Fixed
- Internal condensate drain pump
- Medium static pressure capability



MULTI-SPLIT SYSTEMS

| Model | Ducted Indoor | | RAD-SJ10HNV | RAD-SJ13HNV | RAD-SJ18HNV | RAD-SJ24HNV |
|--------------------|---|-------------------|--|--|--|--|
| | System Type | | Heat Pump | Heat Pump | Heat Pump | Heat Pump |
| Performance | Rate Cooling Capacity (Min - Max) | kW Btu/h | 2.5 (0.9 - 2.9) 8,500 (3,050 - 10,000) | 3.5 (0.9 - 4.0) 12,000 (3,050 - 13,600) | 5.0 (1.2 - 5.8) 17,100 (4,100 - 19,800) | 7.0 (1.2 - 7.5) 24,000 (4,100 - 25,600) |
| | Rate Heating Capacity (Min - Max) | kW Btu/h | 3.5 (0.9 - 5.0) 12,000 (3,050 - 17,100) | 4.8 (0.9 - 6.4) 16,500 (3,050 - 21,800) | 6.0 (1.2 - 6.7) 20,500 (4,100 - 22,900) | 8.0 (1.2 - 8.9) 27,300 (4,100 - 30,400) |
| Power Supply | Rated Voltage | V / Ph / Hz | 220-240/ 1 / 50 | 220-240/ 1 / 50 | 220-240/ 1 / 50 | 220-240/ 1 / 50 |
| Specifications | Airflow (SL / L / M / H) | m ³ /h | 329/389/448/509 | 329/389/448/509 | 349/538/798/1140 | 349/538/798/1140 |
| | External Static Pressure | Pa | 70 | 70 | 50/100/150 | 50/100/150 |
| | Cooling Sound Pressure Level (SL / L / M / H) | dB(A) | 30/33/37/41 | 30/33/37/41 | 29/32/35/39 | 29/32/35/39 |
| | Heating Sound Pressure Level (SL / L / M / H) | dB(A) | 30/34/38/42 | 30/34/38/42 | 29/32/35/40 | 29/32/35/40 |
| | Net Dimension (WxHxD) | mm | 750 x 235 x 400 | 750 x 235 x 400 | 900 x 270 x 700 | 900 x 270 x 700 |
| | Package Dim. (WxHxD) | mm | 806 x 306 x 594 | 806 x 306 x 594 | 1,110 x 280 x 850 | 1,110 x 280 x 850 |
| | Net / Gross Weight | kg | 16.0 / 18.0 | 16.0 / 18.0 | 35.0 / 39.0 | 35.0 / 39.0 |
| | Dehumidifying Capacity | L/h | 1.4 | 1.6 | 2.8 | 2.8 |
| | Refrigerant | | R410A | | | |
| Piping Connections | Liquid | mm | 6.35 | 6.35 | 6.35 | 6.35 |
| | Gas | mm | 9.52 | 9.52 | 12.7 | 12.7 |

Please refer to Product submittals for gas/liquid lines port sizes. Test conditions are based on AHRI 210/240.

Rating conditions (cooling) – Indoor: D.B. 80° F (27° C), W.B. 67° F (19° C); Outdoor: D.B. 95° F (35° C), W.B. 75° F (24° C).

Rating conditions (heating) – Indoor: D.B. 70° F (21° C), W.B. 60° F (16° C); Outdoor: D.B. 47° F (8° C), W.B. 43° F (6° C).

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