

Room Air Conditioners

HITACHI
Inspire the Next



air



Models

Monozone/Multizone
(NH5/NH6/NH7/QH5/QH8)

Summit
(WX8/FH6/YH5/FX8)

Monoduct
(DH7)

Bigflow
(GH4/G4)



room

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Air Quality

Company profile

Air conditioning from Hitachi can justifiably be described as the art of exploiting the latest ideas and developments in technology to create a range of innovative products which provide a more comfortable and more productive environment in which people can happily live and work. It is also an art executed with a responsible concern for protecting the environment. Ecological thinking begins at the very first stages of new product design and continues throughout production, installation procedures, equipment and operation.

Specifiers and users alike can always be assured that performance and costs are not the only parameters by which Hitachi products can be judged. To achieve success with such objectives on a global scale requires not only enormous resources but also a commitment to the future. As one of the largest companies in the world, Hitachi is well positioned to undertake this commitment with confidence that comes from successfully responding to the changing needs of people for over 90 years. In Japanese, Hitachi means sunrise - we are the forefront of research and development turning new ideas and innovations into new products. Of its \$81.4 billion sales worldwide in 2003, close to 5.2% was invested into research and development programs. This vast amount of money has given Hitachi the opportunity to conceive many 'world firsts' - examples of which include the technologically advanced and acclaimed scroll and semi-hermetic screw compressors. These have been incorporated in Hitachi's air conditioning systems and water chillers which have revolutionised air conditioning worldwide.

The majority of our room air conditioning products are developed at our Tochigi Works in Japan. This is the main focus not only for production but also for research and development with respect to all our room air conditioning products. To assist in production and distribution worldwide we have seven affiliated production companies for room air conditioners and compressors. Hitachi's advanced air conditioning products are specified all over the world, wherever there is a requirement for ultimate performance and cost effective, long term reliability. A wide range of units coupled with a choice of advanced control systems mean Hitachi can provide solutions to meet every possible air conditioning application or specification. Authorised distributors all over the world contribute their own specialised technical support and practical assistance to provide individual system designs, commissioning and after sales service. Hitachi Authorised Distributors are committed to providing an unrivalled support from a combination of experienced engineers, local product and spare parts stock, supported in turn by on-going technical support from Hitachi.

Quality control

From the initial product concept at Hitachi's research and development facility in Japan, product development is dedicated to providing the products the customer requires. Product design and development is continuous with priority being given to the use of ecologically friendly refrigerant. To satisfy your cooling and heating requirements and to ensure the optimum indoor environment, consider Hitachi the first and last word in air conditioning.

Environmental Management Systems
Approval Certificate


HITACHI AIR CONDITIONING
PRODUCTS (M) SDN. BHD.
certified ISO 14001
Certificate number : H003502047
Certificate date : April, 1997


TOCHIGI WORKS
Hitachi Home & Life Solutions, Inc.
certified ISO 9001
Certificate number : EC9932060
Certificate date : January, 1997

ISO 9001 Approval Certificate


HITACHI AIR CONDITIONING
PRODUCTS (M) SDN. BHD.
certified ISO 9001
Certificate number : A00624
Certificate date : July, 1995


TOCHIGI WORKS
Hitachi Home & Life Solutions, Inc.
certified ISO 9001
Certificate number : JQA-Q09032
Certificate date : January, 2003

Tochigi Works and its overseas affiliates have acquired International Standard Quality Management System ISO9001 and ISO14001 authorisation. The Tochigi Works performs thorough product quality control using various environmental tests. Hitachi Room Air Conditioning Indoor and Outdoor units are manufactured according to this ISO certification system.

Hitachi products all carry the necessary 'CE' declaration markings, and also feature in the extensive Eurovent Listing programme. Listing in the Eurovent directory helps ensure peace of mind for the installer and the end user, as it certifies the important operating parameters and performance of the units.



Style

Product range overview

Hitachi's new range of Room Air Conditioning systems has developed significantly in recent years following a great deal of investment in research and development and testing facilities at various Hitachi factories and laboratories, around the world.

Hitachi has continuously developed sophisticated energy saving air conditioning systems that reduce CO₂ emissions and help to protect the global environment.

The latest Room Air Conditioning offering from Hitachi is the Cut Out range of Wall and Floor Mounted units.

Available in the MonoMultizone or Summit range the units have a stylish design and are available in a variety of colours.

The Hitachi range of Room Air Conditioners feature a vast array of significant features all designed with the user in mind.

- High efficiency DC Inverter PAM control
- Eco friendly R410a refrigerant
- High power and performance for greater energy efficiency
- Low ambient working range -10°C for cooling, -15°C for heating
- Remarkably low sound levels

- Strong heating capacity under low ambient temperature conditions
- Zone by zone heating or cooling for up to four areas, and wide selection of indoor unit type and capacities
- Highest air quality
- Easy installation and servicing
- An elegant design

MONO
MULTI
ZONE

All DC Inverter PAM Monozone/Multizone Indoor Units

Capacity (kW)	1.8	2.5	3.5	5.0	6.0
Cut Out Wall		■	■	■	
Framed Flat Wall	■	■	■	■	
Cut Out Floor		■	■	■	
60cm x 60cm Cassette		■	■	■	
In-the-Ceiling		■	■	■	

Outdoor Units

Capacity (kW)	2.5	3.5	5.0	6.0	7.5	8.8	11.0	12.0	15.5	17.6
Monozone*	■	■	■							
Multizone**				■	■	■	■	■	■	■

All DC Inverter PAM Mono Split

Capacity (kW)	2.0	2.5	3.5	5.0	6.0	7.0	8.0
Summit Cut Out Wall		■	■	■			
Summit Framed Flat FH6	■	■	■	■			
Summit YH5					■	■	■
Summit Cut Out Floor		■	■	■			
Monoduct				■	■	■	

Non Inverter Mono Split

Capacity (kW)	2.0	2.9	3.5	5.0	6.5
Bigflow - Heat Pump	■	■	■	■	■
Bigflow - Cooling Only	■	■	■	■	■

* Nominal cooling capacities
** Maximum indoor combination nominal cooling capacities



Features and benefits

All DC Inverter

As you would expect from an Industry leader such as Hitachi, we have been at the forefront of technological development and advancement. As the pioneer of 'DC' Inverter driven Room Air Conditioners, our units boast the significant advantage of all DC Inverter driven compressors and fans. Enhanced inverter performance and system performance are achieved by the addition of a 'DC' drive.

Advantages include:

Rapid start up

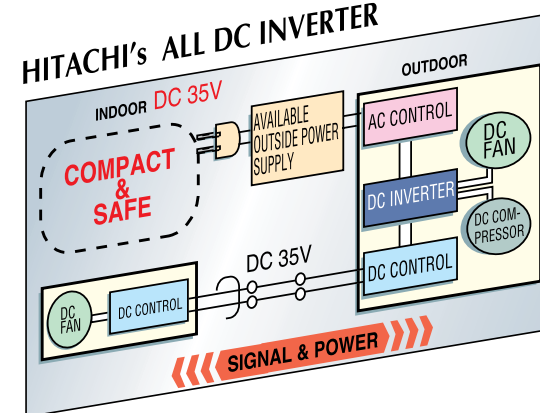
The variable speed compressor (inverter) enables the system to rapidly reach the desired room temperature setting. Once the desired room temperature has been achieved the compressor rotation speed is reduced, saving up to 30% in energy usage (when compared to conventional systems) without compromising comfort levels.

Improved performance

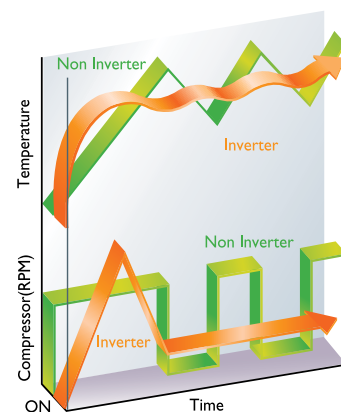
The inclusion of a DC driven motor delivers an enhanced performance over standard AC motor driven systems. This enhanced performance can be as much as 10%!



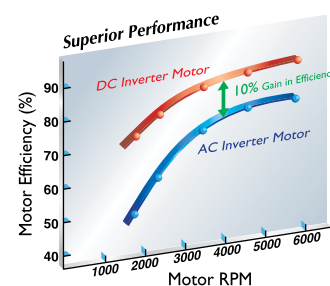
HITACHI'S ALL DC INVERTER



Rapid Start Up



Improved Performance



Cooling at

-10°C

Heating at

-15°C

High performance cooling at -10°C and heating at -15°C

The cooling and heating performance is even more impressive than previously. The units have been designed for cooling operation under low temperatures down to -10°C. At outdoor temperatures as low as -15°C, the PAM controlled range of inverter split systems continue to provide high capacity heating performance.

Compressor Technology

Digital DC Scroll Compressor

The motor uses digital control to maximise PAM control performance.



- Loss during high-speed revolution is reduced thanks to digital control of the motor.
- Shaft runout during high-speed revolution is lessened by three balancers mounted on the crank shaft.
- Efficient operation with drastically reduced refrigerant leakage is ensured by the automatic compression system, in which the tip of the slewing scroll is kept in absolute contact with the fixed scroll, in addition to special processing of the scroll surface.



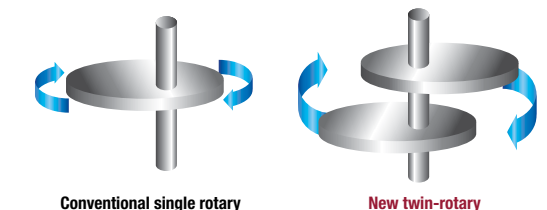
DC Twin Rotary Compressor

Today all Monozone and two Multizone room air conditioning units have Hitachi's new twin rotary compressor which has even less vibration and even higher performance efficiency than conventional rotary compressors.



- Two rotating cylinders ensure well balanced rotation unlike the conventional single-rotary type, thus greatly reducing any vibration noise.
- The compressor's operation is magnificently improved by the independent operation of the cylinders leading to greater efficiency and lower vibration.

Drawing of cylinder balance



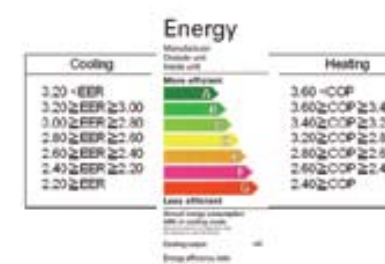
Comparison of vibration

Single - 1

Twin - 1/5

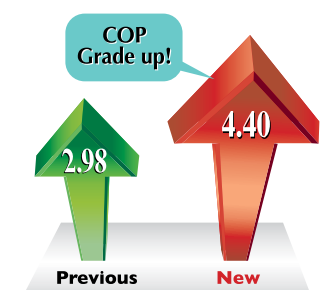
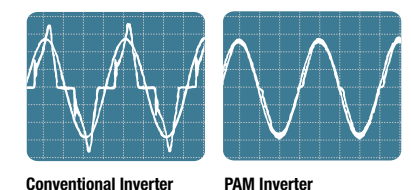
High Energy Efficiency

Hitachi conforms to the 2002/31/EC Directive - 92/75/EEC "Energy labelling Directive (ELD)", which is applicable from June 2004 on all air conditioning products up to 12Kw cooling capacity. The DC inverter PAM technology helps us to achieve the 'A' class, the highest level of energy efficiency which is clearly indicated on the standard labelling system.

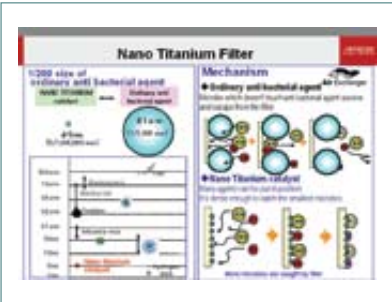


PAM - Minimised loss of performance

Hitachi's PAM (Power Active Module) control system mirrors the current pulse waveform to avoid distortion and therefore achieve almost 100% power factor to enhance power efficiency. This cutting edge device is employed in all Hitachi Mono/Multizone products for your comfort and energy saving for our environment. It ensures the efficient use of input power and minimises loss to less than 1%. The PAM range boasts an industry leading COP of more than 4.0.



Features and benefits



R410A Refrigerant

Hitachi is using the new R410A refrigerant in all of its room air conditioning products to ensure its continual environmentally friendly approach as well as the on going development of techniques for saving energy and reducing power consumption.



Nano-Titanium Filter ('Cut Out' range only)

In our new Cut Out models we have introduced the Hitachi state of the art Nano-Titanium Catalyst which dramatically improves the functions of deodourisation, bacteria elimination and anti-bacterial measures. Titanium Oxide has been used as a photocatalyst for many years but Hitachi have now enhanced it by reducing its size to a nanometer – over 1000 times smaller than ordinary bacteria agent.

This ultrafine catalyst can therefore catch smaller microbes or bacteria which may escape from other filters leading to higher air quality circulating around the room.

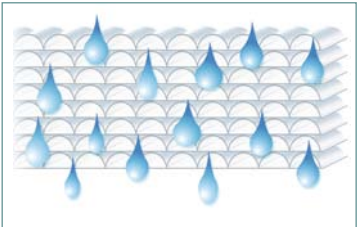
The comparison table easily shows the size of the Nano Titanium Catalyst in relation to other ordinary anti bacterial agents and also details the size of some common bacteria in relation to the size of the filter and showing what does get through.

The Nano-Titanium does not deteriorate or run out as particles and dead fungi do not accumulate on the surface, so it can be used semi-permanently.

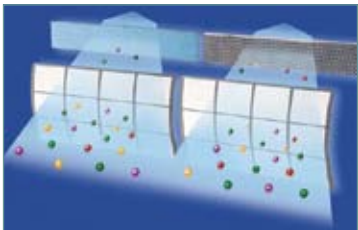
Both the SPX-CFH15 and SPX-NFH1 filters are included.

Air Quality

Either the SPX-CFH5 or SPX-CFH11, washable carbon and anti-bacteria air purifying filters are included in all of Hitachi's room air conditioning products. This ensures that the micro dust, pollen particles and odours that can collect on filters can be easily removed. The filters can be washed and reused up to 20 times.



Breathable structure. Micro level dust is absorbed by static electricity



SPX-CH5, SPX-CH11



Reuseable after washing

Automatic Operational Control

All air conditioning units are made with easy servicing in mind. All components can be easily reached and self diagnosis is made easy. Errors are easily identified by the blinking patterns made by lights on the LED outside the indoor and inside the outdoor units.

Auto restart

If the auto start mode is selected at the ON/OFF switch, then the unit automatically resumes operation in the mode that was in use before it was switched off. This saves time for the user on start up and setting selection.

Auto changeover

The built-in microcomputer continuously selects the best operating mode to achieve the required heating and cooling temperature. The sensor checks the operating mode periodically to provide maximum comfort for the user. (Applicable to all DC Inverter models.)

Easy to use remote control

All units come with a standard easy to use wireless or wired remote control, equipped with 24hr timer. All commands are shown on the liquid crystal display while convenient, frequently-used functions (sleep mode timer, fan speed and louver control) can be operated with one touch buttons.



Self Diagnosis System for Easy Servicing

All air conditioning units are made with easy servicing in mind. All components can be easily reached and self diagnosis is made easy. Errors are easily identified by the blinking patterns made by lights on the LED outside the indoor and inside the outdoor units.



New Weekly Timer

Main Functions:

- Programs can be set for one week.
- Up to 5 patterns can be set for each day (A pattern included 'start time' + 'end time' 'different setting temperature').
- Programs can overlap to the next day.
- 4 different fan speeds: Auto/Hi/Me/Low/Silent

Controls

The new 'Cut Out' range of air conditioning units now has a larger possible variety of controls. The easy to use wireless or wired remote controllers are still available but in addition there is also the option to fit this to a **Simple Weekly Timer** and Hitachi's **H Link adaptor**.

Zone

Monozone/Multizone

Extensive range and full indoor/outdoor compatibility

The Hitachi Multizone range was the world's first all DC Inverter Multisplit system with zone by zone cooling or heating for up to four rooms.

Hitachi DC scroll and DC twin-rotary compressor, together with award-winning DC inverter PAM technology, aid the achievement of a system power factor of almost 100%, thus providing unparalleled performance and efficiency. The all DC Inverter system ensures extremely sensitive and accurate

temperature control through fuzzy logic and offers remarkably low sound levels.

The wide range of units have been designed for cooling operation under low temperatures, down to -10°C. This feature enables cooling to be obtained even in winter on buildings with high internal heat gains due to lighting, people and machines, particularly in areas such as shops and lecture rooms. The heating operation under low temperature, down to -15°C can also be performed.

The recent integration of Multizone and Monozone employing R410A refrigerant provides a comprehensive selection of DC inverter PAM mono and multi split systems, maintaining full compatibility of indoor unit throughout the range.

Monozone/Multizone compatible indoor unit range caters for all requirements offering wall mounted, floor standing, 60cm x 60cm cassettes, and in the ceiling duct units, designed to offer elegance and comfort to any application.



Comprehensive range/long pipe length and easy installation

You can choose and connect freely from different types of indoor and outdoor units depending on the number of rooms, width and shape of the room.

The single Monozone outdoor units work on a 20m to 30m maximum length of piping, and are made in four different capacities.

Multizone outdoor units can have a maximum chargeless piping length up to 70m when one outdoor unit is used with four indoor units in various locations. A maximum combination of indoor units can provide a wide selection of 6.5kW to 12.0kW.

Main Key Benefits

- DC Inverter PAM control
- Wide selection of indoor unit types and capacities
- Compatibility between product ranges of outdoor and indoor units
- Highest COP and low noise
- Cooling available under -10°C ambient temperature*
- Heating available under -15°C ambient temperature
- Auto restart by previous mode and Auto changeover**
- Washable carbon and anti-bacteria air purifying filter
- 24hr remote control timer
- R410A refrigerant

NOTES: * Except RAM 80QH5 ** Auto changeover for Monozone only



Wair

Cut out wall mounted unit

RAK Technical Description

The latest addition to Hitachi's Room Air Conditioning range is the new Cut Out range of units, this includes the new Multizone Wall Mounted unit, fully compatible with Hitachi's Multizone outdoor unit. Available in cooling and heating capacities from 2.5kW to 5.0kW, this new range still includes all the important features associated with Hitachi units such as R410A refrigerant, Hitachi DC scroll or DC twin rotary compressor and of course its DC inverter driven PAM technology.

Control Options

This unit is available with a wider range of control systems including:

- Simple Weekly Timer
- Wired Remote Control
- H-Link adaptor



Available in a range of colours:

- White and Dark Silver
- Beige and Chocolate



White and Dark Silver



Beige and Chocolate

General Data

Model		RAK-25QH8	RAK-35QH8	RAK-50QH8
Power Supply		DC 35V	DC 35V	DC 35V
Sound Pressure Level (Overall Scale)				
Cooling	dBA	37/32/26/20	39/35/29/22	47/39/31/25
Heating	dBA	39/33/27/20	41/35/30/22	48/39/31/25
Outer Dimensions (Net/(Carton))				
Height	mm	295(290)	295(290)	295(290)
Width	mm	795(850)	795(850)	795(850)
Depth	mm	198(355)	198(355)	198(355)
Weight	Kg	10(12)	10(12)	10(12)
Refrigerant		R410A	R410A	R410A
Flow Control		—	—	—
Indoor Fan				
Air Flow Rate Cooling	m³/min	7.5/6.2/4.5/3.5	8.7/7.0/5.6/4.6	11.5/9.2/6.8/4.8
Air Flow Rate Heating	m³/min	9.5/7.0/5.5/3.3	10.3/8.5/6.6/4.4	13.0/9.6/7.3/4.8
Refrigerant Piping				
Liquid Line	mm (in)	6.35(1/4)	6.35(1/4)	6.35(1/4)
Gas Line	mm (in)	9.52(3/8)	9.52(3/8)	12.7(1/2)
Interconnection Wires	pcs	3	3	3
Auto Restart by Previous Mode		Yes	Yes	Yes
LED Self Diagnosis		Yes	Yes	Yes
Air Purifying Filter Type		SPX-CFH20	SPX-CFH20	SPX-CFH20
Anti-bacterial Tangential Fan		Yes	Yes	Yes
H-Link Connectability		Yes	Yes	Yes
Weekly Timer Wired Remote Control		Option	Option	Option
Wired Remote Control		Option	Option	Option
Wired Remote Control Timer	Hr	12	12	12
Wireless Remote Control		Standard	Standard	Standard
Wireless Remote Control Timer	HR	24	24	24

MULTIZONE combination. For capacity information please refer to Combination Table.

NOTES:

Cooling Capacities Conditions

Indoor Air Inlet Temperature: 27 °C DB
19 °C WB
Outdoor Air Inlet Temperature: 35 °C DB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Heating Capacities Conditions

Indoor Air Inlet Temperature: 20 °C DB
7 °C DB
Outdoor Air Inlet Temperature: 6 °C WB
7.5 meters
Piping Length: 7.5 meters
Piping Lift: 0 meters

Sound Pressure Level Measurement Distance

RAK
1m from discharge grille
0.8m beneath the unit's high centre
RAF
1m from discharge grille
Half of unit height from floor level
RAI
1.4 m beneath the unit
RAD
1.5 m beneath the unit
RAM
1m from suction/discharge grille
Approx. 1m from floor level

IMPORTANT NOTICE:

The following Indoors cannot be connected to RAM-80QH5 Outdoor. (Performance cannot be guaranteed if they are connected.)

RAK-25QH8
RAK-35QH8
RAK-50QH8
RAF-25QH8
RAF-35QH8
RAF-50QH8

Wair

Framed flat wall mounted

RAK Technical Description

Hitachi's R410A All DC Inverter Ranges elevate air conditioning to a new level, incorporating significant advances in electronics technology.

With cooling and heating capacities from 2.0kW to 5.0kW, the all DC Inverter PAM driven mono split Monozone/Multizone Framed Flat range incorporates the R410A refrigerant, Hitachi DC Scroll, or DC Twin Rotary compressor all working together for high performance and ultimate efficiency.

- New Flat Framed design
- DC inverter PAM control
- Low noise down to 20dBA on sleep mode
- Heating available even at -15°C ambient temperature
- Auto restart and Auto changeover
- Washable carbon and anti-bacteria air purifying filter
- 24hr remote control timer
- R410A refrigerant



General Data

Model		RAK-18NH6A	RAK-25NH6A	RAK-35NH6A	RAK-50NH6A
Power Supply		DC 35V	DC 35V	DC 35V	DC 35V
Sound Pressure Level (Overall Scale)					
Cooling	dBA	35/30/26/20	38/32/26/20	41/35/29/25	47/39/31/27
Heating	dBA	36/33/27/23	39/33/27/23	41/35/30/26	47/39/31/27
Outer Dimensions (Net/(Carton))					
Height	mm	280(250)	280(250)	280(250)	280(250)
Width	mm	780(830)	780(830)	780(830)	780(830)
Depth	mm	220(330)	220(330)	220(330)	220(330)
Weight	Kg	9(11)	9.5(11)	9.5(11)	9.5(11)
Refrigerant		R410A	R410A	R410A	R410A
Flow Control		—	—	—	—
Indoor Fan					
Air Flow Rate Cooling	m³/min	7.3/6.7/5.8/4.7	8.5/7.0/6.0/4.8	10.1/8.0/6.5/5.8	13.5/10.0/6.8/6.0
Air Flow Rate Heating	m³/min	8.0/7.0/5.8/5.7	9.5/8.0/7.0/4.8	10.8/8.5/7.5/5.8	13.5/10.0/6.8/6.5
Refrigerant Piping					
Liquid Line	mm (in)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
Gas Line	mm (in)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)
Interconnection Wires		pcs	3	3	3
Auto Restart by Previous Mode			Yes	Yes	Yes
LED Self Diagnosis			Yes	Yes	Yes
Air Purifying Filter Type			SPX-CFH20	SPX-CFH20	SPX-CFH20
Anti-bacterial Tangential Fan			Yes	Yes	Yes
H-Link Connectability			Yes	Yes	Yes
Weekly Timer Wired Remote Control			Option	Option	Option
Wired Remote Control			Option	Option	Option
Wired Remote Control Timer		Hr	12	12	12
Wireless Remote Control			Standard	Standard	Standard
Wireless Remote Control Timer		Hr	24	24	24

MULTIZONE combination. For capacity information please refer to Combination Table.

NOTES:

Cooling Capacities Conditions

Indoor Air Inlet Temperature: 27 °C DB
19 °C WB
Outdoor Air Inlet Temperature: 35 °C DB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Heating Capacities Conditions

Indoor Air Inlet Temperature: 20 °C DB
Outdoor Air Inlet Temperature: 7 °C DB
6 °C WB
7.5 meters
Piping Length: 7.5 meters
Piping Lift: 0 meters

Sound Pressure Level Measurement Distance

RAK
1m from discharge grille
0.8m beneath the unit's high centre
RAF
1m from discharge grille
Half of unit height from floor level
RAI
1.4 m beneath the unit
RAD
1.5 m beneath the unit
RAM
1m from suction/discharge grille
Approx. 1m from floor level



floor

Cut out floor mounted unit

RAF Technical Description

The latest addition to Hitachi's Room Air Conditioning range is the new Cut Out range of units, this includes the new Multizone Floor Mounted unit, fully compatible with Hitachi's Multizone outdoor units. Available in cooling and heating capacities from 2.5kW to 5.0kW, this new range still includes all the important features associated with Hitachi units such as R410A refrigerant, Hitachi DC scroll or DC twin rotary compressor and of course its DC inverter driven PAM technology.

Additional features of the new Cut Out range include:

Air flow control system

Lower blowing type

In heating mode

The warm air is controlled more accurately to stay at floor level.

In cooling mode

Cool air is controlled to be distributed more evenly around the room and not to be focused on one particular area.

Control options

This unit is available with a wider range of control systems including:

- Simple Weekly Timer
- Wired Remote Control
- H-Link adaptor



Available in a range of colours:

- White and Dark Silver
- Beige and Chocolate
- Detachable stand



White and Dark Silver



Beige and Chocolate

General Data

Model		RAF-25QH8	RAF-35QH8	RAF-50QH8
Power Supply		DC 35V	DC 35V	DC35V
Sound Pressure Level (Overall Scale)				
Cooling	dBA	38/31/26/20	40/31/26/20	44/36/29/22
Heating	dBA	38/32/26/20	39/32/26/20	45/36/30/22
Outer Dimensions (Net/(Carton))				
Height	mm	590(286)	590(286)	590(286)
Width	mm	750(800)	750(800)	750(800)
Depth	mm	215(646)	215(646)	215(646)
Weight	Kg	15(17)	15(17)	15(17)
Refrigerant		R410A	R410A	R410A
Flow Control		—	—	—
Indoor Fan				
Air Flow Rate Cooling	m³/min	9.5/8.0/6.0/4.5	11.4/8.5/6.5/4.5	12.5/9.0/7.5/5.0
Air Flow Rate Heating	m³/min	10.5/9.0/6.8/5.0	11.5/9.0/7.0/5.0	13.0/10.0/8.0/6.5
Refrigerant Piping				
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35(1/4)
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7(1/2)
Interconnection Wires	pcs	3	3	3
Auto Restart by Previous Mode		Yes	Yes	Yes
LED Self Diagnosis		Yes	Yes	Yes
Pre Filter		—	—	—
Air Purifying Filter Type		SPX-CFH15	SPX-CFH15	SPX-CFH15
Anti-bacterial Tangential Fan		—	—	—
H-Link Connectability		Yes	Yes	Yes
Wired Remote Control		Option	Option	Option
Wired Remote Control Timer	Hr	12	12	12
Wireless Remote Control		Standard	Standard	Standard
Wireless Remote Control Timer	Hr	24	24	24

MULTIZONE combination. For capacity information please refer to Combination Table.
* Option. Not included.

NOTES:

Cooling Capacities Conditions

Indoor Air Inlet Temperature: 27 °C DB
19 °C WB
Outdoor Air Inlet Temperature: 35 °C DB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Heating Capacities Conditions

Indoor Air Inlet Temperature: 20 °C DB
Outdoor Air Inlet Temperature: 7 °C DB
6 °C WB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Sound Pressure Level Measurement Distance

RAK
1m from discharge grille
0.8m beneath the unit's hight centre
RAF
1m from discharge grille
Half of unit height from floor level
RAI
1.4 m beneath the unit
RAD
1.5 m beneath the unit
RAM
1m from suction/discharge grille
Approx. 1m from floor level



60cm x 60cm cassette

RAI Technical Description



Fits into 60cm x 60cm ceiling module

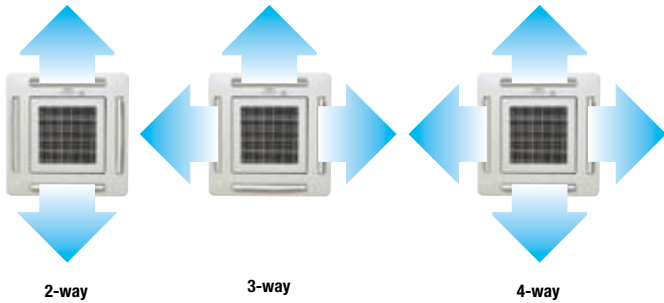
With it's compact design the 60cm x 60cm ceiling unit neatly fits inside a standard ceiling module which minimises the installation work.

Silent

The noise level is just 25dB (sleep mode) thanks to the 3D – twisted wing design of the compact turbo-fan.

Flexible air flow system

The user can select between 2-way, 3-way or 4 way operation of auto swing louvers.



Built-in drain pump

This ductable unit is equipped with an internal drain pump to remove accumulated condensation water from the drain pan even while it is operating. A float switch monitors the water level and automatically activates the pump as necessary.

One-touch panel

The panel can be swung open up to 90° with just one push so that the filter can be removed for cleaning.

General Data

Model		RAI-25NH5A	RAI-35NH5A	RAI-50NH5A	RAI-ECPM
Power Supply		DC 35V	DC 35V	DC 35V	DC 35V
Sound Pressure Level (Overall Scale)					
Cooling	dBA	35/32/29/25	39/34/29/26	43/35/32/29	–
Heating	dBA	36/33/30/27	40/36/32/29	43/36/32/30	–
Outer Dimensions (Net/(Carton))					
Height	mm	285(395)	285(395)	285(395)	650(710)
Width	mm	580(760)	580(760)	580(760)	650(710)
Depth	mm	580(706)	580(706)	580(706)	32(124)
Weight	Kg	20(25)	20(25)	20(25)	4(5)
Refrigerant		R410A	R410A	R410A	–
Flow Control		–	–	–	–
Indoor Fan					
Air Flow Rate Cooling	m³/min	8.5/7.0/5.8/5.5	10.8/8.0/5.8/5.5	12.0/8.0/5.8/5.5	–
Air Flow Rate Heating	m³/min	8.5/7.0/5.8/5.5	10.8/8.0/5.8/5.5	12.0/8.0/5.8/5.5	–
Refrigerant Piping					
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35(1/4)	–
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7(1/2)	–
Interconnection Wires	pcs	3	3	3	3
Auto Restart by Previous Mode		Yes	Yes	Yes	Yes
LED Self Diagnosis		Yes	Yes	Yes	Yes
Pre Filter		–	–	–	–
Air Purifying Filter Type		–	–	–	(SPX-CFH5)*
Anti-bacterial Tangential Fan		–	–	–	–
H-Link Connectability		Yes	Yes	Yes	–
Wired Remote Control		Option	Option	Option	–
Wired Remote Control Timer	Hr	12	12	12	–
Wireless Remote Control		Standard	Standard	Standard	–
Wireless Remote Control Timer	Hr	24	24	24	–

MULTIZONE combination. For capacity information please refer to Combination Table.
*Option. Not included.

NOTES:

Cooling Capacities Conditions

Indoor Air Inlet Temperature: 27 °C DB
19 °C WB
Outdoor Air Inlet Temperature: 35 °C DB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Heating Capacities Conditions

Indoor Air Inlet Temperature: 20 °C DB
Outdoor Air Inlet Temperature: 7 °C DB
6 °C WB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Sound Pressure Level Measurement Distance

RAK
1m from discharge grille
0.8m beneath the unit's high centre
RAF
1m from discharge grille
Half of unit height from floor level
RAI
1.4 m beneath the unit
RAD
1.5 m beneath the unit
RAM
1m from suction/discharge grille
Approx. 1m from floor level



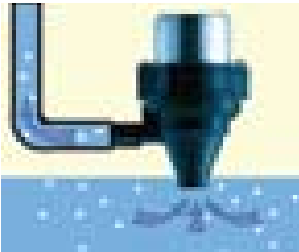


RAD Technical Description

- Compact design – 750 mm wide and 235 mm high
 - Newly developed wired remote controller with built in 12 hour timer
 - Optional remote controller also available using SPX-RCK1 remote control kit
 - Air in-take pre filter as standard
 - Air in-take direction can be horizontal or vertical by interchanging the bottom panel with the fan cover.
- Auto re-start by previous mode and Auto Changeover
 - Ready to connect to PCS-6RAD adapter

Built in drain pump

This ductable unit is equipped with an internal drain pump to remove accumulated condensation water from the drain pan even while it is operating. A float switch monitors the water level and automatically activates the pump as necessary.



General Data

Model		RAD-18NH7A	RAD-25NH7A	RAD-35NH7A	RAD-50NH7A
Power Supply		DC35V	DC35V	DC35V	DC35V
Sound Pressure Level (Overall Scale)					
Cooling	dBA	36/34/31/29	36/34/31/29	36/34/31/29	38/35/32/29
Heating	dBA	37/33/30/27	37/33/30/27	37/33/30/27	38/35/32/29
Outer Dimensions (Net/(Carton))					
Height	mm	235(594)	235(594)	235(594)	235(594)
Width	mm	750(806)	750(806)	750(806)	750(806)
Depth	mm	400(306)	400(306)	400(306)	400(306)
Weight	Kg	19(23)	19(23)	19(23)	19(23)
Refrigerant		R410A	R410A	R410A	R410A
Flow Control		–	–	–	–
Indoor Fan					
Air Flow Rate Cooling	m³/min	8.2/7.3/6.2/5.5	8.2/7.3/6.2/5.5	8.5/7.6/6.2/5.5	8.5/7.6/6.2/5.5
Air Flow Rate Heating	m³/min	9.2/7.5/6.2/5.5	9.2/7.5/6.2/5.5	9.3/7.6/6.2/5.5	9.3/7.6/6.2/5.5
Refrigerant Piping					
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7(1/2)
Interconnection Wires		pcs	3	3	3
Auto Restart by Previous Mode			Yes	Yes	Yes
LED Self Diagnosis			Yes	Yes	Yes
Pre Filter			Yes	Yes	Yes
Air Purifying Filter Type			–	–	–
Anti-bacterial Tangential Fan			–	–	–
H-Link Connectability			Yes	Yes	Yes
Wired Remote Control			Standard	Standard	Standard
Wired Remote Control Timer		Hr	12	12	12
Wireless Remote Control			Option	Option	Option
Wireless Remote Control Timer		Hr	24	24	24

MULTIZONE combination. For capacity information please refer to Combination Table.
 *Option. Not included.

NOTES:

Cooling Capacities Conditions

Indoor Air Inlet Temperature: 27 °C DB
 19 °C WB
 Outdoor Air Inlet Temperature: 35 °C DB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Heating Capacities Conditions

Indoor Air Inlet Temperature: 20 °C DB
 Outdoor Air Inlet Temperature: 7 °C DB
 6 °C WB
Piping Length: 7.5 meters
Piping Lift: 0 meters

Sound Pressure Level Measurement Distance

RAK
 1m from discharge grille
 0.8m beneath the unit's hight centre
RAF
 1m from discharge grille
 Half of unit height from floor level
RAI
 1.4 m beneath the unit
RAD
 1.5 m beneath the unit
RAM
 1m from suction/discharge grille
 Approx. 1m from floor level





The table below shows the units available in all kW capacities and the usual application.

	Monozone 1* (1 Room)				Multizone 2** (2 Rooms)		Multizone 3** (3 Rooms)	Multizone 4** (4 Rooms)		Multizone 5** (5 Rooms)	Multizone 6** (6 Rooms)
Model	25NH5	35NH5	50NH5	65NH5	40QH5	55QH5	65QH5	72QH5	80QH5	90QH5	130QH5
Max. nominal capacity of indoor unit combination (Kw)	2.5	3.5	5.0	6.0	6.0	7.5	8.8	11.0	12.0	15.0	17.6
Max pipe length (m)	20	20	20	30	35	35	45***	60	70	75	90****

* Nominal cooling capacity
** Maximum indoor combination nominal cooling capacities
*** Chargeless 35m
**** Chargeless 70m

Monozone/Multizone Combinations

		Monozone 1* (1 Room)	Multizone 2** (2 Rooms)	Multizone 3** (3 Rooms)	Multizone 4** (4 Rooms)	Multizone 5** (5 Rooms)	Multizone 6** (6 Rooms)			
Model										
		RAC-25NH5 RAC-35NH5 RAC-50NH5 RAC-65NH5	RAM-40QH5	RAM-55QH5	RAM-65QH5	RAM-72QH5	RAM-80QH5	RAM-90QH5	RAM-130QH5	
Combination of Indoor Unit Combination		Total								
1.8		1.8								
2.5		2.5	■							
3.5		3.5	■							
5.0		5.0	■							
6.0		6.0	■							
1.8 1.8		3.6		■	■	■	■	■		
1.8 2.5		4.3		■	■	■	■	■		
1.8 3.5		5.3		■	■	■	■	■		
1.8 5.0		6.8			■	■	■	■		
1.8 6.0		7.8				■		■		
2.5 2.5		5.0		■	■	■	■	■		
2.5 3.5		6.0		■	■	■	■	■		
2.5 5.0		7.5			■	■	■	■		
2.5 6.0		8.5				■		■		
3.5 3.5		7.0		■	■	■	■	■		
3.5 5.0		8.5			■	■	■	■		
3.5 6.0		9.5				■		■		
5.0 5.0		10.0				■	■	■		
5.0 6.0		11.0				■		■		
6.0 6.0		12.0						■		
1.8 1.8 1.8		5.4			■	■	■	■		
1.8 1.8 2.5		6.1			■	■	■	■		
1.8 1.8 3.5		7.1			■	■	■	■		
1.8 1.8 5.0		8.6			■	■	■	■		
1.8 1.8 6.0		9.6				■		■		
1.8 2.5 2.5		6.8			■	■	■	■		
1.8 2.5 3.5		7.8			■	■	■	■		
1.8 2.5 5.0		9.3				■	■	■		
1.8 2.5 6.0		10.3				■		■		
1.8 3.5 3.5		8.8			■	■	■	■		
1.8 3.5 5.0		10.3				■	■	■		
1.8 3.5 6.0		11.3						■		
1.8 5.0 5.0		11.8					■	■		
1.8 5.0 6.0		12.8						■		
1.8 6.0 6.0		13.8						■		
2.5 2.5 2.5		7.5			■	■	■	■		
2.5 2.5 3.5		8.5			■	■	■	■		
2.5 2.5 5.0		10.0				■	■	■		
2.5 2.5 6.0		11.0				■		■		
2.5 3.5 3.5		9.5				■	■	■		
2.5 3.5 5.0		11.0				■	■	■		
2.5 3.5 6.0		12.0						■		
2.5 5.0 5.0		12.5						■		
2.5 5.0 6.0		13.5						■		
2.5 6.0 6.0		14.5						■		
3.5 3.5 3.5		10.5				■	■	■		
3.5 3.5 5.0		12.0					■	■		
3.5 3.5 6.0		13.0						■		
3.5 5.0 5.0		13.5						■		
3.5 5.0 6.0		14.5						■		
3.5 6.0 6.0		15.5						■		
5.0 5.0 5.0		15.0								
Max Total Combination Capacity			6.0	6.0	7.5	8.8	11.0	12.0	15.5	17.6

- At least two indoor units should be connected
- At least two indoor units should be connected (RAM-90QH5)
- At least four indoor units should be connected (RAM-130QH5)



Monozone/Multizone Combinations continued

								Monozone 1* (1 Room)	Multizone 2** (2 Rooms)	Multizone 3** (3 Rooms)	Multizone 4** (4 Rooms)	Multizone 5** (5 Rooms)	Multizone 6** (6 Rooms)			
Model																
									RAC-25NH5							
									RAC-35NH5							
									RAC-50NH5							
								RAC-65NH5	RAM-40QH5	RAM-55QH5	RAM-65QH5	RAM-72QH5	RAM-80QH5	RAM-90QH5	RAM-130QH5	
Combination of Indoor Unit																
Combination								Total								
1.8	1.8	1.8	1.8					7.2								
1.8	1.8	1.8	2.5					7.9								
1.8	1.8	2.5	2.5					8.6								
1.8	1.8	1.8	3.5					8.9								
1.8	1.8	2.5	3.5					9.6								
1.8	1.8	1.8	5.0					10.4								
1.8	1.8	1.8	6.0					11.4								
1.8	1.8	2.5	5.0					11.1								
1.8	1.8	2.5	6.0					12.1								
1.8	1.8	3.5	3.5					10.6								
1.8	1.8	3.5	5.0					12.1								
1.8	1.8	3.5	6.0					13.1								
1.8	1.8	5.0	5.0					13.6								
1.8	1.8	5.0	6.0					14.6								
1.8	2.5	2.5	2.5					9.3								
1.8	2.5	2.5	5.0					11.8								
1.8	2.5	2.5	6.0					12.8								
1.8	2.5	2.5	3.5					10.3								
1.8	2.5	3.5	3.5					11.3								
1.8	2.5	3.5	5.0					12.8								
1.8	2.5	3.5	6.0					13.8								
1.8	2.5	5.0	5.0					14.3								
1.8	2.5	5.0	6.0					15.3								
1.8	3.5	3.5	3.5					12.3								
1.8	3.5	3.5	5.0					13.8								
1.8	3.5	3.5	6.0					14.8								
1.8	3.5	5.0	5.0					15.3								
2.5	2.5	2.5	2.5					10.0								
2.5	2.5	2.5	3.5					11.0								
2.5	2.5	2.5	5.0					12.5								
2.5	2.5	2.5	6.0					13.5								
2.5	2.5	3.5	3.5					12.0								
2.5	2.5	3.5	5.0					13.5								
2.5	2.5	3.5	6.0					14.0								
2.5	2.5	5.0	5.0					15.0								
2.5	3.5	3.5	3.5					13.0								
2.5	3.5	3.5	5.0					14.5								
2.5	3.5	3.5	6.0					15.5								
3.5	3.5	3.5	3.5					14.0								
3.5	3.5	3.5	5.0					15.5								
3.5	3.5	5.0	5.0					17.0								
1.8	1.8	1.8	1.8	1.8	1.8			9.0								
1.8	1.8	1.8	1.8	1.8	2.5			9.7								
1.8	1.8	1.8	1.8	1.8	3.5			10.7								
1.8	1.8	1.8	1.8	1.8	5.0			12.2								
1.8	1.8	1.8	1.8	1.8	6.0			13.2								
1.8	1.8	1.8	1.8	2.5	2.5			10.4								
1.8	1.8	1.8	1.8	2.5	3.5			11.4								
1.8	1.8	1.8	1.8	2.5	5.0			12.9								
1.8	1.8	1.8	1.8	2.5	6.0			13.9								
1.8	1.8	1.8	1.8	3.5	3.5			12.4								
1.8	1.8	1.8	1.8	3.5	5.0			13.9								
1.8	1.8	1.8	1.8	3.5	6.0			14.9								
1.8	1.8	1.8	1.8	5.0	5.0			15.4								
Max Total Combination Capacity								6.0	6.0	7.5	8.8	11.0	12.0	15.5	17.6	

■ At least two indoor units should be connected
■ At least two indoor units should be connected (RAM-90QH5)
■ At least four indoor units should be connected (RAM-130QH5)

Monozone/Multizone Combinations continued

							Monozone 1* (1 Room)	Multizone 2** (2 Rooms)	Multizone 3** (3 Rooms)	Multizone 4** (4 Rooms)	Multizone 5** (5 Rooms)	Multizone 6** (6 Rooms)			
Model							 RAC-25NH5 RAC-25NH5 RAC-50NH5 RAC-65NH5								
Combination of Indoor Unit Combination							Total								
Five Units	1.8	1.8	2.5	2.5	2.5		11.1						■	■	
	1.8	1.8	2.5	2.5	3.5		12.1						■	■	
	1.8	1.8	2.5	2.5	5.0		13.6						■	■	
	1.8	1.8	2.5	2.5	6.0		14.6						■	■	
	1.8	1.8	2.5	3.5	3.5		13.1						■	■	
	1.8	1.8	2.5	3.5	5.0		14.6						■	■	
	1.8	1.8	3.5	3.5	3.5		14.1						■	■	
	1.8	2.5	2.5	2.5	2.5		11.8						■	■	
	1.8	2.5	2.5	2.5	3.5		12.8						■	■	
	1.8	2.5	2.5	2.5	5.0		14.3						■	■	
	1.8	2.5	2.5	2.5	6.0		15.3						■	■	
	1.8	2.5	2.5	3.5	3.5		13.8						■	■	
	1.8	2.5	2.5	3.5	5.0		15.3						■	■	
	1.8	2.5	3.5	3.5	3.5		14.8						■	■	
	1.8	3.5	3.5	3.5	3.5		15.8							■	■
	2.5	2.5	2.5	2.5	2.5		12.5						■	■	■
	2.5	2.5	2.5	2.5	3.5		13.5						■	■	■
	2.5	2.5	2.5	2.5	5.0		15.0						■	■	■
	2.5	2.5	2.5	3.5	3.5		14.5						■	■	■
	2.5	2.5	2.5	3.5	5.0		16.0						■	■	■
	2.5	2.5	3.5	3.5	3.5		15.5						■	■	■
	2.5	2.5	3.5	3.5	5.0		17.0							■	■
	1.8	1.8	1.8	1.8	1.8	1.8	10.8								■
	1.8	1.8	1.8	1.8	1.8	2.5	11.5								■
	1.8	1.8	1.8	1.8	1.8	3.5	12.5								■
	1.8	1.8	1.8	1.8	1.8	5.0	14.0								■
	1.8	1.8	1.8	1.8	2.5	2.5	12.2								■
	1.8	1.8	1.8	1.8	2.5	3.5	13.2								■
	1.8	1.8	1.8	1.8	2.5	5.0	14.7								■
	1.8	1.8	1.8	1.8	3.5	3.5	14.2								■
	1.8	1.8	1.8	1.8	3.5	5.0	15.7								■
	1.8	1.8	1.8	1.8	5.0	5.0	17.2								■
	1.8	1.8	1.8	2.5	2.5	2.5	12.9								■
	1.8	1.8	1.8	2.5	2.5	3.5	13.9								■
1.8	1.8	1.8	2.5	2.5	5.0	15.4								■	
1.8	1.8	1.8	2.5	3.5	3.5	14.9								■	
1.8	1.8	1.8	2.5	3.5	5.0	16.4								■	
1.8	1.8	1.8	3.5	3.5	3.5	15.9								■	
1.8	1.8	1.8	3.5	3.5	5.0	17.4								■	
1.8	1.8	2.5	2.5	2.5	2.5	13.6								■	
1.8	1.8	2.5	2.5	2.5	3.5	14.6								■	
1.8	1.8	2.5	2.5	2.5	5.0	16.1								■	
1.8	1.8	2.5	2.5	3.5	3.5	15.6								■	
1.8	1.8	2.5	2.5	3.5	5.0	17.1								■	
1.8	1.8	2.5	3.5	3.5	3.5	16.6								■	
1.8	1.8	3.5	3.5	3.5	3.5	17.6								■	
1.8	2.5	2.5	2.5	2.5	2.5	14.3								■	
1.8	2.5	2.5	2.5	2.5	3.5	15.3								■	
1.8	2.5	2.5	2.5	3.5	3.5	16.3								■	
1.8	2.5	2.5	3.5	3.5	3.5	17.3								■	
2.5	2.5	2.5	2.5	2.5	2.5	15.0								■	
2.5	2.5	2.5	2.5	2.5	3.5	16.0								■	
2.5	2.5	2.5	2.5	3.5	3.5	17.0								■	
Max Total Combination Capacity							6.0	6.0	7.5	8.8	11.0	12.0	15.5	17.6	

■ At least two indoor units should be connected
■ At least two indoor units should be connected (RAM-90QH5)
■ At least four indoor units should be connected (RAM-130QH5)

Monozone – Technical Description

Model		Indoor Outdoor	RAK-25NH6A RAC-25NH5	RAK-35NH6A RAC-35NH5	RAK-50NH6A RAC-50NH5	RAK-65NH5A RAC-65NH5
Power Supply		AC 1Ph 220-230V 50Hz				
Nominal (min-max) Cooling Capacity	KW		2.5(1.0-3.1)	3.5(1.0-4.0)	5.0(0.9-5.2)	6.05(0.9-6.5)
Nominal (min- max) Heating Capacity	KW		3.4(1.1-4.4)	4.2(1.1-5.0)	6.5(0.9-8.1)	7.05(0.9-9.0)
Total Input						
Cooling	W		750(200-880)	1090(200-1300)	1780(155-2200)	2300(155-2500)
Heating	W		870(200-1120)	1080(200-1300)	1970(155-2100)	2400(115-2700)
Total Current						
Cooling	A		3.44-3.29	5.00-4.78	8.14-7.82	10.60-10.10
Heating	A		3.99-3.82	4.96-4.74	9.00-8.65	11.00-10.54
EER/COP						
Cooling			3.33	3.21	2.81	2.63
Heating			3.91	3.89	3.30	2.94
Sound Pressure Level (Overall Scale)						
Cooling	dBA		38/32/26/20	41/35/29/25	47/39/31/27	47/42/33/28
Heating	dBA		39/33/27/23	41/35/30/26	47/39/31/27	47/42/34/33
Condenser Sound Pressure Level						
Cooling	dBA		46	47	50	50
Heating	dBA		46	49	52	53
Indoor Outer Dimensions (Net/(Carton))						
Height	mm		280(279)	280(279)	280(279)	295(271)
Width	mm		780(828)	780(828)	780(828)	1030(1100)
Depth	mm		220(341)	220(341)	220(341)	191(368)
Weight	Kg		9.5(11)	9.5(11)	9.5(11)	11(13)
Condenser Outer Dimensions (Net/(Carton))						
Height	mm		570(633)	570(633)	650(698)	650(698)
Width	mm		750(905)	750(905)	850(1008)	850(1008)
Depth	mm		280(394)	280(394)	298(394)	298(394)
Weight	Kg		38(43)	38(43)	45(50)	45(50)
Cabinet Colour (Munsell Code)			Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant			R410A	R410A	R410A	R410A
Flow Control			Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve
Compressor						
Type x Qty			DC Twin Rotary x1	DC Twin Rotary x1	DC Twin Rotary x1	DC Twin Rotary x1
Indoor Fan						
Air Flow Rate Cooling	m³/min		8.5/7.0/6.0/4.8	10.1/8.0/6.5/5.8	13.5/10.0/6.8/6.0	13.5/12.5/11.3/9.6
Air Flow Rate Heating	m³/min		9.5/8.0/7.0/4.8	10.8/8.5/7.5/5.8	13.5/10.0/6.8/6.5	13.5/12.5/11.3/10.9
Condenser Fan						
Type			DC360V	DC360V	DC360V	DC360V
Air Flow Rate Cooling/Heating	m³/min		27/27	27/27	36/36	36/36
Usable Outdoor Temperature						
Cooling	—		-10-43	-10-43	-10-43	-10-43
Heating	—		-15-21	-15-21	-15-21	-15-21

Monozone – Technical Description

Model		Indoor Outdoor	RAK-25NH6A RAC-25NH5	RAK-35NH6A RAC-35NH5	RAK-50NH6A RAC-50NH5	RAK-65NH5A RAC-65NH5
Refrigerant Piping						
Liquid Line	mm (in)		6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)
Gas Line	mm (in)		9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)
Pipe Run						
Max Pipe Length	m		20	20	20	30
(Chargeless)	m		20	20	20	20
Individual Pipe Length	m		—	—	—	—
Max Pipe Lift	m		10	10	10	10
Interconnection wires	pcs		3	3	3	3
Recommended Fuse Size	A		16	16	16	16
Auto Restart by Previous Mode			Yes	Yes	Yes	Yes
Auto Changeover			Yes	Yes	Yes	Yes
LED Self Diagnosis			Yes	Yes	Yes	Yes
Normal Pre Filter			Yes	Yes	Yes	Yes
Nano Stainless Pre-filter			Option	Option	Option	Option
Air Purifying Filter Type			SPX-CFH20	SPX-CFH20	SPX-CFH20	SPX-CFH5
Anti-bacterial Tangential Fan			Yes	Yes	Yes	Yes
Plasma Ion Unit			—	—	—	—
Extended Airflow			—	—	—	—
H-Link Connectability			Yes	Yes	Yes	Yes
Weekly Timer Wired Remote Control			Option	Option	Option	Option
Wired Remote Control			Option	Option	Option	Option
Wired Remote Control Timer	Hr		12	12	12	12
Wireless Remote Control			Standard	Standard	Standard	Standard
Wireless Remote Control Timer	Hr		24	24	24	24

NOTES:	
Cooling Capacities Conditions	
Indoor Air Inlet Temperature:	27 °C DB 19 °C WB
Outdoor Air Inlet Temperature:	35 °C DB
Piping Length:	7.5 meters
Piping Lift:	0 meters
Heating Capacities Conditions	
Indoor Air Inlet Temperature:	20 °C DB
Outdoor Air Inlet Temperature:	7 °C DB 6 °C WB
Piping Length:	7.5 meters
Piping Lift:	0 meters



Monozone – Technical Description

Model	Indoor Outdoor	RAI-25NH5A RAC-25NH5	RAI-35NH5A RAC-35NH5	RAI-50NH5A RAC-50NH5	RAI-ECPM
Power Supply		AC 1Ph 220-230V 50Hz			
Nom. (min-max) Cooling Capacity	kW	2.5(0.9-3.0)	3.5(0.9-4.0)	5.0(0.9-5.2)	–
Nom. (min- max) Heating Capacity	kW	3.5(0.9-5.0)	4.8(0.9-6.6)	6.5(0.9-8.1)	–
Total Input					
Cooling	W	695(155-1050)	1100(155-1280)	1990(155-2200)	–
Heating	W	940(155-1400)	1360(155-1920)	2160(155-2700)	–
Total Current					
Cooling	A	3.20-3.05	5.05-4.85	9.15-8.70	–
Heating	A	4.35-4.15	6.30-6.00	10.00-9.60	–
EER/COP					
Cooling		3.60	3.18	2.51	–
Heating		3.72	3.53	3.01	–
Sound Pressure Level (Overall Scale)					
Cooling	dBA	35/32/29/25	39/34/29/26	43/35/32/29	–
Heating	dBA	36/33/30/27	40/36/32/29	43/36/32/30	–
Condenser Sound Pressure Level					
Cooling	dBA	46	47	50	–
Heating	dBA	46	49	52	–
Indoor Outer Dimensions (Net/Carton)					
Height	mm	285(395)	285(395)	285(395)	650(710)
Width	mm	580(760)	580(760)	580(760)	650(710)
Depth	mm	580(706)	580(706)	580(706)	32(124)
Weight	Kg	20(25)	20(25)	20(25)	4(5)
Condenser Outer Dimensions (Net/Carton)					
Height	mm	570(633)	570(633)	650(698)	–
Width	mm	750(905)	750(905)	850(1008)	–
Depth	mm	280(394)	280(394)	298(394)	–
Weight	Kg	38(43)	38(43)	45(50)	–
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)	–
Refrigerant		R410A	R410A	R410A	–
Flow Control		Expansion Valve	Expansion Valve	Expansion Valve	–
Compressor					
Type x Qty		DC Twin Rotary x1	DC Twin Rotary x1	DC Twin Rotary x1	DC Twin Rotary x1
Indoor Fan					
Air Flow Rate Cooling	m³/min	8.5/7.0/5.8/5.5	10.8/8.0/5.8/5.5	12.0/8.0/5.8/5.5	–
Air Flow Rate Heating	m³/min	8.5/7.0/5.8/5.5	10.8/8.0/5.8/5.5	12.0/8.0/5.8/5.5	–
Condenser Fan					
Type		DC360V	DC360V	DC360V	–
Air Flow Rate Cooling/Heating	m³/min	27/27	27/27	36/36	–
Usable Outdoor Temperature					
Cooling	–	-10-43	-10-43	-10-43	–
Heating	–	-15-21	-15-21	-15-21	–
Refrigerant Piping					
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	–
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7(1/2)	–
Pipe Run					
Max Pipe Length	m	20	20	20	–
(Chargeless)	m	20	20	20	–
Individual Pipe Length	m	–	–	–	–
Max Pipe Lift	m	10	10	10	–
Interconnection Wire	pcs	3	3	3	–
Recommended Fuse Size	A	16	16	16	–
Auto Restart by Previous Mode		Yes	Yes	Yes	–
Auto Changeover		Yes	Yes	Yes	–
LED Self Diagnosis		Yes	Yes	Yes	–
Normal Pre Filter		Yes	Yes	Yes	–
Nano Stainless Pre-filter		–	–	–	–
Air Purifying Filter Type		–	–	–	(SPX-CPH)*
Anti-bacterial Tangential Fan		–	–	–	–
Plasma Ion Unit		–	–	–	–
Extended Airflow		–	–	–	–
H-Link Connectability		Yes	Yes	Yes	–
Weekly Timer Wired Remote Control		Option	Option	Option	–
Wired Remote Control		Option	Option	Option	–
Wired Remote Control Timer	Hr	12	12	12	–
Wireless Remote Control		Yes	Yes	Yes	–
Wireless Remote Control Timer	Hr	24	24	24	–

Monozone – Technical Description

Model	Indoor Outdoor	RAD-25NH7A RAC-25NH5	RAD-35NH7A RAC-35NH5	RAD-50NH7A RAC-50NH5
Power Supply				
Nominal (min-max) Cooling Capacity	KW	2.5(0.9-3.0)	3.5(0.9-4.0)	5.0(0.9-5.6)
Nominal (min- max) Heating Capacity	KW	3.5(0.9-5.0)	4.8(0.9-6.6)	6.0(0.9-7.5)
Total Input				
Cooling	W	695(155-1050)	1240(155-1280)	2000(155-2060)
Heating	W	970(155-1400)	1700(155-1920)	2300(155-2530)
Total Current				
Cooling	A	3.20-3.05	5.70-5.45	9.20-8.78
Heating	A	4.50-4.26	7.84-7.47	10.60-10.10
EER/COP				
Cooling		3.60	2.82	2.50
Heating		3.61	2.82	2.61
Sound Pressure Level (Overall Scale)				
Cooling	dBA	36/34/31/29	36/34/31/29	38/35/32/29
Heating	dBA	37/33/30/27	37/33/30/27	38/35/32/29
Condenser Sound Pressure Level				
Cooling	dBA	46	47	50
Heating	dBA	46	49	52
Indoor Outer Dimensions (Net/(Carton))				
Height	mm	235(306)	235(306)	235(306)
Width	mm	750(806)	750(806)	750(806)
Depth	mm	400(594)	400(594)	400(594)
Weight	Kg	19(23)	19(23)	19(23)
Condenser Outer Dimensions (Net/(Carton))				
Height	mm	570(633)	570(633)	650(698)
Width	mm	750(905)	750(905)	850(1008)
Depth	mm	280(394)	280(394)	298(394)
Weight	Kg	38(43)	38(43)	45(50)
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant		R410A	R410A	R410A
Flow Control		Expansion Valve	Expansion Valve	Expansion Valve
Compressor				
Type x Qty		DC Twin Rotary x1	DC Twin Rotary x1	DC Twin Rotary x1
Indoor Fan				
Air Flow Rate Cooling	m³/min	8.2/7.3/6.2/5.5	8.5/7.6/6.2/5.5	8.5/7.6/6.2/5.5
Air Flow Rate Heating	m³/min	9.2/7.5/6.2/5.5	9.3/7.6/6.2/5.5	9.3/7.6/6.2/5.5
Condenser Fan				
Type		DC360V	DC360V	DC360V
Air Flow Rate Cooling/Heating	m³/min	27/27	27/27	'36/36
Usable Outdoor Temperature				
Cooling	–	-10-43	-10-43	-10-43
Heating	–	-15-21	-15-21	-15-21
Refrigerant Piping				
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7(1/2)
Pipe Run				
Max Pipe Length	m	20	20	20
(Chargeless)	m	20	20	20
Individual Pipe Length	m	–	–	–
Max Pipe Lift	m	10	10	10
Interconnection wires	pcs	3	3	3
Recommended Fuse Size	A	16	16	16
Auto Restart by Previous Mode		Yes	Yes	Yes
Auto Changeover		Yes	Yes	Yes
LED Self Diagnosis		Yes	Yes	Yes
Normal Pre Filter		Yes	Yes	Yes
Nano Stainless Pre-filter		–	–	–
Air Purifying Filter Type		–	–	–
Anti-bacterial Tangential Fan		–	–	–
Plasma Ion Unit		–	–	–
Extended Airflow		–	–	–
H-Link Connectability		Yes	Yes	Yes
Weekly Timer Wired Remote Control		Option	Option	Option
Wired Remote Control		Yes	Yes	Yes
Wired Remote Control Timer	Hr	12	12	12
Wireless Remote Control		Option	Option	Option
Wireless Remote Control Timer	Hr	24	24	24

Multizone – Technical Description

Model			RAM-40QH5	RAM-55QH5	RAM-65QH5
Power Supply			AC 1Ph 220-230V 50Hz		
Nominal (min-max) Cooling Capacity	kW		4.0 (1.0-4.5)	5.4 (1.5-5.9)	6.3 (1.5-6.6)
Nominal (min- max) Heating Capacity	kW		5.0 (1.1-5.6)	7.2 (1.5-7.2)	7.2 (1.5-7.2)
Sound Pressure Level (Overall Scale)					
Cooling (Night Mode)	dBA		49(43)	52(45)	52(45)
Heating (Night Mode)	dBA		51(44)	53(45)	53(45)
Outer Dimensions (Net/(Carton)					
Height	mm		570(633)	650(698)	650(698)
Width	mm		750(905)	850(1008)	850(1008)
Depth	mm		280(394)	298(394)	298(394)
Weight	Kg		40(44)	50(55)	50(55)
Cabinet Colour (Munsell Code)			Beige (5Y7/2)	Beige (5Y7/2)	Beige (5Y7/2)
Refrigerant			R410A	R410A	R410A
Flow Control			Expansion Valve	Expansion Valve	Expansion Valve
Compressor					
Type			DC Twin Rotary	DC Twin Rotary	DC Twin Rotary
Quantity	set		1	1	1
Condenser Fan					
Type			DC350V	DC350V	DC350V
Air Flow Rate Cooling/Heating	m³/min		27/27	36/36	36/36
Usable Outdoor Temperature					
Cooling	—		-10-43	-10-43	-10-43
Heating	—		-15-21	-15-21	-15-21
Refrigerant Piping				Flair Nut/Flange Connection	
Liquid Line	mm (in)		6.35(1/4)x 2	6.35 (1/4) x 2	6.35 (1/4) x 3
Gas Line	mm (in)		9.52(3/8)x 2	9.52 (3/8) x 2	9.52 (3/8) x 3
Pipe Run					
Max Pipe Length	m		35	35	45
Max Changeless Length	m		35	35	35
Additional Charge	g/m		—	—	20
Individual Pipe Length	m		25	25	25
Max Pipe Lift	m		10	10	10
Starting current	A		10	10	10
Recommended Fuse Size	A		16	16	16
Interconnection wires	pcs		3	3	3
LED Self Diagnosis			Yes	Yes	Yes

NOTES:					
Cooling Capacities Conditions		Heating Capacities Conditions		Sound Pressure Level Measurement Distance:	
Indoor Air Inlet Temperature:	27 °C DB 19 °C WB 35 °C DB	Indoor Air Inlet Temperature:	20 °C DB 7 °C DB 6 °C WB	1m from suction/discharge grille	
Outdoor Air Inlet Temperature:		Outdoor Air Inlet Temperature:		Approx. 1m from floor level	
Piping Length:	7.5 meters	Piping Length:	7.5 meters		
Piping Lift:	0 meters	Piping Lift:	0 meters		

Multizone – Technical Description

Model			RAM-72QH5	RAM-80QH5	RAM-90QH5	RAM-130QH5
Power Supply			AC 1Ph 220-230V 50Hz			
Nominal (min-max) Cooling Capacity	kW		7.1(2.4-8.8)	8.0(3.0-9.2)	9.0(3.2-9.9)	12.6(1.50-13.20)
Nominal (min- max) Heating Capacity	kW		8.6(2.6-9.5)	11.0(3.0-12.4)	11.0(3.4-12.1)	14.4(1.50-14.40)
Sound Pressure Level (Overall Scale)						
Cooling (Night Mode)	dBA		53(46)	49(43)	55(46)	55(48)
Heating (Night Mode)	dBA		56(48)	51(43)	58(52)	56(48)
Outer Dimensions (Net/(Carton)						
Height	mm		800(848)	830(880)	800(867)	1450(1590)
Width	mm		850(1008)	850(997)	950(1073)	855(1070)
Depth	mm		298(394)	340(430)	370(510)	308(450)
Weight	Kg		55(60)	79(83)	71(78)	113(123)
Cabinet Colour (Munsell Code)			Beige (5Y7/2)	Beige (5Y7/2)	Beige (5Y7/2)	Beige (5Y7/2)
Refrigerant			R410A	R410A	R410A	R410A
Flow Control			Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve
Compressor						
Type			DC Twin Rotary	DC Scroll	DC Twin Rotary	DC Twin Rotary
Quantity	set		1	2	1	2
Condenser Fan						
Type			DC350V	DC350V	DC350V	DC350V (2 PCS)
Air Flow Rate Cooling/Heating	m³/min		45/45	43/49	65	72/72
Usable Outdoor Temperature						
Cooling	—		-10-43	10-43	-10-43	-10-43
Heating	—		-15-21	-15-21	-15-21	-15-21
Refrigerant Piping						
Liquid Line	mm (in)		6.35 (1/4) x 4	6.35 (1/4) x 4	6.35 (1/4) x 5	6.35 (1/4) x 6
Gas Line	mm (in)		9.52 (3/8) x 3, 12.7(1/2) x1	9.52 (3/8) x 4	9.52 (3/8) x 3, 12.7 (1/2) x 2	9.52 (3/8) x 6
Pipe Run						
Max Pipe Length	m		60	35+35	75	Indoor 45 Indoor 45
Max Changeless Length	m		30	35+35	30	1, 2, 3 35 4, 5, 6 35
Additional Charge	g/m		20	—	15	20 20
Individual Pipe Length	m		25	25	25	25 25
Max Pipe Lift	m		10	10	10	10 10
Starting current	A		16	14.5	19	20
Recommended Fuse Size	A		30	16	30	30
Interconnection wires	pcs		3	3	3	3
LED Self Diagnosis			Yes	Yes	Yes	Yes

* At least two indoor units should be connected (RAM-90QH5)
* At least four indoor units should be connected (RAM-130QH5)

NOTES:					
Cooling Capacities Conditions		Heating Capacities Conditions		Sound Pressure Level Measurement Distance:	
Indoor Air Inlet Temperature:	27 °C DB 19 °C WB 35 °C DB	Indoor Air Inlet Temperature:	20 °C DB 7 °C DB 6 °C WB	1m from suction/discharge grille	
Outdoor Air Inlet Temperature:		Outdoor Air Inlet Temperature:		Approx. 1m from floor level	
Piping Length:	7.5 meters	Piping Length:	7.5 meters		
Piping Lift:	0 meters	Piping Lift:	0 meters		
Refrigerant Piping		Pipe Run		Indoor 1, 2, 3 45 Indoor 4, 5, 6 35	
Liquid Line	mm (in)	Max Pipe Length	m	60	35+35
Gas Line	mm (in)	Max Changeless Length	m	30	35+35
		Additional Charge	g/m	20	—
		Individual Pipe Length	m	25	25
		Max Pipe Lift	m	10	10
Starting current		Recommended Fuse Size		Interconnection wires	
A		16		pcs	
		14.5		3	
		19		3	
		20		Yes	
		Yes		Yes	
		Yes		Yes	
		Yes		Yes	



Monozone/Multizone Combinations

Models		RAC-25/35/50/65NH5							
Combination of Indoor Units		Cooling Mode				Heating Mode			
		Total Capacity (kW)	Total Input (W)	Total Current (A)	EER	Total Capacity (kW)	Total Input (W)	Total Current (A)	COP
RAC-25NH5	RAK-25NH5/NH6	2.5 (0.9-3.0)	695 (155-1050)	3.20	3.60	3.5 (0.9-5.0)	900 (115-1400)	4.15	3.89
	RAF-25NH5	2.5 (0.9-3.0)	695 (155-1050)	3.20	3.60	3.5 (0.9-5.0)	900 (115-1400)	4.15	3.89
	RAI-25NH5	2.5 (0.9-3.0)	695 (155-1050)	3.20	3.60	3.5 (0.9-5.0)	940 (155-1400)	4.35	3.72
	RAD-25NH7	2.5 (0.9-3.0)	695 (155-1050)	3.20	3.60	3.5 (0.9-5.0)	970 (155-1400)	4.50	3.61
RAC-35NH5	RAK-35NH5/NH6	3.5 (0.9-4.0)	1080 (155-1280)	4.95	3.24	4.8 (0.9-6.6)	1320 (115-1920)	6.10	3.64
	RAF-35NH5	3.5 (0.9-4.0)	1080 (155-1280)	4.95	3.24	4.8 (0.9-6.6)	1320 (115-1920)	6.10	3.64
	RAI-35NH5	3.5 (0.9-4.0)	1100 (155-1280)	5.00	3.18	4.8 (0.9-6.6)	1360 (155-1920)	6.30	3.53
	RAD-35NH7	3.5 (0.9-4.0)	1240 (155-1280)	5.70	2.82	4.8 (0.9-6.6)	1700 (155-1920)	7.84	2.82
RAC-50NH5	RAK-50NH5/NH6	5.0 (0.9-5.2)	1780 (155-2230)	8.14	2.81	6.5 (0.9-8.1)	1970 (115-2700)	9.00	3.30
	RAF-50NH5	5.0 (0.9-5.2)	1780 (155-2230)	8.15	2.81	6.7 (0.9-8.1)	1850 (115-2700)	8.60	3.62
	RAI-50NH5	5.0 (0.9-5.2)	1990 (155-2200)	9.15	2.51	6.5 (0.9-8.1)	2160 (155-2700)	10.00	3.01
	RAD-50NH7	5.0 (0.9-5.6)	2060 (155-2000)	9.20	2.50	6.0 (0.9-7.5)	2300 (155-2530)	10.60	2.61
RAC-65NH5	RAK-65NH5	6.0 (0.9 - 6.5)	2300 (155-2500)	10.10	2.63	7.05 (0.9-9.0)	2400 (115-2700)	10.50	2.94
	-	-	-	-	-	-	-	-	

Models		RAM-40QH5									
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode				
	Total (kW)	Capacity (kW)	Total	Outdoor Unit		EER	Capacity (kW)	Total	Outdoor Unit		COP
				Total Input (W)	Total Current (A)				Total Input (W)	Total Current(A)	
One Unit	1.8	1.8 (1.00-2.50)	1.8	560 (200-750)	2.5	3.21	2.50 (1.10-3.20)	2.5	690 (200-970)	3.0	3.62
	2.5	2.5 (1.00-3.10)	2.5	750 (200-880)	3.3	3.33	3.40 (1.10-4.40)	3.4	870 (200-1120)	3.8	3.91
	3.5	3.5 (1.00-4.00)	3.5	1090 (200-1300)	4.8	3.21	4.20 (1.10-5.00)	4.2	1080 (200-1300)	4.7	3.89
	1.8+1.8	3.6 (1.50-4.00)	3.6	1190 (200-1680)	5.2	3.03	2.25+2.25 (1.50-5.20)	4.5	1100 (200-1480)	4.8	4.09
Two Units	1.8+2.5	4.3 (1.50-4.50)	4.0	1245 (200-1720)	5.5	3.21	2.20+2.60 (1.50-5.40)	4.8	1240 (200-1750)	5.4	3.87
	2.5+2.5	5.0 (1.50-4.50)	4.0	1245 (200-1800)	5.5	3.21	2.50+2.50 (1.50-5.60)	5.0	1350 (200-1780)	5.9	3.70
	1.8+3.5	5.3 (1.50-4.50)	3.0	1245 (200-1800)	5.5	2.41	1.70+3.30 (1.50-5.60)	5.0	1350 (200-1780)	5.9	3.70
	2.5+3.5	6.0 (1.50-4.50)	4.0	1245 (200-1800)	5.5	3.21	2.00+3.00 (1.50-5.60)	5.0	1350 (200-1780)	5.9	3.70

*At least two indoor units should be connected

Monozone/Multizone Combinations

Models		RAM-55QH5									
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode				
	Total (kW)	Capacity (kW)	Total	Outdoor Unit		EER	Capacity (kW)	Total	Outdoor Unit		COP
				Total Input (W)	Total Current (A)				Total Input (W)	Total Current(A)	
One Unit	1.8	1.8 (1.00-2.50)	1.80	560 (200-750)	2.5	3.21	2.50 (1.10-3.20)	2.50	750 (200-1050)	3.3	3.33
	2.5	2.5 (1.00-2.80)	2.50	780 (200-980)	3.4	3.33	3.90 (1.10-4.70)	3.90	1145 (200-1380)	5.0	3.41
	3.5	3.5 (1.00-3.90)	3.50	1160 (200-1380)	5.1	3.21	4.80 (1.10-5.80)	4.80	1550 (200-1870)	6.8	3.10
	5.0	5.0 (1.00-5.60)	5.00	1780 (200-1960)	7.8	3.21	6.50 (1.10-7.20)	6.50	2400 (200-2660)	10.5	2.71
Two Units	1.8+1.8	3.6 (1.50-4.00)	3.60	1190 (200-1300)	5.2	3.03	2.50+2.50 (1.50-5.20)	5.00	1460 (200-1550)	6.4	3.42
	1.8+2.5	4.3 (1.50-4.60)	4.20	1310 (200-1450)	5.8	3.21	2.40+3.80 (1.50-6.30)	6.20	1820 (200-1920)	8.0	3.41
	1.8+3.5	5.3 (1.50-5.60)	5.00	1650 (200-1820)	7.2	3.03	2.30+4.50 (1.50-7.20)	6.80	1995 (200-2100)	8.8	3.41
	1.8+5.0	6.8 (1.50-5.90)	5.40	1795 (200-1980)	7.9	3.01	2.00+5.00 (1.50-7.20)	7.00	2050 (200-2100)	9.0	3.41
	2.5+2.5	5.0 (1.50-5.60)	5.00	1650 (200-1820)	7.2	3.03	3.40+3.40 (1.50-7.20)	6.80	2015 (200-2110)	8.8	3.37
	2.5+3.5	6.0 (1.50-5.70)	5.20	1730 (200-1900)	7.6	3.01	3.15+3.85 (1.50-7.20)	7.00	2070 (200-2110)	9.1	3.38
	3.5+3.5	7.0 (1.50-5.90)	5.40	1795 (200-1980)	7.9	3.01	3.60+3.60 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.41
	2.5+5.0	7.5 (1.50-5.90)	5.40	1795 (200-1980)	7.9	3.01	2.70+4.50 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.41

Models		RAM-65QH5									
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode				
	Total (kW)	Capacity (kW)	Total	Outdoor Unit		EER	Capacity (kW)	Total	Outdoor Unit		COP
				Total Input (W)	Total Current (A)				Total Input (W)	Total Current(A)	
One Unit	1.8	1.8 (1.00-2.50)	1.80	560 (200-750)	2.5	3.21	2.50 (1.10-3.20)	2.50	750 (200-1050)	3.3	3.33
	2.5	2.5 (1.00-2.80)	2.50	780 (200-980)	3.4	3.21	3.90 (1.10-4.70)	3.90	1145 (200-1380)	5.0	3.41
	3.5	3.5 (1.00-3.90)	3.50	1160 (200-1280)	5.1	3.02	4.80 (1.10-5.80)	4.80	1550 (200-1870)	6.8	3.10
	5.0	5.0 (1.00-5.60)	5.00	1780 (200-1960)	7.8	2.81	6.50 (1.10-7.20)	6.50	2400 (200-2660)	10.5	2.71
Two Units	1.8+1.8	3.6 (1.50-4.00)	3.60	1190 (200-1300)	5.2	3.03	2.50+2.50 (1.50-5.20)	5.00	1460 (200-1550)	6.4	3.42
	1.8+2.5	4.3 (1.50-4.60)	4.20	1310 (200-1450)	5.8	3.21	2.40+3.80 (1.50-6.30)	6.20	1820 (200-1920)	8.0	3.41
	1.8+3.5	5.3 (1.50-5.60)	5.00	1650 (200-1820)	7.2	3.03	2.30+4.50 (1.50-7.20)	6.80	1995 (200-2100)	8.8	3.41
	1.8+5.0	6.8 (1.50-5.90)	5.40	1795 (200-1980)	7.9	3.01	2.00+5.00 (1.50-7.20)	7.00	2050 (200-2100)	9.0	3.41
	2.5+2.5	5.0 (1.50-5.60)	5.00	1650 (200-1820)	7.2	3.03	3.40+3.40 (1.50-7.20)	6.80	2015 (200-2100)	8.8	3.37
	2.5+3.5	6.0 (1.50-5.70)	5.20	1730 (200-1900)	7.6	3.01	3.15+3.85 (1.50-7.20)	7.00	2070 (200-2100)	9.1	3.38
	3.5+3.5	7.0 (1.50-5.90)	5.40	1795 (200-1980)	7.9	3.01	3.60+3.60 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.41
	2.5+5.0	7.5 (1.50-5.90)	5.40	1795 (200-1980)	7.9	3.01	2.70+4.50 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.41
Three Units	3.5+5.0	8.5 (1.50-5.90)	5.40	1995 (200-2200)	8.8	2.71	3.05+4.15 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.41
	1.8+1.8+1.8	5.4 (1.50-6.00)	5.40	1780 (200-2200)	7.8	3.03	2.33+2.33+2.33 (1.50-7.20)	7.00	1850 (200-2110)	8.2	3.78
	1.8+1.8+2.5	6.1 (1.50-6.40)	6.10	2020 (200-2200)	8.9	3.02	2.00+2.00+3.20 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79
	1.8+1.8+3.5	7.1 (1.50-6.60)	6.30	2095 (200-2200)	9.2	3.01	1.85+1.85+3.50 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79
	1.8+1.8+5.0	8.6 (1.50-6.60)	6.30	2095 (200-2200)	9.2	3.01	1.60+1.60+4.00 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79
	1.8+2.5+2.5	6.8 (1.50-6.60)	6.30	2095 (200-2200)	9.2	3.01	1.80+2.70+2.70 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79
	1.8+2.5+3.5	7.8 (1.50-6.60)	6.30	2095 (200-2200)	9.2	3.01	1.60+2.50+3.10 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79
	1.8+3.5+3.5	8.8 (1.50-6.60)	6.30	2095 (200-2200)	9.2	3.01	1.40+2.90+2.90 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79
	2.5+2.5+2.5	7.5 (1.50-6.60)	6.30	2095 (200-2200)	9.2	3.01	2.40+2.40+2.40 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79
	2.5+2.5+3.5	8.5 (1.50-6.60)	6.30	2095 (200-2200)	9.2	3.01	2.23+2.23+2.74 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79

*At least two indoor units should be connected



Monozone/Multizone Combinations

Models		RAM-72QH5									
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode				
	Total (kW)	Capacity (kW)	Total	Outdoor Unit		EER	Capacity (kW)	Total	Outdoor Unit		COP
				Total Input (W)	Total Current (A)				Total Input (W)	Total Current (A)	
One Unit	1.8	1.8 (1.50-2.00)	1.8	450 (280-500)	2.0	4.00	2.50 (1.80-3.50)	2.5	850 (320-1130)	3.7	2.94
	2.5	2.5 (1.50-2.80)	2.5	650 (280-720)	2.9	3.85	3.40 (1.80-4.70)	3.4	1130 (320-1480)	5.0	3.01
	3.5	3.5 (1.50-3.90)	3.5	1030 (280-1130)	4.5	3.40	4.30 (1.80-5.80)	4.3	1520 (320-1950)	6.7	2.83
	5.0	5.0 (1.50-5.60)	5.0	1640 (280-1800)	7.2	3.05	6.50 (1.80-7.20)	6.5	2400 (320-2530)	10.5	2.71
	6.0	6.0 (1.50-6.60)	6.0	2080 (280-2290)	9.1	2.88	7.30 (1.80-8.50)	7.3	2590 (320-2860)	11.4	2.82
Two Units	1.8+1.8	3.6 (2.00-4.00)	3.6	830 (380-1020)	3.6	4.34	3.2+3.2 (2.20-8.60)	6.4	1770 (390-2750)	7.8	3.62
	1.8+2.5	4.3 (2.00-4.70)	4.3	1120 (380-1360)	4.9	3.84	3.2+3.6 (2.20-9.30)	6.8	1940 (390-3000)	8.5	3.51
	1.8+3.5	5.3 (2.00-5.80)	5.3	1600 (380-1950)	7.0	3.31	3.2+4.3 (2.20-9.50)	7.5	2240 (390-3120)	9.8	3.35
	1.8+5.0	6.8 (2.00-7.10)	6.8	2420 (380-2820)	10.6	2.81	2.3+6.3 (2.20-9.50)	8.6	2470 (390-3120)	10.8	3.48
	1.8+6.0	7.8 (2.00-7.50)	7.1	2450 (380-2980)	10.8	2.90	2.0+6.6 (2.20-9.50)	8.6	2450 (390-3120)	10.8	3.51
	2.5+2.5	5.0 (2.00-5.50)	5.0	1410 (380-1720)	6.2	3.55	3.6+3.6 (2.20-9.50)	7.2	2070 (390-3120)	9.1	3.48
	2.5+3.5	6.0 (2.00-6.60)	6.0	1950 (380-2380)	8.6	3.08	3.6+4.3 (2.20-9.50)	7.9	2420 (390-3120)	10.6	3.26
	2.5+5.0	7.5 (2.00-7.50)	7.1	2530 (380-2980)	11.1	2.81	2.9+5.7 (2.20-9.50)	8.6	2470 (390-3120)	10.8	3.48
	2.5+6.0	8.5 (2.00-7.50)	7.1	2450 (380-2980)	10.8	2.90	2.55+6.05 (2.20-9.50)	8.6	2450 (390-3120)	10.8	3.51
	3.5+3.5	7.0 (2.00-7.40)	7.0	2630 (380-2940)	11.6	2.66	4.3+4.3 (2.20-9.50)	8.6	2670 (390-3120)	11.7	3.22
	3.5+5.0	8.5 (2.00-7.50)	7.1	2530 (380-2980)	11.1	2.81	3.55+5.05 (2.20-9.50)	8.6	2470 (390-3120)	10.8	3.48
	3.5+6.0	9.5 (2.00-7.80)	7.1	2450 (380-3100)	10.8	2.90	3.15+5.45 (2.20-9.50)	8.6	2450 (390-3120)	10.8	3.51
	5.0+5.0	10.0 (2.00-8.00)	7.1	2530 (380-3170)	11.1	2.81	4.3+4.3 (2.20-9.50)	8.6	2470 (390-3120)	10.8	3.48
	5.0+6.0	11.0 (2.00-8.00)	7.1	2360 (380-3170)	10.4	3.01	3.9+4.7 (2.20-9.50)	8.6	2450 (390-3120)	10.8	3.51
	1.8+1.8+1.8	5.4 (2.20-5.90)	5.4	1250 (420-2190)	5.5	4.32	2.86+2.86+2.86 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	1.8+1.8+2.5	6.1 (2.20-6.70)	6.1	1590 (420-2480)	7.0	3.84	2.55+2.55+3.50 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	1.8+1.8+3.5	7.1 (2.20-7.80)	7.1	2210 (420-2890)	9.7	3.21	2.2+2.2+4.2 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
Three Units	1.8+1.8+5.0	8.6 (2.20-8.00)	7.1	2180 (420-2960)	9.6	3.26	1.8+1.8+5.0 (2.40-9.50)	8.6	2280 (430-2600)	10.0	3.77
	1.8+1.8+6.0	9.6 (2.20-8.00)	7.1	2160 (420-2960)	9.5	3.29	1.5+2.1+5.0 (2.40-9.50)	8.6	2260 (430-2600)	9.9	3.81
	1.8+1.8+2.5+2.5	7.8 (2.20-8.00)	7.1	2210 (420-2960)	9.7	3.21	2.86+2.86+2.86 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	1.8+1.8+2.5+3.5	8.5 (2.20-8.00)	7.1	2210 (420-2960)	9.7	3.21	2.55+2.55+3.50 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	1.8+1.8+2.5+5.0	11.0 (2.20-8.00)	7.1	2180 (420-2960)	9.6	3.26	1.95+1.95+4.70 (2.40-9.50)	8.6	2260 (430-2600)	9.9	3.81

Monozone/Multizone Combinations

Models		RAM-72QH5 continued									
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode				
	Total (kW)	Capacity (kW)	Total	Outdoor Unit		EER	Capacity (kW)	Total	Outdoor Unit		COP
				Total Input (W)	Total Current (A)				Total Input (W)	Total Current (A)	
Three Units	1.8+2.5+2.5	6.8 (2.20-7.50)	6.8	2040 (420-2780)	9.0	3.33	2.3+3.15+3.15 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	1.8+2.5+3.5	7.8 (2.20-8.00)	7.1	2210 (420-2960)	9.7	3.21	2.0+2.75+3.85 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	1.8+2.5+5.0	9.3 (2.20-8.00)	7.1	2180 (420-2960)	9.6	3.26	1.7+2.3+4.6 (2.40-9.50)	8.6	2280 (430-2600)	10.0	3.77
	1.8+2.5+6.0	10.3 (2.20-8.00)	7.1a	2160 (420-2960)	9.5	3.29	1.5+2.1+5.0 (2.40-9.50)	8.6	2260 (430-2600)	9.9	3.81
	1.8+3.5+3.5	8.8 (2.20-8.00)	7.1	2210 (420-2960)	9.7	3.21	1.8+3.4+3.4 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	1.8+3.5+5.0	10.3 (2.20-8.00)	7.1	2180 (420-2960)	9.6	3.26	1.5+2.9+4.2 (2.40-9.50)	8.6	2280 (430-2600)	10.0	3.77
	2.5+2.5+2.5	7.5 (2.20-7.80)	7.1	2210 (420-2960)	9.7	3.21	2.86+2.86+2.86 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	2.5+2.5+3.5	8.5 (2.20-8.00)	7.1	2210 (420-2960)	9.7	3.21	2.55+2.55+3.50 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	2.5+2.5+5.0	10.0 (2.20-8.00)	7.1	2180 (420-2960)	9.6	3.26	2.15+2.15+4.3 (2.40-9.50)	8.6	2280 (430-2600)	10.0	3.77
	2.5+2.5+6.0	11.0 (2.20-8.00)	7.1	2160 (420-2960)	9.5	3.29	1.95+1.95+4.70 (2.40-9.50)	8.6	2260 (430-2600)	9.9	3.81
	2.5+3.5+3.5	9.5 (2.20-8.00)	7.1	2210 (420-2960)	9.7	3.21	2.2+3.2+3.2 (2.40-9.50)	8.6	2290 (430-2600)	10.1	3.76
	2.5+3.5+5.0	11.0 (2.20-8.00)	7.1	2180 (420-2960)	9.6	3.26	1.95+2.75+3.90 (2.40-9.50)	8.6	2280 (430-2600)	10.0	3.77
	3.5+3.5+3.5	10.5 (2.20-8.00)	7.1	2210 (420-2960)	9.7	3.21	2.86+2.86+2.86 (2.40-9.50)	8.6	2280 (430-2600)	10.0	3.77
Four Units	1.8+1.8+1.8+1.8	7.2 (2.40-7.90)	7.1	2140 (450-2870)	9.4	3.32	2.15+2.15+2.15+2.15 (2.60-9.50)	8.6	2200 (460-2520)	9.7	3.91
	1.8+1.8+1.8+2.5	7.9 (2.40-8.30)	7.1	2140 (450-3020)	9.4	3.32	2.0+2.0+2.0+2.6 (2.60-9.50)	8.6	2200 (460-2520)	9.7	3.91
	1.8+1.8+1.8+3.5	8.9 (2.40-8.50)	7.1	2140 (450-3090)	9.4	3.32	1.8+1.8+1.8+3.2 (2.60-9.50)	8.6	2200 (460-2520)	9.7	3.91
	1.8+1.8+1.8+5.0	10.4 (2.40-8.80)	7.1	2140 (450-3200)	9.4	3.32	1.5+1.5+1.5+4.1 (2.60-9.50)	8.6	2180 (460-2520)	9.6	3.94
	1.8+1.8+2.5+2.5	8.6 (2.40-8.50)	7.1	2140 (450-3090)	9.4	3.32	1.8+1.8+2.5+2.5 (2.60-9.50)	8.6	2200 (460-2520)	9.7	3.91
	1.8+1.8+2.5+3.5	9.6 (2.40-8.50)	7.1	2140 (450-3090)	9.4	3.32	1.6+1.6+2.25+3.15 (2.60-9.50)	8.6	2200 (460-2520)	9.7	3.91
	1.8+1.8+3.5+3.5	10.6 (2.40-8.80)	7.1	2140 (450-3200)	9.4	3.32	1.5+1.5+2.8+2.8 (2.60-9.50)	8.6	2180 (460-2520)	9.6	3.94
	1.8+2.5+2.5+2.5	9.3 (2.40-8.50)	7.1	2140 (450-3090)	9.4	3.32	1.7+2.3+2.3+2.3 (2.60-9.50)	8.6	2200 (460-2520)	9.7	3.91
	1.8+2.5+2.5+3.5	10.3 (2.40-8.80)	7.1	2140 (450-3200)	9.4	3.32	1.5+2.1+2.1+2.9 (2.60-9.50)	8.6	2180 (460-2520)	9.6	3.94
	2.5+2.5+2.5+2.5	10.0 (2.40-8.80)	7.1	2140 (450-3200)	9.4	3.32	2.15+2.15+2.15+2.15 (2.60-9.50)	8.6	2180 (460-2520)	9.6	3.94
	2.5+2.5+2.5+3.5	11.0 (2.40-8.80)	7.1	2140 (450-3200)	9.4	3.32	1.95+1.95+1.95+2.75 (2.60-9.50)	8.6	2180 (460-2520)	9.6	3.94



Monozone/Multizone Combinations

Models		RAM-80QH5										
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode					
	Total (kW)	Capacity (kW)	Total	Outdoor Unit		EER	Capacity (kW)	Total	Outdoor Unit		COP	
				Total Input (W)	Total Current (A)				Total Input (W)	Total Current (A)		
One Unit	1.8	1.8 (1.00-2.50)	1.8	560 (360-750)	2.5	3.21	2.50 (1.10-3.20)	2.5	690 (320-970)	3.0	3.62	
	2.5	2.5 (1.00-2.80)	2.5	780 (360-980)	3.4	3.21	3.90 (1.10-4.70)	3.9	1100 (320-1280)	4.8	3.55	
	3.5	3.5 (1.00-4.00)	3.5	1160 (360-1280)	5.1	3.02	4.80 (1.10-5.80)	4.8	1380 (320-1750)	6.1	3.48	
	5.0	5.0 (1.00-5.60)	5.0	1910 (360-2100)	8.4	2.62	6.70 (1.10-7.60)	6.7	2070 (320-2170)	9.1	3.24	
② Two Units	1.8+1.8	3.6 (1.50-4.10)	3.6	1120 (640-1240)	4.9	3.21	2.50+2.50 (1.50-5.50)	5.0	1380 (600-1520)	6.1	3.62	
	1.8+2.5	4.3 (1.50-4.50)	4.3	1320 (640-1450)	5.8	3.26	2.50+3.90 (1.50-7.00)	6.4	1770 (600-1950)	7.8	3.62	
	1.8+3.5	5.3 (1.50-5.80)	5.3	1760 (640-1940)	7.7	3.01	2.50+4.80 (1.50-8.40)	7.3	2150 (600-2380)	9.4	3.40	
	1.8+5.0	6.8 (1.50-7.20)	6.0	1990 (640-2190)	8.7	3.02	2.20+6.00 (1.50-9.00)	8.2	2850 (600-3150)	12.5	2.88	
	2.5+2.5	5.0 (1.50-5.60)	5.0	1560 (640-1720)	6.9	3.21	3.90+3.90 (1.50-8.60)	7.8	2160 (600-2390)	9.5	3.61	
	2.5+3.5	6.0 (1.50-6.60)	6.0	1990 (640-2190)	8.7	3.02	3.90+4.80 (1.50-9.60)	8.7	2690 (600-2960)	11.8	3.23	
	2.5+5.0	7.5 (1.50-7.60)	7.0	2600 (640-2860)	11.4	2.69	3.00+6.00 (1.50-9.90)	9.0	3200 (600-3520)	14.1	2.81	
	3.5+3.5	7.0 (1.50-7.60)	7.0	2600 (640-2860)	11.4	2.69	4.70+4.70 (1.50-10.30)	9.4	3200 (600-3520)	14.1	2.94	
	3.5+5.0	8.5 (1.50-8.00)	7.5	2720 (640-2990)	11.9	2.76	4.00+5.60 (1.50-10.60)	9.6	3300 (600-3630)	14.5	2.91	
	5.0+5.0	10.0 (1.50-8.20)	8.0	2760 (640-3040)	12.1	2.90	4.80+4.80 (1.50-10.60)	9.6	3300 (600-3630)	14.5	2.91	
④ Two Units	1.8+1.8	3.6 (1.50-4.00)	3.6	1120 (640-1230)	4.9	3.21	2.25+2.25 (1.50-5.20)	4.5	1280 (600-1480)	5.6	3.52	
	1.8+2.5	4.3 (1.50-4.50)	4.0	1280 (640-1400)	5.6	3.13	2.20+2.60 (1.50-5.50)	4.8	1360 (600-1600)	6.0	3.53	
	1.8+3.5	5.3 (1.50-5.50)	5.0	1660 (640-1830)	7.3	3.01	2.00+3.80 (1.50-6.40)	5.8	1580 (600-1740)	6.9	3.67	
	1.8+5.0	6.8 (1.50-6.20)	5.6	1860 (640-2050)	8.2	3.01	1.70+4.50 (1.50-6.80)	6.2	1930 (600-2120)	8.5	3.21	
	2.5+2.5	5.0 (1.50-5.50)	5.0	1660 (640-1830)	7.3	3.01	2.90+2.90 (1.50-6.40)	5.8	1580 (600-1740)	6.9	3.67	
	2.5+3.5	6.0 (1.50-6.20)	5.6	1860 (640-2050)	8.2	3.01	2.60+3.60 (1.50-6.80)	6.2	1930 (600-2120)	8.5	3.21	
	3.5+3.5	7.0 (1.50-6.20)	5.6	1860 (640-2050)	8.2	3.01	3.10+3.10 (1.50-6.80)	6.2	1930 (600-2120)	8.5	3.21	
Three Units	1.8+1.8+1.8	5.4 (3.00-6.00)	5.4	1750 (650-2100)	7.7	3.09	2.50+2.50+2.50 (3.00-8.30)	7.5	1860 (620-3630)	8.2	4.03	
	1.8+1.8+2.5	6.1 (3.00-6.70)	6.1	1980 (650-2380)	8.7	3.08	2.50+2.50+3.90 (3.00-9.80)	8.9	2210 (620-3630)	9.7	4.03	
	1.8+1.8+3.5	7.1 (3.00-7.50)	7.1	2300 (650-2760)	10.1	3.09	2.50+2.50+4.80 (3.00-10.80)	9.8	2430 (620-3630)	10.7	4.03	
	1.8+1.8+5.0	8.6 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	2.20+2.20+5.80 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	1.8+2.5+2.5	6.8 (3.00-7.50)	6.8	2250 (650-2700)	9.9	3.02	2.50+3.85+3.85 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	1.8+2.5+3.5	7.8 (3.00-8.00)	7.8	2510 (650-3000)	11.0	3.11	2.30+3.50+4.40 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	

② Two Units each unit is connected to each compressor
④ Two Units two units are connected to one compressor

Monozone/Multizone Combinations

Models		RAM-80QH5 continued										
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode					
	Total (kW)	Capacity (kW)	Total	Outdoor Unit		EER	Capacity (kW)	Total	Outdoor Unit		COP	
				Total Input (W)	Total Current (A)				Total Input (W)	Total Current (A)		
Three Units	1.8+2.5+5.0	9.3 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	2.00+3.00+5.20 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	1.8+3.5+3.5	8.8 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	2.00+4.10+4.10 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	1.8+3.5+5.0	10.3 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	1.80+3.50+4.90 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	1.8+5.0+5.0	11.8 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	1.60+4.30+4.30 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	2.5+2.5+2.5	7.5 (3.00-8.20)	7.5	2420 (650-3000)	10.6	3.10	3.40+3.40+3.40 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	2.5+2.5+3.5	8.5 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	3.00+3.00+4.20 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	2.5+2.5+5.0	10.0 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	2.60+2.60+5.00 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	2.5+3.5+3.5	9.5 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	2.60+3.80+3.80 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	2.5+3.5+5.0	11.0 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	2.30+3.30+4.60 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	3.5+3.5+3.5	10.5 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	3.40+3.40+3.40 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
Four Units	3.5+3.5+5.0	12.0 (3.00-8.20)	8.0	2580 (650-3200)	11.3	3.10	3.00+3.00+4.20 (3.00-11.20)	10.2	2530 (620-3630)	11.1	4.03	
	1.8+1.8+1.8+1.8	7.2 (3.00-8.30)	7.2	2280 (650-2750)	10.0	3.16	2.50+2.50+2.50+2.50 (3.00-11.20)	10.0	2560 (620-3550)	11.2	3.91	
	1.8+1.8+1.8+2.5	7.9 (3.00-9.00)	7.9	2580 (650-3100)	11.3	3.06	2.40+2.40+2.40+3.80 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+1.8+1.8+3.5	8.9 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.30+2.30+2.30+4.10 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+1.8+1.8+5.0	10.4 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.0+2.00+2.00+5.00 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+1.8+2.5+2.5	8.6 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.20+2.20+3.30+3.30 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+1.8+2.5+3.5	9.6 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.00+2.00+3.10+3.90 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+1.8+2.5+5.0	11.1 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	1.80+1.80+2.70+4.70 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+1.8+3.5+3.5	10.6 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	1.90+1.90+3.60+3.60 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+2.5+2.5+2.5	9.3 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.00+3.00+3.00+3.00 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+2.5+2.5+3.5	10.3 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	1.80+2.80+2.80+3.60 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+2.5+2.5+5.0	11.8 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	1.60+2.60+2.60+4.20 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	1.8+2.5+3.5+3.5	11.3 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	1.70+2.70+3.30+3.30 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	2.5+2.5+2.5+2.5	10.0 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.75+2.75+2.75+2.75 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	2.5+2.5+2.5+3.5	11.0 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.50+2.50+2.50+3.50 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	
	2.5+2.5+3.5+3.5	12.0 (3.00-9.20)	8.0	2650 (650-3200)	11.6	3.02	2.30+2.30+3.20+3.20 (3.00-12.40)	11.0	2630 (620-3630)	11.6	4.18	



Monozone/Multizone Combinations

Models	RAM-90QH5												
Combination of Indoor Unit (kW)	Cooling Mode							Heating Mode					
	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER
				Power Cons.(W)	Ampere(A) – at 230V	–				Power Cons.(W)	Ampere(A) – at 230V	–	
One Unit	1.8	1.8 (1.70-2.00)	1.80 (320-610)	500	2.2	3.60	A	2.50 (2.00-3.0)	2.50 (360-920)	780	3.4	3.21	C
	2.5	2.5 (1.70-2.80)	2.50 (320-860)	700	3.1	3.57	A	3.40 (2.00-4.0)	3.40 (360-1340)	1140	5.0	2.98	D
	3.5	3.5 (1.70-3.90)	3.50 (320-1270)	1040	4.6	3.37	A	4.30 (2.00-5.20)	4.30 (360-1720)	1420	6.2	3.03	D
	5.0	5.0 (1.70-5.50)	5.00 (320-1860)	1540	6.8	3.25	A	6.50 (2.00-7.30)	6.50 (360-2580)	2300	10.1	2.83	D
	6.0	6.0 (1.70-6.60)	6.00 (320-2270)	1880	8.3	3.19	B	7.30 (2.00-8.20)	7.30 (360-2950)	2630	11.6	2.78	E
Two Units	1.8+1.8	3.6 (2.40-4.00)	3.60 (450-860)	710	3.1	5.07	A	2.5+2.5 (2.70-6.90)	5.00 (480-1710)	1240	5.4	4.03	A
	1.8+2.5	4.3 (2.00-4.70)	4.30 (450-1190)	1000	4.4	4.30	A	2.5+3.4 (2.7-7.7)	5.90 (480-1990)	1530	6.7	3.86	A
	1.8+3.5	5.3 (2.40-5.80)	5.30 (450-1900)	1590	7.0	3.33	A	2.5+4.3 (2.7-8.5)	6.80 (480-2320)	1870	8.2	3.64	A
	1.8+5.0	6.8 (2.40-7.50)	6.8 (450-2970)	2470	10.8	2.75	D	2.39+6.21 (2.7-10.0)	8.60 (480-2880)	2470	10.8	3.48	B
	1.8+6.0	7.8 (2.40-8.50)	7.70 (450-3120)	2590	11.4	2.97	C	2.4+7.0 (2.70-10.70)	9.40 (480-3160)	2770	12.2	3.39	C
	2.5+2.5	5.0 (2.40-5.50)	5.00 (450-1640)	1370	6.0	3.65	A	3.4+3.4 (2.7-8.5)	6.80 (480-2250)	1810	7.9	3.76	A
	2.5+3.5	6.0 (2.40-6.60)	6.00 (450-2400)	2000	8.8	3.00	B	3.4+4.3 (2.7-9.2)	7.70 (480-2590)	2160	9.5	3.56	B
	2.5+5.0	7.5 (2.40-8.30)	7.50 (450-3470)	2880	12.6	2.60	D	3.16+6.04 (2.7-10.5)	9.20 (480-3110)	2720	11.9	3.38	C
	2.5+6.0	8.5 (2.40-8.80)	8.00 (450-3300)	2750	12.1	2.91	C	3.08+6.62 (2.7-11.0)	9.70 (480-3320)	2940	12.9	3.30	C
	3.5+3.5	7.0 (2.40-7.70)	7.00 (450-2990)	2490	10.9	2.81	C	4.3+4.3 (2.70-10.0)	8.60 (480-2860)	2460	10.8	3.50	B
	3.5+5.0	8.5 (2.40-8.80)	8.00 (450-3270)	2730	12.0	2.93	C	3.86+5.84 (2.7-11.0)	9.70 (480-3320)	2940	12.9	3.30	C
	3.5+6.0	9.5 (2.40-9.10)	8.30 (450-3420)	2860	12.6	2.90	C	3.78+6.42 (2.7-11.4)	10.20 (480-3500)	3130	13.7	3.26	C
	5.0+5.0	10.0 (2.40-9.20)	8.40 (450-3460)	2900	12.7	2.90	C	5.1+5.1 (2.70-11.40)	10.20 (480-3200)	2860	12.6	3.57	B
	5.0+6.0	11.0 (2.40-9.60)	8.70 (450-3570)	3080	13.5	2.82	C	4.9+5.5 (2.7-11.6)	10.40 (480-3500)	3140	13.8	3.31	C
	6.0+6.0	12.0 (2.40-9.90)	9.00 (450-3870)	3350	14.7	2.69	D	5.5+5.5 (2.7-12.1)	11.00 (480-3870)	3520	15.5	3.13	D
Three Units	1.8+1.8+1.8	5.4 (2.70-5.90)	5.40 (510-1780)	1480	6.5	3.65	A	2.5+2.5+2.5 (2.9-9.1)	7.50 (520-2440)	2020	8.9	3.71	A
	1.8+1.8+2.5	6.1 (2.70-6.70)	6.10 (510-2150)	1780	7.8	3.43	A	2.38+2.38+3.24 (2.9-9.5)	8.00 (520-2620)	2210	9.7	3.62	A
	1.8+1.8+3.5	7.1 (2.70-7.80)	7.10 (510-2310)	1910	8.4	3.72	A	2.37+2.37+4.06 (2.9-10.2)	8.80 (520-2740)	2370	10.4	3.71	A
	1.8+1.8+5.0	8.6 (2.70-9.50)	8.60 (510-3260)	2680	11.8	3.21	A	2.2+2.2+5.7 (2.9-11.3)	10.10 (520-3060)	2730	12.0	3.70	A
	1.8+1.8+6.0	9.6 (2.70-9.90)	9.00 (510-3270)	2700	11.9	3.33	A	2.11+2.11+6.18 (2.9-11.6)	10.40 (520-3410)	3060	13.4	3.40	C
	1.8+2.5+2.5	6.8 (2.70-7.50)	6.80 (510-2260)	1860	8.2	3.66	A	2.3+3.15+3.15 (2.9-10.0)	8.60 (520-2760)	2370	10.4	3.63	A

Monozone/Multizone Combinations

Models	RAM-90QH5 continued												
Combination of Indoor Unit (kW)	Cooling Mode							Heating Mode					
	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER
				Power Cons.(W)	Ampere(A) – at 230V	–				Power Cons.(W)	Ampere(A) – at 230V	–	
1.8+2.5+3.5	7.8	1.8+2.5+3.5 (2.7-8.6)	7.80	2190 (510-2660)	9.6	3.56	A	2.3+3.13+3.97 2.90-10.7	9.40	2530 520-2880	11.1	3.72	A
1.8+2.5+5.0	9.3	1.75+2.44+4.85 (2.70-9.90)	9.00	2700 (510-3270)	11.9	3.33	A	2.10+2.85+5.45 2.9-11.6	10.40	2890 520-3220	12.7	3.60	B
1.8+2.5+6.0	10.3	1.58+2.18+5.24 (2.70-9.90)	9.00	2740 (510-3320)	12.0	3.28	A	1.97+2.68+5.75 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
1.8+3.5+3.5	8.8	1.8+3.5+3.5 (2.70-9.70)	8.80	2690 (510-3260)	11.8	3.27	A	2.34+4.03+4.03 2.9-11.6	10.40	2750 520-3060	12.1	3.78	A
1.8+3.5+5.0	10.3	1.55+3.05+4.40 (2.70-9.90)	9.00	2740 (510-3320)	12.0	3.28	A	1.95+3.36+5.09 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
1.8+3.5+6.0	11.3	1.43+2.79+4.78 (2.70-9.90)	9.00	2740 (510-3320)	12.0	3.28	A	1.84+3.17+5.39 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
1.8+5.0+5.0	11.8	1.38+3.81+3.81 (2.70-9.90)	9.00	2740 (510-3320)	12.0	3.28	A	1.68+4.36+4.36 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
1.8+5.0+6.0	12.8	1.27+3.52+4.21 (2.70-9.90)	9.00	2710 (510-3280)	11.9	3.32	A	1.61+4.19+4.70 2.9-11.7	10.50	2990 520-3320	13.1	3.51	B
1.8+6.0+6.0	13.8	1.18+3.91+3.91 (2.70-9.90)	9.00	2740 (510-3320)	12.0	3.28	A	1.60+4.70+4.70 2.9-12.1	11.00	3040 520-3340	13.4	3.62	A
2.5+2.5+2.5	7.5	2.5+2.5+2.5 (2.70-8.30)	7.50	2120 (510-2580)	9.3	3.54	A	3.00+3.00+3.00 2.9-10.4	9.00	2540 520-2920	11.2	3.54	B
2.5+2.5+3.5	8.5	2.5+2.5+3.5 (2.70-9.4)	8.50	2560 (510-3110)	11.2	3.32	A	3.06+3.06+3.88 2.9-11.2	10.00	2730 520-3070	12.0	3.66	A
2.5+2.5+5.0	10.0	2.25+2.25+4.50 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.66+2.66+5.08 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
2.5+2.5+6.0	11.0	2.05+2.05+4.90 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.51+2.51+5.38 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
2.5+3.5+3.5	9.5	2.36+3.32+3.32 (2.70-9.90)	9.00	2750 (510-3330)	12.1	3.27	A	2.94+3.73+3.73 2.9-11.6	10.40	2890 520-3220	12.7	3.60	B
2.5+3.5+5.0	11.0	2.05+2.85+4.10 (2.70-9.90)	9.00	2770 (510-3350)	12.2	3.25	A	2.49+3.15+4.76 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
2.5+3.5+6.0	12.0	1.88+2.62+4.50 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.38+3.01+5.11 2.9-11.7	10.50	2990 520-3320	13.1	3.51	B
2.5+5.0+5.0	12.5	1.8+3.6+3.6 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.18+4.16+4.16 2.9-11.7	10.50	2990 520-3320	13.1	3.51	B
2.5+5.0+6.0	13.5	1.67+3.33+4.00 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.08+3.97+4.45 2.9-11.7	10.50	2990 520-3320	13.1	3.51	B
2.5+6.0+6.0	14.5	1.56+3.72+3.72 (2.70-9.90)	9.00	2770 (510-3350)	12.2	3.25	A	2.08+4.46+4.46 2.9-12.1	11.00	2890 520-3180	12.7	3.81	A
3.5+3.5+3.5	10.5	3.00+3.00+3.00 (2.70-9.90)	9.00	2740 (510-3320)	12.0	3.28	A	3.47+3.47+3.47 2.9-11.6	10.40	2990 520-3330	13.1	3.48	B
3.5+3.5+5.0	12.0	2.65+2.65+3.70 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.99+2.99+4.52 2.9-11.7	10.50	2990 520-3320	13.1	3.51	B
3.5+3.5+6.0	13.0	2.40+2.40+4.20 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.84+2.84+4.82 2.9-11.7	10.50	2990 520-3320	13.1	3.51	B
3.5+5.0+5.0	13.5	2.3+3.35+3.35 (2.70-9.90)	9.00	2780 (510-3360)	12.2	3.24	A	2.60+3.95+3.95 2.9-11.7	10.50	2990 520-3320	13.1	3.51	B
3.5+5.0+6.0	14.5	2.18+3.10+3.72 (2.70-9.90)	9.00	2850 (510-3450)	12.5	3.16	B	2.61+3.95+4.44 2.9-12.1	11.00	2890 520-3180	12.7	3.81	A
3.5+6.0+6.0	15.5	2.04+3.48+3.48 (2.70-9.90)	9.00	2850 (510-3450)	12.5	3.16	B	2.50+4.25+4.25 2.9-12.1	11.00	2890 520-3180	12.7	3.81	A
5.0+5.0+5.0	15.0	3.00+3.00+3.00 (2.70-9.90)	9.00	2850 (510-3450)	12.5	3.16	B	3.67+3.67+3.67 2.9-12.1	11.00	2890 520-3180	12.7	3.81	A

Monozone/Multizone Combinations

Models		RAM-90QH5 continued													
Combination of Indoor Unit (kW)		Cooling Mode							Heating Mode						
		Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER	
					Power Cons.(W)	Ampere(A) – at 230V	–				Power Cons.(W)	Ampere(A) – at 230V	–		
Four Units	1.8+1.8+1.8+1.8	7.2	1.80+1.80+1.80+1.80 (2.90-7.90)	7.20	1800 (550-2310)	7.9	4.00	A	2.4+2.4+2.4+2.4 3.0-10.9	9.60	2400 540-2720	10.5	4.00	A	
	1.8+1.8+1.8+2.5	7.9	1.80+1.80+1.80+2.5 (2.90-8.70)	7.90	2090 (550-2690)	9.2	3.78	A	2.25+2.25+2.25+3.05 3.0-11.1	9.80	2700 540-3050	11.9	3.63	A	
	1.8+1.8+1.8+3.5	8.9	1.80+1.80+1.80+3.50 (2.90-9.80)	8.90	2530 (550-3260)	11.1	3.52	A	2.16+2.16+2.16+3.72 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+1.8+5.0	10.4	1.55+1.55+1.55+4.35 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.82+1.82+1.82+4.74 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+1.8+6.0	11.4	1.40+1.40+1.40+4.8 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.72+1.72+1.72+5.04 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+2.5+2.5	8.5	1.80+1.80+2.50+2.50 (2.90-9.50)	8.60	2350 (550-3040)	10.3	3.66	A	2.12+2.12+2.88+2.88 3.0-11.2	10.00	2700 540-3030	11.9	3.70	A	
	1.8+1.8+2.5+3.5	9.5	1.69+1.69+2.34+3.28 (2.90-9.9)	9.00	2530 (550-3260)	11.1	3.56	A	2.01+2.01+2.73+3.45 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+2.5+5.0	11.1	1.45+1.45+2.00+4.10 (2.90-9.9)	9.00	2530 (550-3260)	11.1	3.56	A	1.71+1.71+2.33+4.45 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+2.5+6.0	12.1	1.35+1.35+1.85+4.45 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.62+1.62+2.21+4.75 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+3.5+3.5	10.6	1.53+1.53+2.97+2.97 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.88+1.88+3.22+3.22 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+3.5+5.0	12.1	1.35+1.35+2.6+3.7 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.61+1.61+2.78+4.2 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+1.8+3.5+6.0	13.1	1.25+1.25+2.4+4.1 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.57+1.57+2.69+4.57 3.0-11.6	10.40	2700 540-3010	11.9	3.85	A	
	1.8+1.8+5.0+5.0	13.6	1.20+1.20+3.30+3.30 (2.90-9.90)	9.00	2510 (550-3230)	11.0	3.59	A	1.44+1.44+3.76+3.76 3.0-11.6	10.40	2700 540-3010	11.9	3.85	A	
	1.8+1.8+5.0+6.0	14.6	1.10+1.10+3.10+3.70 (2.90-9.90)	9.00	2510 (550-3230)	11.0	3.59	A	1.46+1.46+3.80+4.28 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	1.8+2.5+2.5+2.5	9.3	1.80+2.40+2.40+2.40 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.01+2.73+2.73+2.73 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+2.5+2.5+3.5	10.3	1.60+2.20+2.20+3.00 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.88+2.55+2.55+3.22 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+2.5+2.5+5.0	11.8	1.40+1.90+1.90+3.80 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.61+2.19+2.19+4.21 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+2.5+2.5+6.0	12.8	1.30+1.75+1.75+4.20 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.54+2.09+2.09+4.48 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+2.5+3.5+3.5	11.3	1.40+2.00+2.80+2.80 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.75+2.39+3.03+3.03 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+2.5+3.5+5.0	12.8	1.30+1.75+2.45+3.50 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.53+2.08+2.63+3.96 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	1.8+2.5+3.5+6.0	13.8	1.20+1.60+2.30+3.90 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.57+2.14+2.70+4.59 3.0-12.1	11.00	2800 540-3080	12.3	3.93	A	
	1.8+2.5+5.0+5.0	14.3	1.15+1.55+3.15+3.15 (2.90-9.90)	9.00	2510 (550-3230)	11.0	3.59	A	1.46+1.98+3.78+3.78 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	1.8+2.5+5.0+6.0	15.3	1.10+1.50+2.90+3.50 (2.90-9.90)	9.00	2510 (550-3230)	11.0	3.59	A	1.40+1.90+3.63+4.07 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	1.8+3.5+3.5+3.5	12.3	1.35+2.55+2.55+2.55 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.65+2.85+2.85+2.85 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
1.8+3.5+3.5+5.0	13.8	1.15+2.30+2.30+3.25 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.56+2.69+2.69+4.06 3.0-12.1	11.00	2800 540-3080	12.3	3.93	A		
1.8+3.5+3.5+6.0	14.8	1.10+2.10+2.10+3.70 (2.90-9.90)	9.00	2530 (550-3230)	11.1	3.56	A	1.49+2.57+2.57+4.37 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A		

Monozone/Multizone Combinations

Models	RAM-90QH5 continued														
	Cooling Mode								Heating Mode						
Combination of Indoor Unit (kW)	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER		
				Power Cons.(W)	Ampere(A) – at 230V	–				Power Cons.(W)	Ampere(A) – at 230V	–			
Four Units	1.8+3.5+5.0+5.0	15.3	1.05+2.05+2.95+2.95 (2.90-9.90)	9.00	2510 (550-3230)	11.0	3.59	A	1.39+2.39+3.61+3.61 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	2.5+2.5+2.5+2.5	10.0	2.25+2.25+2.25+2.25 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.55+2.55+2.55+2.55 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	2.5+2.5+2.5+3.5	11.0	2.05+2.05+2.05+2.85 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.39+2.39+2.39+3.03 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	2.5+2.5+2.5+5.0	12.5	1.8+1.8+1.8+3.6 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.12+2.12+2.12+4.04 3.0-11.6	10.40	2700 540-3010	11.9	3.85	A	
	2.5+2.5+2.5+6.0	13.5	1.67+1.67+1.67+4.00 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.02+2.02+2.02+4.34 3.0-11.6	10.40	2700 540-3010	11.9	3.85	A	
	2.5+2.5+3.5+3.5	12.0	1.88+1.88+2.62+2.62 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.25+2.25+2.85+2.85 3.0-11.4	10.20	2700 540-3020	11.9	3.78	A	
	2.5+2.5+3.5+5.0	13.5	1.67+1.67+2.33+3.33 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.01+2.01+2.54+3.84 3.0-11.6	10.40	2700 540-3010	11.9	3.85	A	
	2.5+2.5+3.5+6.0	14.5	1.55+1.55+2.20+3.70 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.03+2.03+2.57+4.37 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	2.5+2.5+5.0+5.0	15.5	1.50+1.50+3.00+3.00 (2.90-9.90)	9.00	2510 (550-3230)	11.0	3.59	A	1.89+1.89+3.61+3.61 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	2.5+3.5+3.5+3.5	13.0	1.74+2.42+2.42+2.42 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.18+2.74+2.74+2.74 3.0-11.6	10.40	2700 540-3010	11.9	3.85	A	
	2.5+3.5+3.5+5.0	14.5	1.56+2.17+2.17+3.10 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.02+2.56+2.56+3.86 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	2.5+3.5+3.5+6.0	15.5	1.46+2.03+2.03+3.48 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	1.94+2.45+2.45+4.16 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	3.5+3.5+3.5+3.5	14.0	2.25+2.25+2.25+2.25 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.75+2.75+2.75+2.75 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	3.5+3.5+3.5+5.0	15.5	2.03+2.03+2.03+2.91 (2.90-9.90)	9.00	2530 (550-3260)	11.1	3.56	A	2.44+2.44+2.44+3.68 3.0-12.1	11.00	2630 540-2890	11.6	4.18	A	
	Five Units	1.8+1.8+1.8+1.8+1.8	9.0	1.8+1.8+1.8+1.8+1.8 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	2.2+2.2+2.2+2.2+2.2 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
		1.8+1.8+1.8+1.8+2.5	9.7	1.67+1.67+1.67+1.67+2.32 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	2.05+2.05+2.05+2.05+2.8 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
1.8+1.8+1.8+1.8+3.5		10.7	1.51+1.51+1.51+1.51+2.96 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.92+1.92+1.92+1.92+3.32 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+1.8+5.0		12.2	1.33+1.33+1.33+1.33+3.68 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.67+1.67+1.67+1.67+4.32 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+1.8+6.0		9.2	1.23+1.23+1.23+1.23+4.08 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.6+1.6+1.6+1.6+4.6 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+2.5+2.5		10.4	1.56+1.56+1.56+2.16+2.16 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.92+1.92+1.92+2.62+2.62 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+2.5+3.5		11.4	1.42+1.42+1.42+1.97+2.77 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.81+1.81+1.81+2.46+3.11 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+2.5+5.0		12.9	1.26+1.26+1.26+1.74+3.48 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.58+1.58+1.58+2.15+4.11 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+2.5+6.0		13.9	1.17+1.17+1.17+1.62+3.87 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.51+1.51+1.51+2.05+4.42 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+3.5+3.5		12.4	1.3+1.3+1.3+2.55+2.55 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.7+1.7+1.7+2.95+2.95 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+3.5+5.0		13.9	1.17+1.17+1.17+2.27+3.22 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.5+1.5+1.5+2.58+3.92 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
1.8+1.8+1.8+3.5+6.0		14.9	1.09+1.09+1.09+2.11+3.62 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.44+1.44+1.44+2.48+4.2 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	

Monozone/Multizone Combinations

Models	RAM-90QH5 continued													
Combination of Indoor Unit (kW)		Cooling Mode						Heating Mode						
		Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER
					Power Cons.(W)	Ampere(A) – at 230V	–				Power Cons.(W)	Ampere(A) – at 230V	–	
Five Units	1.8+1.8+1.8+5.0+5.0	15.4	1.06+1.06+1.06+2.91+2.91 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.34+1.34+1.34+3.49+3.49 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+1.8+2.5+2.5+2.5	11.1	1.47+1.47+2.02+2.02+2.02 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.81+1.81+2.46+2.46+2.46 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+1.8+2.5+2.5+3.5	12.1	1.34+1.34+1.86+1.86+2.6 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.71+1.71+2.32+2.32+2.94 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+1.8+2.5+2.5+5.0	13.6	1.19+1.19+1.65+1.65+3.32 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.5+1.5+2.04+2.04+3.92 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+1.8+2.5+2.5+6.0	14.6	1.11+1.11+1.54+1.54+3.7 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.44+1.44+1.96+1.96+4.2 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+1.8+2.5+3.5+3.5	13.1	1.24+1.24+1.72+2.4+2.4 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.62+1.62+2.2+2.78+2.78 (3.40-12.10)	11.00	2460 (610-2710)	10.	4.47	A
	1.8+1.8+2.5+3.5+5.0	14.6	1.11+1.11+1.54+2.16+3.08 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.43+1.43+1.95+2.46+3.72 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+1.8+3.5+3.5+3.5	14.1	1.17+1.17+2.22+2.22+2.22 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.54+1.54+2.64+2.64+2.64 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+2.5+2.5+2.5+2.5	11.8	1.36+1.91+1.91+1.91+1.91 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.8+2.3+2.3+2.3+2.3 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+2.5+2.5+2.5+3.5	12.8	1.26+1.76+1.76+1.76+2.46 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.6+2.2+2.2+2.2+2.8 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+2.5+2.5+2.5+5.0	14.3	1.14+1.57+1.57+1.57+3.15 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.45+1.95+1.95+1.95+3.7 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+2.5+2.5+2.5+6.0	15.3	1.06+1.47+1.47+1.47+3.53 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.4+1.85+1.85+1.85+4.05 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+2.5+2.5+3.5+3.5	13.7	1.18+1.63+1.63+2.28+2.28 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.54+2.09+2.09+2.64+2.64 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+2.5+2.5+3.5+5.0	15.3	1.06+1.47+1.47+2.06+2.94 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.37+1.86+1.86+2.35+3.56 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
	1.8+2.5+3.5+3.5+3.5	14.8	1.09+1.52+2.13+2.13+2.13 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.45+1.9+2.55+2.55+2.55 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A
2.5+2.5+2.5+2.5+2.5	12.5	1.8+1.8+1.8+1.8+1.8 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	2.2+2.2+2.2+2.2+2.2 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
2.5+2.5+2.5+2.5+3.5	13.5	1.67+1.67+1.67+1.67+2.32 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	2.09+2.09+2.09+2.09+2.64 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
2.5+2.5+2.5+2.5+5.0	15.0	1.5+1.5+1.5+1.5+3.0 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.86+1.86+1.86+1.86+3.56 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
2.5+2.5+2.5+3.5+3.5	14.5	1.56+1.56+1.56+2.16+2.16 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	2.0+2.0+2.0+2.5+2.5 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	
2.5+2.5+3.5+3.5+3.5	15.5	1.47+1.47+2.02+2.02+2.02 (3.20-9.90)	9.00	2360 (600-3040)	10.4	3.81	A	1.9+1.9+2.4+2.4+2.4 (3.40-12.10)	11.00	2460 (610-2710)	10.8	4.47	A	

* At least two indoor units should be connected.

Monozone/Multizone Combinations

Models	RAM-130QH5												
Combination of Indoor Unit (kW)	Cooling Mode							Heating Mode					
	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER
				Power Cons.(W)	Ampere(A) – at 230V	–				Power Cons.(W)	Ampere(A) – at 230V	–	
One Unit	1.8	1.8 (1.00-2.50)	1.80 (200-750)	560 (200-750)	2.5	3.21	A	2.50 (1.10-3.20)	2.50	750 (200-1050)	3.3	3.33	C
	2.5	2.5 (1.00-2.80)	2.50 (200-980)	780 (200-980)	3.4	3.21	A	3.90 (1.10-4.70)	3.90	1145 (200-1380)	5.0	3.41	B
	3.5	3.5 (1.00-3.90)	3.50 (200-1280)	1160 (200-1280)	5.1	3.02	B	4.80 (1.10-5.80)	4.80	1550 (200-1870)	6.8	3.10	D
	5.0	5.0 (1.00-5.60)	5.00 (200-1960)	1780 (200-1960)	7.8	2.81	C	6.50 (1.10-7.20)	6.50	2400 (200-2660)	10.5	2.71	E
Two Units	1.8+1.8	3.6 (1.50-4.00)	3.60 (200-1300)	1190 (200-1300)	5.2	3.03	B	2.50+2.50 (1.50-5.20)	5.00	1460 (200-1550)	6.4	3.42	B
	1.8+2.5	4.3 (1.50-4.60)	4.20 (200-1450)	1310 (200-1450)	5.8	3.21	A	2.40+3.80 (1.50-6.30)	6.20	1820 (200-1920)	8.0	3.41	B
	1.8+3.5	5.3 (1.50-5.60)	5.00 (200-1820)	1650 (200-1820)	7.2	3.03	B	2.30+4.50 (1.50-7.20)	6.80	1995 (200-2100)	8.8	3.41	B
	1.8+5.0	6.8 (1.50-5.90)	5.40 (200-1980)	1795 (200-1980)	7.9	3.01	B	2.00+5.00 (1.50-7.20)	7.00	2050 (200-2100)	9.0	3.41	B
	2.5+2.5	5.0 (1.50-5.60)	5.00 (200-1820)	1650 (200-1820)	7.2	3.0	B	3.40+3.40 (1.50-7.20)	6.80	2015 (200-2100)	8.8	3.37	C
	2.5+3.5	6.0 (1.50-5.70)	5.20 (200-1900)	1730 (200-1900)	7.6	3.01	B	3.15+3.85 (1.50-7.20)	7.00	2070 (200-2100)	9.1	3.38	C
	3.5+3.5	7.0 (1.50-5.90)	5.40 (200-1980)	1795 (200-1980)	7.9	3.01	B	3.60+3.60 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.4	B
	2.5+5.0	7.5 (1.50-5.90)	5.40 (200-1980)	1795 (200-1980)	7.9	3.01	B	2.70+4.50 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.41	B
	3.5+5.0	8.5 (1.50-5.90)	5.40 (200-2200)	1995 (200-2200)	8.8	2.71	D	3.05+4.15 (1.50-7.20)	7.20	2110 (200-2110)	9.3	3.41	B
	1.8+1.8+1.8	5.4 (1.50-6.00)	5.40 (200-2200)	1780 (200-2200)	7.8	3.03	B	2.33+2.33+2.33 (1.50-7.20)	7.00	1850 (200-2110)	8.2	3.78	A
Three Units	1.8+1.8+2.5	6.1 (1.50-6.40)	6.10 (200-2200)	2020 (200-2200)	8.9	3.02	B	2.00+2.00+3.20 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	1.8+1.8+3.5	7.1 (1.50-6.60)	6.30 (200-2200)	2095 (200-2200)	9.2	3.01	B	1.85+1.85+3.50 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	1.8+1.8+5.0	8.6 (1.50-6.60)	6.30 (200-2200)	2095 (200-2200)	9.2	3.01	B	1.60+1.60+4.00 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	1.8+2.5+2.5	6.8 (1.50-6.60)	6.30 (200-2200)	2095 (200-2200)	9.2	3.01	B	1.80+2.70+2.70 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	1.8+2.5+3.5	7.8 (1.50-6.60)	6.30 (200-2200)	2095 (200-2200)	9.2	3.01	B	1.60+2.50+3.10 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	1.8+3.5+3.5	8.8 (1.50-6.60)	6.30 (200-2200)	2095 (200-2200)	9.2	3.01	B	1.40+2.90+2.90 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	2.5+2.5+2.5	7.5 (1.50-6.60)	6.30 (200-2200)	2095 (200-2200)	9.2	3.01	B	2.40+2.40+2.40 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	2.5+2.5+3.5	8.5 (1.50-6.60)	6.30 (200-2200)	2095 (200-2200)	9.2	3.01	B	2.23+2.23+2.74 (1.50-7.20)	7.20	1900 (200-2110)	8.4	3.79	A
	(1.8+1.8)+(1.8+1.8)	7.2 (1.50-8.00)	7.20 (200-2600)	2380 (200-2600)	10.5	3.03	B	(2.50+2.50)+(2.50+2.50) (1.50-10.40)	10.00	2920 (200-3100)	12.8	3.42	B
	(1.8+1.8)+(1.8+2.5)	7.9 (1.50-8.60)	7.80 (200-2750)	2500 (200-2750)	11.0	3.12	B	(2.50+2.50)+(2.40+3.80) (1.50-11.50)	11.20	3280 (200-3470)	14.4	3.41	B
Four Units	(1.8+2.5)+(1.8+2.5)	8.6 (1.50-9.20)	8.40 (200-2900)	2620 (200-2900)	11.5	3.21	A	(2.40+3.80)+(2.40+3.80) (1.50-12.60)	12.40	3640 (200-3840)	16.0	3.41	B
	(1.8+1.8)+(1.8+3.5)	8.9 (1.50-9.60)	8.60 (200-3120)	2840 (200-3120)	12.5	3.03	B	(2.50+2.50)+(2.30+4.50) (1.50-12.40)	11.80	3455 (200-3650)	15.2	3.42	B



Monozone/Multizone Combinations

Models	RAM-130QH5 continued														
Combination of Indoor Unit (kW)		Cooling Mode							Heating Mode						
		Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER	
					Power Cons.(W)	Ampere(A) at 230V	–				Power Cons.(W)	Ampere(A) at 230V	–		
Four Units	(1.8+2.5)+(1.8+3.5)	9.6	(1.80+2.40)+(1.70+3.30) (1.50-10.20)	9.20	2960 (200-3270)	13.0	3.11	B	(2.40+3.80)+(2.30+4.50) (1.50-13.50)	13.00	3815 (200-4020)	16.8	3.41	B	
	(1.8+1.8)+(1.8+5.0)	10.4	(1.80+1.80)+(1.40+4.00) (1.50-9.90)	9.00	2985 (200-3280)	13.1	3.02	B	(2.50+2.50)+(2.00+5.00) (1.50-12.40)	12.00	3510 (200-3650)	15.4	3.4	B	
	(1.8+2.5)+(1.8+5.0)	11.1	(1.80+2.40)+(1.40+4.00) (1.50-10.50)	9.60	3105 (200-3430)	13.6	3.09	B	(2.40+3.80)+(2.00+5.00) (1.50-13.50)	13.20	3870 (200-4020)	17.0	3.41	B	
	(1.8+3.5)+(1.8+3.5)	10.6	(1.70+3.30)+(1.70+3.30) (1.50-11.50)	10.00	3300 (200-3640)	14.5	3.03	B	(2.30+4.50)+(2.30+4.50) (1.50-14.40)	13.60	3990 (200-4200)	17.5	3.41	B	
	(1.8+3.5)+(1.8+5.0)	12.1	(1.70+3.30)+(1.40+4.00) (1.50-11.50)	10.40	3445 (200-3800)	15.1	3.02	B	(2.30+4.50)+(2.00+5.00) (1.50-14.40)	13.80	4045 (200-4200)	17.8	3.41	B	
	(1.8+5.0)+(1.8+5.0)	13.6	(1.40+4.00)+(1.40+4.00) (1.50-11.80)	10.80	3590 (200-3960)	15.8	3.01	B	(2.00+5.00)+(2.00+5.00) (1.50-14.40)	14.00	4100 (200-4200)	18.0	3.41	B	
	(1.8+2.5)+(2.5+2.5)	9.3	(1.80+2.40)+(2.50+2.50) (1.50-10.20)	9.20	2960 (200-3270)	13.0	3.11	B	(2.40+3.80)+(3.40+3.40) (1.50-13.50)	13.00	3835 (200-4020)	16.8	3.39	C	
	(1.8+5.0)+(2.5+2.5)	11.8	(1.40+4.00)+(2.50+2.50) (1.50-11.50)	10.40	3445 (200-3800)	15.1	3.02	B	(2.00+5.00)+(3.40+3.40) (1.50-14.40)	13.80	4065 (200-4200)	17.9	3.39	C	
	(1.8+3.5)+(2.5+2.5)	9.6	(1.70+3.30)+(2.50+2.50) (1.50-11.20)	10.00	3300 (200-3640)	14.5	3.03	B	(2.30+4.50)+(3.40+3.40) (1.50-14.40)	13.60	4010 (200-4200)	17.6	3.39	C	
	(1.8+3.5)+(2.5+3.5)	11.3	(1.70+3.30)+(2.17+3.03) (1.50-11.30)	10.20	3380 (200-3720)	14.8	3.02	B	(2.30+4.50)+(3.15+3.85) (1.50-14.40)	13.80	4065 (200-4200)	17.9	3.39	C	
	(1.8+5.0)+(2.5+3.5)	12.8	(1.40+4.00)+(2.17+3.03) (1.50-11.60)	10.60	3525 (200-3880)	15.5	3.01	B	(2.00+5.00)+(3.15+3.85) (1.50-14.40)	14.00	4120 (200-4200)	18.1	3.40	C	
	(1.8+5.0)+(2.5+5.0)	14.3	(1.40+4.00)+(1.80+3.60) (1.50-11.80)	10.80	3590 (200-3960)	15.8	3.01	B	(2.00+5.00)+(2.70+4.50) (1.50-14.40)	14.20	4160 (200-4210)	18.3	3.41	B	
	(1.8+3.5)+(3.5+3.5)	12.3	(1.70+3.30)+(2.70+2.70) (1.50-11.50)	10.40	3445 (200-3800)	15.1	3.02	B	(2.30+4.50)+(3.60+3.60) (1.50-14.40)	14.00	4105 (200-4210)	18.0	3.41	B	
	(1.8+5.0)+(3.5+3.5)	13.8	(1.40+4.00)+(2.70+2.70) (1.50-11.80)	10.80	3590 (200-3960)	15.8	3.01	B	(2.00+5.00)+(3.60+3.60) (1.50-14.40)	14.20	4160 (200-4210)	18.3	3.41	B	
	(1.8+5.0)+(3.5+5.0)	15.3	(1.40+4.00)+(2.20+3.20) (1.50-11.80)	10.80	3790 (200-4180)	16.6	2.85	C	(2.00+5.00)+(3.05+4.15) (1.50-14.40)	14.20	4160 (200-4210)	18.3	3.41	B	
	(2.5+2.5)+(2.5+2.5)	13.5	(2.50+2.50)+(2.50+2.50) (1.50-11.20)	10.00	3300 (200-3640)	14.5	3.0	B	(3.40+3.40)+(3.40+3.40) (1.50-14.40)	13.60	4030 (200-4200)	17.7	3.37	C	
	(2.5+2.5)+(2.5+3.5)	11.0	(2.50+2.50)+(2.17+3.03) (1.50-11.30)	10.20	3380 (200-3720)	14.8	3.02	B	(3.40+3.40)+(3.15+3.85) (1.50-14.40)	13.80	4085 (200-4200)	17.9	3.38	C	
	(2.5+2.5)+(2.5+5.0)	12.5	(2.50+2.50)+(1.80+3.60) (1.50-11.50)	10.40	3445 (200-3800)	15.1	3.02	B	(3.40+3.40)+(2.70+4.50) (1.50-14.40)	14.00	4125 (200-4210)	18.1	3.39	C	
	(2.5+3.5)+(2.5+3.5)	14.0	(2.17+3.03)+(2.17+3.03) (1.50-11.40)	10.40	3460 (200-3800)	15.2	3.01	B	(3.15+3.85+3.15+3.85) (1.50-14.40)	14.00	4140 (200-4200)	18.2	3.38	C	
	(2.5+5.0)+(2.5+3.5)	13.5	(1.80+3.60)+(2.17+3.03) (1.50-11.60)	10.60	3525 (200-3880)	15.5	3.01	B	(2.70+4.50)+(3.15+3.85) (1.50-14.40)	14.20	4180 (200-4210)	18.4	3.40	C	
	(2.5+5.0)+(2.5+5.0)	15.0	(1.80+3.60)+(1.80+3.60) (1.50-11.80)	10.80	3590 (200-3960)	15.8	3.01	B	(2.70+4.50)+(2.70+4.50) (1.50-14.40)	14.40	4220 (200-4220)	18.5	3.41	B	
	(2.5+3.5)+(3.5+3.5)	13.0	(2.17+3.03)+(2.70+2.70) (1.50-11.60)	10.60	3525 (200-3880)	15.5	3.01	B	(3.15+3.85)+(3.60+3.60) (1.50-14.40)	14.20	4180 (200-4210)	18.4	3.40	C	
	(2.5+5.0)+(3.5+3.5)	14.5	(1.80+3.60)+(2.70+2.70) (1.50-11.80)	10.80	3590 (200-3960)	15.8	3.01	B	(2.70+4.50)+(3.60+3.60) (1.50-14.40)	14.40	4220 (200-4220)	18.5	3.41	B	
	(3.5+3.5)+(3.5+3.5)	14.0	(2.70+2.70)+(2.70+2.70) (1.50-11.80)	10.80	3590 (200-3960)	15.8	3.01	B	(3.60+3.60)+(3.60+3.60) (1.50-14.40)	14.40	4220 (200-4220)	18.5	3.41	B	
	(3.5+3.5)+(3.5+5.0)	15.5	(2.70+2.70)+(2.20+3.20) (1.50-11.80)	10.80	3790 (200-4180)	16.6	2.85	C	(3.60+3.60)+(3.05+4.15) (1.50-14.40)	14.40	4220 (200-4220)	18.5	3.41	B	
	(3.5+5.0)+(3.5+5.0)	17.0	(2.20+3.20)+(2.20+3.20) (1.50-11.80)	10.80	3990 (200-4400)	17.5	2.71	D	(3.05+4.15)+(3.05+4.15) (1.50-14.40)	14.40	4220 (200-4220)	18.5	3.41	B	

Monozone/Multizone Combinations

Models	RAM-130QH5 continued												
Combination of Indoor Unit (kW)	Cooling Mode							Heating Mode					
	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER
				Power Cons.(W)	Ampere(A) at 230V	–				Power Cons.(W)	Ampere(A) at 230V	–	
(1.8+1.8)+ (1.8+1.8+1.8)	9.0	(1.80+1.80)+ (1.80+1.80+1.80) (1.50-10.00)	9.00	2970 (200-3500)	13.0	3.03	B	(2.50+2.50)+ (2.33+2.33+2.33) (1.50-12.40)	12.00	3310 (200-3660)	14.5	3.63	B
(1.8+1.8)+ (1.8+1.8+2.5)	11.5	(1.80+1.80)+ (1.80+1.80+2.50) (1.50-10.40)	9.70	3210 (200-3500)	14.1	3.02	B	(2.50+2.50)+ (2.00+2.00+3.20) (1.50-12.40)	12.20	3360 (200-3660)	14.8	3.63	B
(1.8+3.5)+ (1.8+1.8+1.8)	10.7	(1.70+3.30)+ (1.80+1.80+1.80) (1.50-11.60)	10.40	3430 (200-4020)	15.1	3.03	B	(2.30+4.50)+ (2.33+2.33+2.33) (1.50-14.40)	13.80	3845 (200-4210)	16.9	3.5	B
(1.8+5.0)+ (1.8+1.8+1.8)	12.2	(1.40+4.00)+ (1.80+1.80+1.80) (1.50-11.90)	10.80	3575 (200-4180)	15.7	3.02	B	(2.00+5.00)+ (2.33+2.33+2.33) (1.50-14.40)	14.00	3900 (200-4210)	17.1	3.59	B
(1.8+2.5)+ (1.8+1.8+2.5)	10.4	(1.80+2.40)+ (1.80+1.80+2.50) (1.50-11.00)	10.30	3330 (200-3650)	14.6	3.09	B	(2.40+3.80)+ (2.00+2.00+3.20) (1.50-13.50)	13.40	3720 (200-4030)	16.3	3.60	B
(1.8+3.5)+ (1.8+1.8+2.5)	11.4	(1.70+3.30)+ (1.80+1.80+2.50) (1.50-12.00)	11.10	3670 (200-4020)	16.1	3.02	B	(2.30+4.50)+ (2.00+2.00+3.20) (1.50-14.40)	14.00	3895 (200-4210)	17.1	3.59	B
(1.8+5.0)+ (1.8+1.8+2.5)	12.9	(1.40+4.00)+ (1.80+1.80+2.50) (1.50-12.30)	11.50	3815 (200-4180)	16.8	3.01	B	(2.00+5.00)+ (2.00+2.00+3.20) (1.50-14.40)	14.20	3950 (200-4210)	17.3	3.59	B
(1.8+3.5)+ (1.8+1.8+3.5)	12.4	(1.70+3.30)+ (1.60+1.60+3.10) (1.50-12.20)	11.30	3745 (200-4020)	16.4	3.02	B	(2.30+4.50)+ (1.85+1.85+3.50) (1.50-14.40)	14.00	3895 (200-4210)	17.1	3.59	B
(1.8+5.0)+ (1.8+1.8+3.5)	13.9	(1.40+4.00)+ (1.60+1.60+3.10) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.00+5.00)+ (1.85+1.85+3.50) (1.50-14.40)	14.20	3950 (200-4210)	17.3	3.59	B
(1.8+5.0)+ (1.8+1.8+5.0)	15.4	(1.40+4.00)+ (1.30+1.30+3.70) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.00+5.00)+ (1.60+1.60+4.00) (1.50-14.40)	14.20	3950 (200-4210)	17.3	3.59	B
(2.5+2.5)+ (1.8+1.8+2.5)	11.1	(2.50+2.50)+ (1.80+1.80+2.50) (1.50-12.00)	11.10	3670 (200-4020)	16.1	3.02	B	(3.40+3.40)+ (2.00+2.00+3.20) (1.50-14.40)	14.00	3915 (200-4210)	17.2	3.58	B
(2.5+3.5)+ (1.8+1.8+2.5)	12.1	(2.17+3.03)+ (1.80+1.80+2.50) (1.50-12.10)	11.30	3750 (200-4100)	16.5	3.01	B	(3.15+3.85)+ (2.00+2.00+3.20) (1.50-14.40)	14.20	3970 (200-4210)	17.4	3.58	B
(1.8+5.0)+ (1.8+2.5+2.5)	13.6	(1.40+4.00)+ (1.70+2.30+2.30) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.00+5.00)+ (1.80+2.70+2.70) (1.50-14.40)	14.20	3950 (200-4210)	17.3	3.59	B
(3.5+3.5)+ (1.8+1.8+2.5)	13.1	(2.70+2.70)+ (1.80+1.80+2.50) (1.50-12.30)	11.50	3815 (200-4180)	16.8	3.01	B	(3.60+3.60)+ (2.00+2.00+3.20) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(1.8+5.0)+ (1.8+2.5+3.5)	14.6	(1.40+4.00)+ (1.50+2.00+2.80) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.00+5.00)+ (1.60+2.50+3.10) (1.50-14.40)	14.20	3950 (200-4210)	17.3	3.59	B
(3.5+3.5)+ (1.8+1.8+3.5)	14.1	(2.70+2.70)+ (1.60+1.60+3.10) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(3.60+3.60)+ (1.85+1.85+3.50) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(2.5+2.5)+ (1.8+2.5+2.5)	11.8	(2.50+2.50)+ (1.70+2.30+2.30) (1.50-12.20)	11.30	3745 (200-4020)	16.4	3.02	B	(3.40+3.40)+ (1.80+2.70+2.70) (1.50-14.40)	14.00	3915 (200-4210)	17.2	3.58	B
(2.5+3.5)+ (1.8+2.5+2.5)	12.8	(2.17+3.03)+ (1.70+2.30+2.30) (1.50-12.30)	11.50	3825 (200-4100)	16.8	3.01	B	(3.15+3.85)+ (1.80+2.70+2.70) (1.50-14.40)	14.20	3970 (200-4210)	17.4	3.58	B
(1.8+5.0)+ +(2.5+2.5+2.5)	14.3	(1.40+4.00)+ (2.10+2.10+2.10) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.00+5.00)+ (2.40+2.40+2.40) (1.50-14.40)	14.20	3950 (200-4210)	17.3	3.59	B



Monozone/Multizone Combinations

Models	RAM-130QH5 continued												
Combination of Indoor Unit (kW)	Cooling Mode							Heating Mode					
	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER
				Power Cons.(W)	Ampere(A) at 230V	–				Power Cons.(W)	Ampere(A) at 230V	–	
(3.5+3.5)+ (1.8+2.5+2.5)	13.8	(2.70+2.70)+ (1.70+2.30+2.30) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(3.60+3.60)+ (1.80+2.70+2.70) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(2.5+5.0)+ (1.8+2.5+3.5)	13.6	(1.80+3.60)+ (1.50+2.00+2.80) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.70+4.50)+ (1.60+2.50+3.10) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(3.5+3.5)+ (1.8+2.5+3.5)	14.8	(2.70+2.70)+ 1.50+2.00+2.80) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(3.60+3.60)+ (1.60+2.50+3.10) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(3.5+3.5)+ (1.8+3.5+3.5)	15.8	(2.70+2.70)+ (1.30+2.50+2.50) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(3.60+3.60)+ (1.40+2.90+2.90) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(2.5+2.5)+ (2.5+2.5+2.5)	12.5	(2.50+2.50)+ (2.10+2.10+2.10) (1.50-12.20)	11.30	3745 (200-4020)	16.4	3.02	B	(3.40+3.40)+ (2.40+2.40+2.40) (1.50-14.40)	14.00	3915 (200-4210)	17.2	3.58	B
(2.5+3.5)+ (2.5+2.5+2.5)	13.5	(2.17+3.03)+ (2.10+2.10+2.10) (1.50-12.30)	11.50	3825 (200-4100)	16.8	3.01	B	(3.15+3.85)+ (2.40+2.40+2.40) (1.50-14.40)	14.20	3970 (200-4210)	17.4	3.58	B
(2.5+5.0)+ (2.5+2.5+2.5)	15.0	(1.80+3.60)+ (2.10+2.10+2.10) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.70+4.50)+ (2.40+2.40+2.40) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(3.5+3.5)+ (2.5+2.5+2.5)	14.5	(2.70+2.70)+ (2.10+2.10+2.10) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(3.60+3.60)+ (2.40+2.40+2.40) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(2.5+5.0)+ (2.5+2.5+3.5)	16.0	(1.80+3.60)+ (1.85+1.85+2.60) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(2.70+4.50)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(3.5+3.5)+ (2.5+2.5+3.5)	15.5	(2.70+2.70)+ (1.85+1.85+2.60) (1.50-12.50)	11.70	3890 (200-4180)	17.1	3.01	B	(3.60+3.60)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
(3.5+5.0)+ (2.5+2.5+3.5)	17.0	(2.20+3.20)+ (1.85+1.85+2.60) (1.50-12.50)	11.70	4090 (200-4400)	18.0	2.86	B	(3.05+4.15)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	4010 (200-4220)	17.6	3.59	B
Six Units	(1.8+1.8+1.8)+ (1.8+1.8+1.8)	(1.80+1.80+1.80)+ (1.80+1.80+1.80) (1.50-12.00)	10.80	3560 (200-4400)	15.6	3.03	B	(2.33+2.33+2.33)+ (2.33+2.33+2.33) (1.50-14.40)	14.00	3700 (200-4220)	16.2	3.78	A
	(1.8+1.8+1.8)+ (1.8+1.8+2.5)	(1.80+1.80+1.80)+ (1.80+1.80+2.50) (1.50-12.40)	11.50	3800 (200-4400)	16.7	3.0	B	(2.33+2.33+2.33)+ (2.00+2.00+3.20) (1.50-14.40)	14.20	3750 (200-4220)	16.5	3.79	A
	(1.8+1.8+1.8)+ (1.8+1.8+3.5)	(1.80+1.80+1.80)+ (1.60+1.60+3.10) (1.50-12.60)	11.70	3875 (200-4400)	17.0	3.02	B	(2.33+2.33+2.33)+ (1.85+1.85+3.50) (1.50-14.40)	14.20	3750 (200-4220)	16.5	3.79	A
	(1.8+1.8+1.8)+ (1.8+1.8+5.0)	(1.80+1.80+1.80)+ (1.30+1.30+3.70) (1.50-12.60)	11.70	3875 (200-4400)	17.0	3.02	B	(2.33+2.33+2.33)+ (1.60+1.60+4.00) (1.50-14.40)	14.20	3750 (200-4220)	16.5	3.79	A
	(1.8+1.8+2.5)+ (1.8+1.8+2.5)	(1.80+1.80+2.50)+ (1.80+1.80+2.50) (1.50-12.80)	12.20	4040 (200-4400)	17.7	3.02	B	(2.00+2.00+3.20)+ (2.00+2.00+3.20) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A
	(1.8+1.8+2.5)+ (1.8+1.8+3.5)	(1.80+1.80+2.50)+ (1.60+1.60+3.10) (1.50-13.00)	12.40	4115 (200-4400)	18.1	3.01	B	(2.00+2.00+3.20)+ (1.85+1.85+3.50) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A
	(1.8+1.8+2.5)+ (1.8+1.8+5.0)	(1.80+1.80+2.50)+ (1.30+1.30+3.70) (1.50-13.00)	12.40	4115 (200-4400)	18.1	3.01	B	(2.00+2.00+3.20)+ (1.60+1.60+4.00) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A
	(1.8+1.8+3.5)+ (1.8+1.8+3.5)	(1.60+1.60+3.10)+ (1.60+1.60+3.10) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.85+1.85+3.50)+ (1.85+1.85+3.50) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A

Monozone/Multizone Combinations

Models	RAM-130QH5 continued													
Combination of Indoor Unit (kW)	Cooling Mode							Heating Mode						
	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER	
				Power Cons.(W)	Ampere(A) – at 230V	–				Power Cons.(W)	Ampere(A) – at 230V	–		
(1.8+1.8+3.5)+ (1.8+1.8+5.0)	15.7	(1.60+1.60+3.10)+ (1.30+1.30+3.70) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.85+1.85+3.50)+ (1.60+1.60+4.00) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+5.0)+ (1.8+1.8+5.0)	17.2	(1.30+1.30+3.70)+ (1.30+1.30+3.70) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+1.60+4.00)+ (1.60+1.60+4.00) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+2.5)+ (1.8+2.5+3.5)	12.9	(1.80+1.80+2.50)+ (1.70+2.30+2.30) (1.50-13.00)	12.40	4115 (200-4400)	18.1	3.01	B	(2.00+2.00+3.20)+ (1.80+2.70+2.70) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+2.5)+ (1.8+2.5+3.5)	13.9	(1.80+1.80+2.50)+ (1.50+2.00+2.80) (1.50-13.00)	12.40	4115 (200-4400)	18.1	3.01	B	(2.00+2.00+3.20)+ (1.60+2.50+3.10) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+5.0)+ (1.8+2.5+2.5)	15.4	(1.30+1.30+3.70)+ (1.70+2.30+2.30) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+1.60+4.00)+ (1.80+2.70+2.70) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+3.5)+ (1.8+2.5+3.5)	12.4	(1.60+1.60+3.10)+ (1.50+2.00+2.80) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.85+1.85+3.50)+ (1.60+2.50+3.10) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+5.0)+ (1.8+2.5+3.5)	16.4	(1.30+1.30+3.70)+ (1.50+2.00+2.80) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+1.60+4.00)+ (1.60+2.50+3.10) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+3.5)+ (1.8+3.5+3.5)	15.9	(1.60+1.60+3.10)+ (1.30+2.50+2.50) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.85+1.85+3.50)+ (1.40+2.90+2.90) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+5.0)+ (1.8+3.5+3.5)	17.4	(1.30+1.30+3.70)+ (1.30+2.50+2.50) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+1.60+4.00)+ (1.40+2.90+2.90) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+2.5+2.5)+ (1.8+2.5+2.5)	13.6	(1.70+2.30+2.30)+ (1.70+2.30+2.30) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.80+2.70+2.70)+ (1.80+2.70+2.70) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+2.5+2.5)+ (1.8+2.5+3.5)	14.6	(1.70+2.30+2.30)+ (1.50+2.00+2.80) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.80+2.70+2.70)+ (1.60+2.50+3.10) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+5.0)+ (2.5+2.5+2.5)	16.1	(1.30+1.30+3.70)+ (2.10+2.10+2.10) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+1.60+4.00)+ (2.40+2.40+2.40) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+2.5+3.5)+ (1.8+2.5+3.5)	15.6	(1.50+2.00+2.80)+ (1.50+2.00+2.80) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+2.50+3.10)+ (1.60+2.50+3.10) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+1.8+5.0)+ (2.5+2.5+3.5)	17.1	(1.30+1.30+3.70)+ (1.85+1.85+2.60) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+1.60+4.00)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+2.5+3.5)+ (1.8+3.5+3.5)	16.6	(1.50+2.00+2.80)+ (1.30+2.50+2.50) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+2.50+3.10)+ (1.40+2.90+2.90) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+3.5+3.5)+ (1.8+3.5+3.5)	17.6	(1.30+2.50+2.50)+ (1.30+2.50+2.50) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.40+2.90+2.90)+ (1.40+2.90+2.90) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+2.5+2.5)+ (2.5+2.5+2.5)	14.3	(1.70+2.30+2.30)+ (2.10+2.10+2.10) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.80+2.70+2.70)+ (2.40+2.40+2.40) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+2.5+3.5)+ (2.5+2.5+2.5)	15.3	(1.50+2.00+2.80)+ (2.10+2.10+2.10) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+2.50+3.10)+ (2.40+2.40+2.40) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	
(1.8+2.5+3.5)+ (2.5+2.5+3.5)	16.3	(1.50+2.00+2.80)+ (1.85+1.85+2.60) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.60+2.50+3.10)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A	



Monozone/Multizone Combinations

Models	RAM-130QH5 continued													
Combination of Indoor Unit (kW)	Cooling Mode						Heating Mode							
	Total (kW)	Capacity Rating (kW) (Range)	Total (kW)	Outdoor Unit			EER	Capacity Rating (kW) (Range)	Total	Outdoor Unit			EER	
				Power Cons.(W)	Ampere(A) at 230V	–				Power Cons.(W)	Ampere(A) at 230V	–		
Six Units	(1.8+3.5+3.5)+ (2.5+2.5+3.5)	15.3	(1.30+2.50+2.50)+ (1.85+1.85+2.60) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(1.40+2.90+2.90)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A
	(2.5+2.5+2.5)+ (2.5+2.5+2.5)	15.0	(2.10+2.10+2.10)+ (2.10+2.10+2.10) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(2.40+2.40+2.40)+ (2.40+2.40+2.40) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A
	(2.5+2.5+2.5)+ (2.5+2.5+3.5)	16.0	(2.10+2.10+2.10)+ (1.85+1.85+2.60) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(2.40+2.40+2.40)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A
	(2.5+2.5+3.5)+ (2.5+2.5+3.5)	17.0	(1.85+1.85+2.60)+ (1.85+1.85+2.60) (1.50-13.20)	12.60	4190 (200-4400)	18.4	3.01	B	(2.23+2.23+2.74)+ (2.23+2.23+2.74) (1.50-14.40)	14.40	3800 (200-4220)	16.7	3.79	A

* At least four indoor units should be connected.
* One unit indicated are only for one unit operation when four indoor units or more are connected.
* Two units indicated are only for two units operation when four indoor units or more are connected.
* Three units indicated are only for three units operation when four indoor units or more are connected.
* Four units indicated are only for four units operation when four indoor units or more are connected.
* Five units indicated are only for five units operation when four indoor units or more are connected.

Outdoor Connection Terminal	4 Unit Connection	5 Unit Connection	6 Unit Connection
Indoor 1	–	–	1.8kW, 2.5kW
Indoor 2	1.8kW, 2.5kW, 3.5kW	1.8kW, 2.5kW, 3.5kW	1.8kW, 2.5kW, 3.5kW*
Indoor 3	1.8kW, 2.5kW, 3.5kW, 5.0kW	1.8kW, 2.5kW, 3.5kW, 5.0kW	1.8kW, 2.5kW, 3.5kW
Indoor 4	–	1.8kW, 2.5kW	1.8kW, 2.5kW
Indoor 5	1.8kW, 2.5kW, 3.5kW	1.8kW, 2.5kW, 3.5kW*	1.8kW, 2.5kW, 3.5kW*
Indoor 6	1.8kW, 2.5kW, 3.5kW, 5.0kW	1.8kW, 2.5kW, 3.5kW	1.8kW, 2.5kW, 3.5kW

3.5kW*, for Indoor 1 and Indoor 4 with 1.8kW indoor connection only.

Accessories



RAR-3U1 / RAR-3U2 / RAR-3U3 / RAR-3U4

Wireless Remote Control
Standard wireless remote control compatible with most of the Mono/Multizone, Summit and Bigflow range.



SPX-RCK2
Wireless Remote Control Kit
Wireless remote control which can be used in place of the standard wired remote control used for RAD models (PM RAD 18 NH7). Applicable to RAD 25/35/50 NH7 and RAD 50/60/70 DH7.



PM RAD 18 NH7
Wired Remote Control
Standard hard wired remote control with built in 12 hour timer. Applicable to 'In the Ceiling' (RAD 25/35/50 NH7) and 'Monoduct' ranges (RAD 50/60/70 DH7).



PSC-6RAD
RAC Adapter
This adapter enables some of the units from the room air conditioning range to be part of the H-Link transmission system and can be controlled by CS Net. Applicable to RAD 25/35/50 NH7 and RAD 50/60/70 DH7 only.



SPX-RCK3
Wired Remote Control Kit



SPX-WKT1
Weekly Timer
Wired Remote Control

Summit

Summit cut out wall mounted unit

RAS/RAC Technical Description

Hitachi have now extended their Summit range to include the new Cut Out Wall Mounted unit. With heating and cooling capacities from 2.5kW to 5.0 kW the Cut Out wall mounted unit incorporates all the features that are expected from Hitachi's Summit range in addition to the following benefits.

Other features of this new addition include:

- New stylish design.
- DC PAM inverter technology.
- High efficiency scroll compressor.
- H-Link/Weekly timer/Wired remote.
- Plasma air purifying system.



Available in a range of colours:

- White and Dark Silver
- Beige and Chocolate



White and Dark Silver



Beige and Chocolate

General Data

Model	Indoor Outdoor	RAS-25WX8 RAC-25WX8	RAS-35WX8 RAC-35WX8	RAS-50WX8 RAC-50WX8
Power Supply			AC 1Ph 220-230V 50Hz	
Nominal (min-max) Cooling Capacity	KW	2.5(0.9-3.1)	3.5(0.9-4.0)	5.0(0.9-5.2)
Nominal (min- max) Heating Capacity	KW	3.4(0.9-4.4)	4.2(0.9-5.0)	6.3(0.9-7.5)
Total Input				
Cooling	W	580(155-1080)	980(155-1300)	1555(155-2200)
Heating	W	790(115-1120)	1010(115-1300)	1745(155-2200)
Total Current				
Cooling	A	3.00-2.87	4.55-4.35	7.14-6.83
Heating	A	3.89-3.72	4.69-4.49	8.01-7.66
EER/COP				
Cooling		4.31	3.57	3.22
Heating		4.30	4.16	3.61
Sound Pressure Level (Overall Scale)				
Cooling	dBA	38/32/26/20	41/35/29/22	47/39/31/25
Heating	dBA	39/33/27/20	41/35/30/22	48/39/31/25
Condenser Sound Pressure Level				
Cooling	dBA	45	46	50
Heating	dBA	46	47	52
Indoor Outer Dimensions (Net/ (Carton))				
Height	mm	295(357)	295(357)	295(357)
Width	mm	795(848)	795(848)	795(848)
Depth	mm	198(289)	198(289)	198(289)
Weight	Kg	10(12)	10(12)	10(12)
Condenser Outer Dimensions (Net/(Carton))				
Height	mm	548(591)	548(591)	600(649)
Width	mm	750(871)	750(871)	792(937)
Depth	mm	288(377)	288(377)	299(394)
Weight	Kg	35(38)	35(38)	42(45)
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant		R410A	R410A	R410A
Flow Control		Expansion Valve	Expansion Valve	Expansion Valve
Compressor				
Type x Qty		DC Scroll x1	DC Scroll x1	DC Scroll x1
Indoor Fan				
Type		DC 35V	DC 35V	DC 35V
Air Flow Rate Cooling	m³/min	8.0/6.2/4.5/3.5	9.7/7.0/5.6/4.6	11.5/9.0/7.3/4.8
Air Flow Rate Heating	m³/min	9.5/7.0/5.5/3.3	10.3/8.5/6.6/4.4	13.0/9.6/8.0/4.8
Condenser Fan				
Type		DC350V	DC350V	DC 350V
Air Flow Rate Cooling/Heating	m³/min	31/27	32/27	36/36
Usable Outdoor Temperature				
Cooling	—	-10-43	-10-43	-10-43
Heating	—	-15-21	-15-21	-15-21
Refrigerant Piping				
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Pipe Run				
Max Pipe Length	m	20	20	30
(Chargeless)	m	20	20	30
Individual Pipe Length	m	—	—	—
Max Pipe Lift	m	10	10	10
Interconnection wires	pcs	3	3	3
Recommended Fuse Size	A	16	16	16
Auto Restart by Previous Mode		Yes	Yes	Yes
Auto Changeover		Yes	Yes	Yes
LED Self Diagnosis		Yes	Yes	Yes
Normal Pre-filter		—	—	—
Stainless Pre-filter		Yes	Yes	Yes
Air Purifying Filter Type		SPX-CFH20	SPX-CFH20	SPX-CFH20
Anti-bacterial Tangential Fan		Yes	Yes	Yes
Plasma Ion Unit		Yes	Yes	Yes
Extended Airflow		Yes	Yes	Yes
H-Link Connectability		Yes	Yes	Yes
Weekly Timer Wired Remote Control		Option	Option	Option
Wired Remote Control		Option	Option	Option
Wired Remote Control Timer	Hr	12	12	12
Wireless Remote Control		Standard	Standard	Standard
Wireless Remote Control Timer	Hr	24	24	24



Summit

Summit framed flat

RAS/RAC Technical Description

Hitachi's R410A All DC Inverter Ranges elevate air conditioning to a new level, incorporating significant advances in electronics technology.

With cooling and heating capacities from 2.0kW to 5.0kW, the all DC Inverter PAM driven mono split SUMMIT Framed Flat range incorporates the R410A refrigerant, Hitachi DC Scroll, or DC Twin Rotary compressor all working together for high performance and ultimate efficiency.

- New Flat Framed design
- DC inverter PAM control
- Highest COP up to 4.31 (AA) in cooling/ 4.30 (AA) in heating
- Low noise down to 20dBA on sleep mode
- Cooling available under -10°C ambient temperature
- Heating available even at -15°C ambient temperature



- Auto restart and Auto changeover
- Washable carbon and anti-bacteria air purifying filter
- 24hr remote control timer
- R410A refrigerant



General Data

Model	Indoor Outdoor	RAS-18FH6 RAC-18YH6	RAS-25FH6 RAC-25YH6	RAS-35FH6 RAC-35YH6	RAS-50FH6 RAC-50YH6
Power Supply		AC 1Ph 220-230V 50Hz			
Nominal (min-max) Cooling Capacity	KW	2.0(0.9-2.5)	2.5(0.9-3.1)	3.5(0.9-4.0)	5.0(0.9-5.2)
Nominal (min- max) Heating Capacity	KW	2.5(0.9-3.2)	3.4(0.9-4.4)	4.2(0.9-5.0)	6.5(0.9-8.1)
Total Input					
Cooling	W	550(155-1010)	700(155-1290)	1090(155-1460)	1780(155-2200)
Heating	W	580(115-970)	880(115-1250)	1110(115-1440)	1970(155-2100)
Total Current					
Cooling	A	2.95-2.81	3.75-3.59	5.22-4.99	8.14-7.50
Heating	A	2.93-2.81	4.45-4.26	5.32-5.09	9.00-8.30
EER/COP					
Cooling		3.64	3.57	3.21	2.81
Heating		4.31	3.86	3.78	3.30
Sound Pressure Level (Overall Scale)					
Cooling	dBA	35/32/26/20	38/32/26/20	42/35/29/25	47/39/28/24
Heating	dBA	36/33/27/23	39/33/27/23	42/35/30/26	47/39/31/27
Condenser Sound Pressure Level					
Cooling	dBA	44	46	46	50
Heating	dBA	46	48	49	52
Indoor Outer Dimensions (Net/ (Carton))					
Height	mm	280(279)	280(279)	280(279)	280(279)
Width	mm	780(828)	780(828)	780(828)	780(828)
Depth	mm	220(341)	220(341)	220(341)	220(341)
Weight	Kg	9.5(11)	9.5(11)	9.5(11)	9.5(11)
Condenser Outer Dimensions (Net/(Carton))					
Height	mm	505(557)	505(557)	548(591)	650(698)
Width	mm	700(809)	700(809)	750(871)	850(1008)
Depth	mm	258(352)	258(352)	288(377)	298(394)
Weight	Kg	27(29)	27(29)	35(38)	45(50)
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant		R410A	R410A	R410A	R410A
Flow Control		Expansion Valve	Expansion Valve	Expansion Valve	Expansion Valve
Compressor					
Type x Qty		DC Rotary x1	DC Rotary x1	DC Rotary x1	DC Twin Rotary x1
Indoor Fan					
Type		DC 35V	DC 35V	DC 35V	DC 35V
Air Flow Rate Cooling	m³/min	7.3/6.7/5.8/5.2	8.5/7.0/6.0/5.4	10.0/8.0/6.5/5.7	13.5/10.0/6.8/6.0
Air Flow Rate Heating	m³/min	8.0/7.0/5.8/5.5	9.5/8.0/7.0/5.8	10.8/8.5/7.5/6.1	13.5/10.0/6.8/6.5
Condenser Fan					
Type		DC380V	DC380V	DC380V	DC 360V
Air Flow Rate Cooling/Heating	m³/min	24/23	31/27	32/27	36/36
Usable Outdoor Temperature					
Cooling	—	-10-43	-10-43	-10-43	-10-43
Heating	—	-15-21	-15-21	-15-21	-15-21
Refrigerant Piping					
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Pipe Run					
Max Pipe Length	m	20	20	20	20
(Chargeless)	m	20	20	20	20
Individual Pipe Length	m	-	-	-	-
Max Pipe Lift	m	10	10	10	10
Interconnection wires		pcs	3	3	3
Recommended Fuse Size		A	16	16	16
Auto Restart by Previous Mode			Yes	Yes	Yes
Auto Changeover			Yes	Yes	Yes
LED Self Diagnosis			Yes	Yes	Yes
Normal Pre-filter			Yes	Yes	Yes
Nano Stainless Pre-filter			Option	Option	Option
Air Purifying Filter Type			SPX-CFH11	SPX-CFH11	SPX-CFH11
Anti-bacterial Tangential Fan			Yes	Yes	Yes
H-Link Connectability			Yes	Yes	Yes
Weekly Timer Wired Remote Control			Option	Option	Option
Wired Remote Control			Option	Option	Option
Wired Remote Control Timer	Hr	12	12	12	12
Wireless Remote Control			Standard	Standard	Standard
Wireless Remote Control Timer	Hr	24	24	24	24



Summit YH5

RAS/RAC Technical Description

Hitachi's R410A All DC Inverter Ranges elevate air conditioning to a new level, incorporating significant advances in electronics technology.

With cooling and heating capacities from 2.0Kw to 8.0Kw, the all DC Inverter PAM driven mono split SUMMIT range incorporates the R410a refrigerant, Hitachi DC Scroll, or DC Twin Rotary compressor all working together for high performance and ultimate efficiency.

- DC inverter PAM control
- Highest COP up to 4.31 (A) in cooling/4.30 (A) in heating
- Low noise down to 20dBA on sleep mode
- Cooling available under -10°C ambient temperature
- Heating available under -15°C ambient temperature
- Auto restart by previous mode and Auto changeover
- Washable carbon and anti-bacteria air purifying filter
- 24hr remote controller timer
- R410A refrigerant



General Data

Model	Indoor Outdoor	RAS-60YH5A RAC-60YH5	RAS-70YH5A RAC-70YH5	RAS-80YH5A RAC-80YH5
Power Supply		AC 1Ph 220-230V 50Hz		
Nominal (min-max) Cooling Capacity	KW	6.05(0.9-6.5)	7.0(0.9-8.0)	8.0(1.5-8.5)
Nominal (min- max) Heating Capacity	KW	7.05(0.9-9.0)	8.2(0.9-9.5)	9.3(1.5-9.7)
Total Input				
Cooling	W	2300(155-2500)	2670(200-2920)	3070(200-3850)
Heating	W	2400(115-2700)	2770(200-3250)	3100(200-3850)
Total Current				
Cooling	A	10.60-10.10	12.30-11.70	14.10-13.50
Heating	A	11.00-10.50	12.70-12.20	14.30-13.60
EER/COP				
Cooling		2.63	2.62	2.61
Heating		2.94	2.96	3.00
Sound Pressure Level (Overall Scale)				
Cooling	dBA	47/42/33/28	48/42/33/30	46/43/40/36
Heating	dBA	47/42/34/33	49/42/33/33	47/44/41/39
Condenser Sound Pressure Level				
Cooling	dBA	50	52	55
Heating	dBA	53	54	57
Indoor Outer Dimensions (Net/ (Carton))				
Height	mm	295(271)	295(271)	333(293)
Width	mm	1030(1100)	1030(1100)	1150(1193)
Depth	mm	191(368)	191(368)	245(388)
Weight	Kg	11(13)	12(14)	15(18)
Condenser Outer Dimensions (Net/(Carton))				
Height	mm	650(698)	800(848)	875(896)
Width	mm	850(1008)	850(1008)	925(1037)
Depth	mm	298(394)	298(394)	315(417)
Weight	Kg	45(50)	52(57)	75(87)
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant		R410A	R410A	R410A
Flow Control		Expansion Valve	Expansion Valve	Expansion Valve
Compressor				
Type x Qty		DC Twin Rotary x1	DC Twin Rotary x1	DC Twin Rotary x1
Indoor Fan				
Type		DC 35V	DC 320V	DC 320V
Air Flow Rate Cooling	m³/min	13.5/12.5/11.3/9.6	14.0/12.5/11.3/10.3	19.0/16.5/13.5/12.1
Air Flow Rate Heating	m³/min	13.5/12.5/11.3/10.9	14.0/12.5/11.3/11.0	19.0/16.5/13.5/12.8
Condenser Fan				
Type		DC 360V	DC 380V	DC 380V
Air Flow Rate Cooling/Heating	m³/min	36/36	47/47	55/55
Usable Outdoor Temperature				
Cooling	—	-10-43	-10-43	-10-43
Heating	—	-15-21	-15-21	-15-21
Refrigerant Piping				
Liquid Line	mm (in)	6.35(1/4)	6.35(1/4)	6.35(1/4)
Gas Line	mm (in)	12.7(1/2)	15.8(5/8)	15.88(5/8)
Pipe Run				
Max Pipe Length	m	30	30	30
(Chargeless)	m	20	20	20
Individual Pipe Length	m	-	-	-
Max Pipe Lift	m	20	20	20
Interconnection wires		pcs	3	5
Recommended Fuse Size		A	16	20
Auto Restart by Previous Mode			Yes	Yes
Auto Changeover			Yes	Yes
LED Self Diagnosis			Yes	Yes
Normal Pre-filter			Yes	Yes
Nano Stainless Pre-filter			Option	Option
Air Purifying Filter Type			SPX-CFH5	SPX-CFH5
Anti-bacterial Tangential Fan			Yes	Yes
H-Link Connectability			Yes	Yes
Weekly Timer Wired Remote Control			Option	Option
Wired Remote Control			Option	Option
Wired Remote Control Timer			12	12
Wireless Remote Control			Standard	Standard
Wireless Remote Control Timer			24	24

Summit

Summit cut out floor mounted unit

RAS/RAC Technical Description

Hitachi have now extended their Summit range to include the new Cut Out floor mounted unit. With heating and cooling capacities from 2.5kW to 5.0 kW the Cut Out wall mounted unit incorporates all the features that are expected from Hitachi's Summit range in addition to the following benefits.

Other features of this new addition include:

- New stylish U-flat design.
- DC PAM inverter technology.
- High efficiency scroll compressor.
- H-Link/Weekly Timer/Wired Remote.
- Removable Stand.



Available in a range of colours:

- White and Dark Silver
- Beige and Chocolate



White and Dark Silver



Beige and Chocolate

General Data

Model	Indoor Outdoor	RAF-25FX8 RAC-25FX8	RAF-35FX8 RAC-35FX8	RAF-50FX8 RAC-50FX8
Power Supply		AC 1Ph 220-230V 50Hz		
Nominal (min-max) Cooling Capacity	KW	2.5(0.9-3.1)	3.5(0.9-4.0)	5.0(0.9-5.2)
Nominal (min- max) Heating Capacity	KW	3.4(0.9-4.4)	4.5(0.9-5.0)	6.5(0.9-8.1)
Total Input	Cooling	580(155-1180)	1020(155-1300)	1560(155-1950)
	Heating	790(115-1120)	1220(115-1300)	1780(155-2100)
Total Current	Cooling	3.11-2.97	4.88-4.67	7.16-6.85
	Heating	3.99-3.82	5.84-5.58	8.17-7.82
EER/COP	Cooling	4.31	3.43	3.21
	Heating	4.30	3.69	3.65
Sound Pressure Level (Overall Scale)				
Cooling	dBA	38/31/26/20	39/31/26/20	43/36/29/22
Heating	dBA	38/31/26/20	39/31/26/20	44/36/29/22
Condenser Sound Pressure Level				
Cooling	dBA	45	46	50
Heating	dBA	47	48	52
Indoor Outer Dimensions (Net/ (Carton))				
Height	mm	590(286)	590(286)	590(286)
Width	mm	750(800)	750(800)	750(800)
Depth	mm	215(646)	215(646)	215(646)
Weight	Kg	15(17)	15(17)	15(17)
Condenser Outer Dimensions (Net/(Carton))				
Height	mm	548(591)	548(591)	600(649)
Width	mm	750(871)	750(871)	792(937)
Depth	mm	288(377)	288(377)	299(394)
Weight	Kg	35(38)	35(38)	42(45)
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant		R410A	R410A	R410A
Flow Control		Expansion Valve	Expansion Valve	Expansion Valve
Compressor				
Type x Qty		DC Scroll x1	DC Scroll x1	DC Scroll x1
Indoor Fan				
Type		DC 35V	DC 35V	DC 35V
Air Flow Rate Cooling		10.5/8.5/6.5/4.5	11.0/8.5/6.5/4.5	12.0/9.0/7.5/5.0
Air Flow Rate Heating		11.0/9.0/7.0/5.0	11.5/9.0/7.0/5.0	12.5/9.5/8.0/5.5
Condenser Fan				
Type		DC350V	DC350V	DC 350V
Air Flow Rate Cooling/Heating		31/27	32/27	36/36
Usable Outdoor Temperature				
Cooling		-10-43	-10-43	-10-43
Heating		-15-21	-15-21	-15-21
Refrigerant Piping				
Liquid Line		6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line		9.52 (3/8)	9.52 (3/8)	12.7 (1/2)
Pipe Run				
Max Pipe Length		20	20	30
(Chargeless)		20	20	30
Individual Pipe Length		—	—	—
Max Pipe Lift		10	10	10
Interconnection wires		pcs	3	3
Recommended Fuse Size		A	16	16
Auto Restart by Previous Mode		Yes	Yes	Yes
Auto Changeover		Yes	Yes	Yes
LED Self Diagnosis		Yes	Yes	Yes
Normal Pre-filter		—	—	—
Stainless Pre-filter		Yes	Yes	Yes
Air Purifying Filter Type		SPX-CFH15	SPX-CFH15	SPX-CFH15
Anti-bacterial Tangential Fan		—	—	—
Plasma Ion Unit		—	—	—
Extended Airflow		Yes	Yes	Yes
H-Link Connectability		Yes	Yes	Yes
Weekly Timer Wired Remote Control		Option	Option	Option
Wired Remote Control		Option	Option	Option
Wired Remote Control Timer	Hr	12	12	12
Wireless Remote Control		Standard	Standard	Standard
Wireless Remote Control Timer	Hr	24	24	24





Monoduct

RAS/RAC Technical Description

Hitachi has extended its room air conditioning offering to include the new Monoduct range. The R410A, all DC Inverter range of 'In-the-ceiling' units are ideal for light commercial and residential use.

- DC Inverter PAM Control
- Low noise down to 28dBA on sleep mode
- Newly developed wired remote controller with built in 12 hour timer
- Optional remote controller also available using SPX-RCK1 remote control kit

- Adjustable static pressure
- Drain pump as standard
- Air in-take pre filter as standard
- Air in-take direction can be horizontal or vertical by interchanging the bottom panel with the fan cover.
- Cooling available under -10°C ambient temperature
- Air in-take direction can be horizontal or vertical by interchanging the bottom panel with the fan cover.
- Cooling available under -10°C ambient temperature



- Heating available under -15°C ambient temperature
- Auto re-start by previous mode and Auto Changeover
- Ready to connect to PCS-6RAD adapter



General Data

Model	Indoor Outdoor	RAD-50DH7A RAC-50DH7	RAD-60DH7A RAC-60DH7	RAD-70DH7A RAC-70DH7
Power Supply			AC 1Ph 220-230V 50Hz	
Nominal (min-max) Cooling Capacity	KW	5.0(0.9-6.0)	6.0(0.9-7.0)	7.1(0.9-8.0)
Nominal (min- max) Heating Capacity	KW	6.0(0.9-7.0)	7.3(0.9-8.0)	8.0(0.9-9.0)
Total Input	Cooling	1400(200-2100)	1870(200-2500)	2530(200-2920)
	Heating	1590(200-2200)	2130(200-2600)	2340(200-3100)
Total Current	Cooling	6.40-6.15	8.55-8.21	11.60-11.10
	Heating	7.30-6.98	9.75-9.35	10.70-10.27
EER/COP	Cooling	3.57	3.21	2.81
	Heating	3.77	3.43	3.42
Sound Pressure Level (Overall Scale)		Cooling	34/32/30/28	34/32/30/28
		Heating	35/33/31/29	35/33/31/29
Condenser Sound Pressure Level		Cooling	47	48
		Heating	50	51
Indoor Outer Dimensions (Net/ (Carton))		Height	270(280)	270(280)
		Width	900(1110)	900(1110)
		Depth	720(850)	720(850)
		Weight	35(39)	35(39)
Static Pressure		Pa	std:50 (low:30,high:80)	std:50 (low:30,high:80)
Condenser Outer Dimensions (Net/(Carton))		Height	800(848)	800(848)
		Width	850(1008)	850(1008)
		Depth	298(394)	298(394)
		Weight	55(60)	55(60)
Cabinet Colour (Munsell Code)			Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant			R410A	R410A
Flow Control			Expansion Valve	Expansion Valve
Compressor				
Type x Qty			DC Twin Rotary x1	DC Twin Rotary x1
Indoor Fan				
Type			DC 320V	DC 320V
Air Flow Rate Cooling		m³/min	15.0/13.0/11.0/10.3	15.0/13.0/11.0/10.3
Air Flow Rate Heating		m³/min	15.0/13.0/11.0/10.3	15.0/13.0/11.0/10.3
Condenser Fan				
Type			DC380V	DC380V
Air Flow Rate Cooling/Heating		m³/min	45/45	45/45
Usable Outdoor Temperature				
Cooling		—	-10-43	-10-43
Heating		—	-15-21	-15-21
Refrigerant Piping				
Liquid Line		mm (in)	6.35 (1/4)	6.35 (1/4)
Gas Line		mm (in)	12.7 (1/2)	12.7 (1/2)
Pipe Run				
Max Pipe Length		m	30	30
(Chargeless)		m	30	30
Individual Pipe Length		m	-	-
Max Pipe Lift		m	20	20
Interconnection wires		pcs	5	5
Recommended Fuse Size		A	20	20
Auto Restart by Previous Mode			Yes	Yes
Auto Changeover			Yes	Yes
LED Self Diagnosis			Yes	Yes
Normal Pre Filter			Yes	Yes
Nano Stainless Pre-filter			-	-
Air Purifying Filter Type			-	-
Anti-bacterial Tangential Fan			-	-
Plasma Ion Unit			-	-
Extended Airflow			-	-
H-Link Connectability			Yes	Yes
Weekly Timer Wired Remote Control			Option	Option
Wired Remote Control			Yes	Yes
Wired Remote Control Timer		Hr	12	12
Wireless Remote Control			Option	Option
Wireless Remote Control Timer		Hr	24	24

Bigflow

RAS/RAC Technical Description

The Hitachi R410A mono split system offers a cost effective and efficient solution to climate control in one zone. With cooling only and heat pump models available and with their compact design, reliability and high efficiency, this range is suited to a wide variation of applications.

- Energy label A class COP
- Low noise down to 23dBA on sleep mode
- Heating available under -10°C ambient temperature
- Auto restart by previous mode
- Washable carbon and anti-bacteria air purifying filter
- 24hr remote control timer
- R410A refrigerant



General Data

Model	Indoor Outdoor	RAS-07GH4 RAC-07GH4	RAS-09GH4 RAC-09GH4	RAS-14GH4 RAC-14GH4	RAS-18GH4 RAC-18GH4	RAS-24GH4 RAC-24GH4
Power Supply		AC 1Ph 220-240V 50Hz				
Nominal (min-max) Cooling Capacity	KW	2.1	2.9	3.5	5.1	6.5
Nominal (min- max) Heating Capacity	KW	2.2	3.0	3.85	5.75	7.6
Total Input	Cooling	W	610	900	1090	2490
	Heating	W	510	770	1000	2660
Total Current	Cooling	A	2.8	4.1	5.0	7.23
	Heating	A	2.3	4.5	4.6	7.61
EER/COP	Cooling		3.44	3.22	3.21	3.23
	Heating		4.31	3.90	3.85	3.42
Sound Pressure Level (Overall Scale)						
Cooling	dBA	36/30/25/23	38/35/28/24	41/36/31/27	45/42/39/36	45/42/40/38
Heating	dBA	36/32/28/28	39/34/31/31	42/37/34/34	45/39/36/36	45/42/40/40
Condenser Sound Pressure Level						
Cooling	dBA	45	48	49	50	54
Heating	dBA	46	49	50	52	54
Indoor Outer Dimensions (Net/ (Carton))						
Height	mm	280(330)	280(330)	280(330)	295(271)	295(271)
Width	mm	780(830)	780(830)	780(830)	1030(1100)	1030(1100)
Depth	mm	210(250)	210(250)	210(250)	183(368)	183(368)
Weight	Kg	9(11)	9(11)	9(11)	12(14)	12(14)
Condenser Outer Dimensions (Net/(Carton))						
Height	mm	570(640)	570(640)	570(633)	650(698)	650(698)
Width	mm	700(810)	700(810)	750(905)	850(1008)	850(1008)
Depth	mm	210(298)	210(298)	280(394)	298(394)	298(394)
Weight	Kg	32(35)	32(35)	38(43)	50(53)	55(60)
Cabinet Colour (Munsell Code)		Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)	Beige(5Y 7/2)
Refrigerant		R410A	R410A	R410A	R410A	R410A
Flow Control		Capillary	Capillary	Capillary	Capillary	Capillary
Compressor						
Type x Qty		AC Rotary x 1	AC Rotary x 1	AC Rotary x 1	AC Rotary x 1	AC Rotary x 1
Indoor Fan						
Type		DC35V	DC 35V	DC 35V	DC 35V	DC 35V
Air Flow Rate Cooling	m³/min	8.0/6.5/5.0	9.0/7.5/6.0	10.0/8.5/7.0	13.5/12.5/11.3	13.5/12.5/11.3
Air Flow Rate Heating	m³/min	8.0/6.5/5.0	9.0/7.5/6.0	10.0/8.5/7.0	13.5/12.5/11.3	13.5/12.5/11.3
Condenser Fan						
Type		AC 220-240V 24/24	AC 220-240V 24/24	AC 220-240V 27/27	AC 220-240V 36/36	AC 220-240V 36/36
Air Flow Rate Cooling/Heating	m³/min					
Refrigerant Piping				Flair Nut / Flange Connection		
Liquid Line	mm (in)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
Gas Line	mm (in)	9.52 (3/8)	9.52 (3/8)	9.52 (3/8)	12.7 (1/2)	12.7 (1/2)
Pipe Run						
Max Pipe Length	m	10	10	15	15	15
(Chargeless)	m	10	10	15	8*	8*
Individual Pipe Length	m	10	10	15	15	15
Max Pipe Lift	m	5	5	5	10	10
Interconnection wires	pcs	5	5	5	5	5
Starting current	A	22.0	22.0	30.0	45.0	67.0
Recommended Fuse Size	A	10	10	15	45	57
Auto Restart by Previous Mode		Yes	Yes	Yes	Yes	Yes
Auto Changeover		No	No	No	No	No
LED Self Diagnosis		Yes	Yes	Yes	Yes	Yes
Air Purifying Filter Type		SPX-CFH11	SPX-CFH11	SPX-CFH11	SPX-CFH5	SPX-CFH5
Anti-bacterial Tangential Fan		Yes	Yes	Yes	-	-
Remote Control Timer	Hr	24	24	24	24	24

*15g/m or **25 g/m additional charge over 8m

Model	Indoor Outdoor	RAS-07G4 RAC-07G4	RAS-09G4 RAC-09G4	RAS-14G4 RAC-14G4	RAS-18G4 RAC-18G4	RAS-24G4 RAC-24G4
Interconnection wires	pcs	3	3	3	3	3
The Other Features		The same as GH4 models (cooling mode)				



flow

Specifications in this catalogue are subject to change without notice in order that HITACHI may bring the latest innovations to their customers, omitting typing errors.

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