

# Multizone Multi Split systems



	2 Room		3 Room		4 Room	5 Room	6 Room
	RAM-36NP2A	RAM-53NP2A	RAM-53NP3A	RAM-68NP3A	RAM-70NP4A	RAM-90NP5A	RAM-130NP6A
Nominal Cooling Capacity (kW)	3.6 (1.5 - 4.0)	5.3 (1.5 - 6.6)	5.3 (1.5 - 6.6)	6.8 (2.4 - 8.8)	7.0 (2.4 - 8.8)	8.5 (1.5 - 9.5)	12.6 (1.5 - 13.2)
Nominal Heating Capacity (kW)	5.2 (1.5 - 5.5)	6.8 (1.5 - 7.2)	6.8 (1.5 - 7.2)	8.5 (2.8 - 9.5)	8.5 (2.8 - 9.5)	11.0 (1.5 - 11.5)	14.4 (1.5 - 14.4)
Seasonal Efficiency SEER <sup>(1)</sup> (2)	5.13	6.07	6.07	5.78	5.63	6.89	3.1 <sup>(EER)</sup>
Energy Efficiency Class <sup>(2)</sup>	A	A+	A+	A+	A+	A++	B (Energy Label)
Seasonal Efficiency SCOP <sup>(1)</sup> (2) (Average Climate)	3.80	4.01	4.01	4.00	3.80	3.80	3.8 (COP)
Energy Efficiency Class <sup>(2)</sup>	A	A+	A+	A+	A	A	A (Energy Label)
Refrigerant / GWP	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975
Operating Range (Cooling)	-10°C / +43°C	-10°C / +43°C	-10°C / +43°C	-10°C / +43°C	-10°C / +43°C	-10°C / +43°C	-10°C / +43°C
Operating Range (Heating)	-15°C / +21°C	-15°C / +21°C	-15°C / +21°C	-15°C / +21°C	-15°C / +21°C	-15°C / +21°C	-15°C / +21°C
Remote Controller Type	Infra Red or Wired	Infra Red or Wired	Infra Red or Wired	Infra Red or Wired	Infra Red or Wired	Infra Red or Wired	Infra Red or Wired

<sup>(1)</sup> Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01  
<sup>(2)</sup> Selected Models

## Did you know?

Hitachi's Multizone range achieves a system power factor of almost 100%



## Features and Benefits

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

### Wall mounted Shirokuma RAK-QXA

- Capacities from 1.8kW to 6.5kW
- Elegant design complements all interiors
- Low noise levels courtesy of Super Low fan speed
- Nano Titanium air filter for high air quality
- Weekly timer
- High seasonal efficiency.

### 600 x 600 cassette RAI-RPA

- Capacities from 2.5kW to 6.2kW
- Compact 600mm x 600mm design fits standard ceiling module, minimising installation work
- Built-in condensate drain pump
- Weekly timer
- Flexible 2-way, 3-way or 4-way air outlets with auto-oscillation.

### Floor mounted Shirokuma RAF-QXA

- Capacities from 2.5kW to 6.5kW
- Elegant design complements all interiors
- SCOP of 4.14 (A++) and SEER of 6.39 (A+++)  
for exceptional seasonal efficiency (3.5kW model)
- Low noise levels courtesy of Super Low fan speed
- Nano Titanium air filter for high air quality
- Weekly timer.

### Floor mounted Standard RAF-RPA

- Capacities from 2.5kW to 6.0kW
- Low noise levels courtesy of Super Low fan speed
- Wasabi air filter for high air quality
- High seasonal efficiency.

### Ducted In the ceiling RAD-RPA

- Capacities from 1.8kW to 6.0kW
- Built-in condensate drain pump
- Noise levels as low as 20dBA at Super Low speed
- Nano Stainless pre-filter as standard
- Antibacterial Nano Titanium mesh filter.



RAC Multizone



RAM 36NP2A



RAM 53NP2/3A

Outdoor Unit		RAM-36NP2A	RAM-53NP2A	RAM-53NP3A
Nominal Cooling Capacity (min - max)	kW	3.6 (1.5 - 4.0)	5.3 (1.5 - 6.6)	5.3 (1.5 - 6.6)
Nominal Heating Capacity (min - max)	kW	5.2 (1.5 - 5.5)	6.8 (1.5 - 7.2)	6.8 (1.5 - 7.2)
Nominal Cooling Power Input (min - max)	kW	0.97 (0.20 - 1.05)	1.53 (0.20 - 1.66)	1.56 (0.20 - 1.68)
Nominal Heating Power Input (min - max)	kW	1.25 (0.20 - 1.50)	1.79 (0.20 - 2.01)	1.69 (0.20 - 1.86)
Seasonal Efficiency SEER <sup>(3)</sup>		5.13	6.07	6.07
Energy Efficiency Class		A	A+	A+
Annual Energy Consumption	kWh/yr	240	310	310
Seasonal Efficiency SCOP <sup>(3)</sup> (Average Climate)		3.80	4.01	4.01
Energy Efficiency Class		A	A+	A+
Annual Energy Consumption	kWh/yr	1,121	1,750	1,750
Nominal Load Efficiency EER / COP <sup>(4)</sup>		3.71 / 4.16	3.47 / 3.80	3.41 / 4.03
Energy Class (Cool/Heat)		A / A	A / A	A / A
Minimum / Maximum indoor units connectable		2 / 2	2 / 2	2 / 3
Noise Level Cooling (sound pressure) (night mode)	dB(A)	49(43)	52(tbc)	52(tbc)
Noise Level Heating (sound pressure) (night mode)	dB(A)	51(44)	53(tbc)	53(tbc)
Noise level (sound power) <sup>(2)</sup>	dB(A)	65	65	65
Air flow (Cooling / Heating)	m <sup>3</sup> /h	1620 / 1620	2160 / 2160	2160 / 2160
Dimensions (H x W x D)	mm	570x750x280	650x850x298	650x850x298
Weight	kg	40.0	50.0	50.0
Piping Diameter (Liquid / Gas)	Inch	1/4 x 2 / 3/8 x 2	1/4 x 2 / 3/8 x 2	1/4 x 3 / 3/8 x 3
	mm	6.35 x 2 / 9.52 x 2	6.35 x 2 / 9.52 x 2	6.35 x 2 / 9.52 x 2
Minimum Piping Length	m	5	5	5
Maximum Piping Length / Height Difference <sup>(5)</sup>	m	35 / 20	35 / 20	45 / 20
Current Quantity of Refrigerant	kg	1.45	1.65	1.65
Chargeless / Additional Refrigerant Charge	m / g/m	35 / -	35 / -	35 / 20
Power supply		1Phase 220-240V 50/60Hz	220-240V/1ph/ 50/60Hz	220-240V/1ph/ 50/60Hz
Recommended fuse size	A	16	16	16
Starting Current	A	5.8	11.0	11.0
Running Current (Cooling / Heating)	A	4.44 / 3.90	7.00 / 8.20	7.14 / 7.71
Interconnecting Cables	No	2 + E / indoor	2 + E / indoor	2 + E / indoor
Working Range (Cooling / Heating)	°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C
Refrigerant / GWP		R410A / 1975	R410A / 1975	R410A / 1975
Compressor type		Twin Rotary	Twin Rotary	Twin Rotary

<sup>(2)</sup> Sound power level is the A-weighted sound power level [dB(A)] measured at standard rated conditions for the "cooling" mode operation in accordance to EN12102

<sup>(3)</sup> Data calculated in accordance to prEN14825 and the Commission Communication 2012/C 172/01

<sup>(4)</sup> Nominal load efficiency (Cooling 35°C/27°C, Heating 7°C/20°C)

<sup>(5)</sup> For individual and total piping lengths please refer to table on page 29

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RAM 70NP4A



RAM 90NP5A



RAM 130NP6A

RAM-68NP3A	RAM-70NP4A	RAM-90NP5A	RAM-130NP6A
6.8 (2.4 - 8.8)	7.0 (2.4 - 8.8)	8.5 (1.5 - 9.5)	12.6 (1.5 - 13.2)
8.5 (2.8 - 9.5)	8.5 (2.8 - 9.5)	11.0 (1.5 - 11.5)	14.4 (1.5 - 14.4)
2.12 (0.46 - 3.20)	2.11 (0.46 - 3.20)	2.23 (0.20 - 3.85)	4.19 (0.2 - 4.4)
2.28 (0.48 - 3.12)	2.11 (0.48 - 3.12)	2.46 (0.20 - 3.85)	3.8 (0.2 - 4.22)
5.78	5.63	6.89	Outside of ErP Lot 10 Scope
A+	A+	A++	Outside of ErP Lot 10 Scope
412	432	432	Outside of ErP Lot 10 Scope
4.00	3.80	3.80	Outside of ErP Lot 10 Scope
A+	A	A	Outside of ErP Lot 10 Scope
2,108	2,195	2,800	Outside of ErP Lot 10 Scope
3.21 / 3.73	3.32 / 4.03	3.81 / 4.47	3.01 / 3.79
A / A	A / A	A / A	B / A
2 / 3	2 / 4	2 / 5	2 / 3 per ref cycle
53(tbc)	53(tbc)	55(46)	55(48)
56(tbc)	56(tbc)	58(52)	56(48)
65	68	68	68
2700 / 2700	2700 / 2700	3900 / 3900	4320 / 4320
800x850x298	800x850x298	800x950x370	1450x855x308
55.0	55.0	71.0	113.0
1/4 x 3 / 3/8 x 3	1/4 x 4 / [3/8 x 3] + [1/2 x 1]	1/4 x 5 / [3/8 x 4] + [1/2 x 1]	1/4 x 6 / 3/8 x 6
6.35 x 2 / 9.52 x 2	6.35 x 4 / [9.52 x 3] + [12.7 x 1]	6.35 x 5 / [9.52 x 4] + [12.7 x 1]	6.35 x 6 / 9.52 x 6
5	5	5	5
60 / 20	60 / 20	75 / 20	45/45 / 20/20
2.30	2.30	2.70	1.65 / ref cycle
30 / 20	30 / 20	30 / 15	35 / 20
220-240V/1ph/ 50/60Hz	220-240V/1ph/ 50/60Hz	220-240V/1ph/ 50/60Hz	220-240V/1ph/ 50/60Hz
16	30	30	30
10.0	16.0	16.0	20.0
9.73 / 10.50	9.70 / 9.70	10.20 / 11.29	19.20 / 17.40
2 + E / indoor	2 + E / indoor	2 + E / indoor	2 + E / indoor
-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C	-10°C~43°C / -15°C~21°C
R410A / 1975	R410A / 1975	R410A / 1975	R410A / 1975
Twin Rotary	Twin Rotary	Twin Rotary	Twin Rotary



RAC Multizone

Wall Mounted Shirokuma

Indoor Unit		RAK-18QXA	RAK-25QXA	RAK-35QXA	RAK-50QXA
Nominal Cooling capacity (min - max)	kW	1.8 (1.0 - 2.5)	2.5 (1.0 - 3.1)	3.5 (1.0 - 4.0)	5.0 (0.9 - 5.2)
Cooling sensible capacity	kW	1.4	2.1	2.6	3.4
Nominal Heating capacity (min - max)	kW	2.5 (1.1 - 3.1)	3.4 (1.1 - 4.4)	4.2 (1.1 - 5.0)	6.5 (0.9 - 8.1)
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	20/23/26/32	20/26/32/37	22/29/35/39	25/31/39/47
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	20/24/27/33	20/27/33/39	22/30/35/41	25/31/39/48
Noise level (sound power)	dB(A)	54	57	59	59
Air flow cooling mode (SL / L / M / H)	m³/h	180/228/252/396	240/360/420/510	276/336/420/522	288/408/552/690
Air flow heating mode (SL / L / M / H)	m³/h	180/228/252/450	198/318/420/570	264/396/510/618	288/432/570/780
Dehumidification	l/h	1.2	1.4	1.6	2.8
Included drain pump		no	no	no	no
Dimensions (H x W x D)	mm	295x795x198	295x795x198	295x795x198	295x795x198
Weight	kg	9.5	9.5	9.5	9.5
Power supply		35V DC from outdoor unit	35V DC from outdoor unit	35V DC from outdoor unit	35V DC from outdoor unit
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm
Standard remote controller		Infra red	Infra red	Infra red	Infra red
		RAR-5E3	RAR-5E3	RAR-5E3	RAR-5E3

RAK-18QXA can be dip switched to a size 12 (approx 1.2 kW Cooling / 1.8 kW Heating)



600x600 Cassette

Indoor Unit		RAI-25RPA	RAI-35RPA	RAI-50RPA
Nominal Cooling capacity (min - max)	kW	2.5 (0.9 - 3.0)	3.5 (0.9 - 4.0)	5.0 (0.9 - 5.2)
Cooling sensible capacity	kW	2.0	2.9	3.8
Nominal Heating capacity (min - max)	kW	3.5 (0.9 - 5.0)	4.8 (0.9 - 6.6)	6.2 (0.9 - 7.6)
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	25/29/32/35	26/29/34/39	29/32/35/43
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	27/30/33/36	29/32/36/40	30/32/36/43
Noise level (sound power)	dB(A)	50	58	58
Air flow cooling mode (SL / L / M / H)	m³/h	330/348/420/510	330/348/480/648	330/348/480/720
Air flow heating mode (SL / L / M / H)	m³/h	330/348/420/510	330/348/480/648	330/348/480/720
Dehumidification	l/h	1.4	1.8	2.0
Included drain pump		yes	yes	yes
Dimensions (H x W x D)	mm	285x580x580	285x580x580	285x580x580
Panel dimensions (H x W x D)	mm	32x650x650	32x650x650	32x650x650
Weight	kg	20.0	20.0	20.0
Panel weight	kg	4.0	4.0	4.0
Panel reference		RAI-ECPP	RAI-ECPP	RAI-ECPP
Power supply		35V DC from outdoor unit	35V DC from outdoor unit	35V DC from outdoor unit
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Drain diameter (ext)		φ16mm	φ16mm	φ16mm
Standard remote controller		Infra red	Infra red	Infra red
		RAR-5E2	RAR-5E2	RAR-5E2



RAC Multizone



RAF-QXA

RAR-5E4

### Floor Mounted Shirokuma

Indoor Unit		RAF-25QXA	RAF-35QXA	RAF-50QXA
Nominal Cooling capacity (min - max)	kW	2.5 (1.0 - 3.1)	3.5 (1.0 - 4.0)	5.0 (0.9 - 5.2)
Cooling sensible capacity	kW	2.0	2.9	3.8
Nominal Heating capacity (min - max)	kW	3.4 (1.1 - 4.4)	4.2 (1.1 - 5.0)	6.5 (0.9 - 8.1)
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	20-26-31-38	20-26-31-40	22-29-36-44
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	20-26-32-38	20-26-32-39	22-30-36-45
Noise level (sound power)	dB(A)	55	56	59
Air flow cooling mode (SL / L / M / H)	m³/h	270/420/480/570	270/390/510/684	300/450/540/750
Air flow heating mode (SL / L / M / H)	m³/h	300/408/540/630	300/420/540/690	390/480/600/780
Dehumidification	l/h	1.4	1.8	2.0
Included drain pump		no	no	no
Dimensions (H x W x D)	mm	590x750x215	590x750x215	590x750x215
Weight	kg	15.0	15.0	15.0
Power supply		35V DC from outdoor unit	35V DC from outdoor unit	35V DC from outdoor unit
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Drain diameter (ext)		φ16mm	φ16mm	φ16mm
		Infra red	Infra red	Infra red
Standard remote controller		RAR-5E4	RAR-5E4	RAR-5E4



RAF-RPA

RAR-5E2

### Floor Mounted Standard

Indoor Unit		RAF-25RPA	RAF-35RPA	RAF-50RPA
Nominal Cooling capacity (min - max)	kW	2.50 (0.9 - 3.1)	3.50 (1.1 - 4.2)	5.00 (1.9 - 5.2)
Cooling sensible capacity	kW	2.3	2.9	3.8
Nominal Heating capacity (min - max)	kW	3.40 (0.9 - 4.4)	4.20 (1.1 - 5.2)	6.00 (2.2 - 7.3)
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	23/26/32/40	25/29/35/42	25/30/37/46
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	23/27/33/40	26/30/35/42	25/30/37/47
Noise level (sound power)	dB(A)	54	56	60
Air flow cooling mode (SL / L / M / H)	m³/h	378/462/540	400/485/600	430/530/650
Air flow heating mode (SL / L / M / H)	m³/h	408/498/600	440/525/600	470/570/720
Dehumidification	l/h	1.4	1.6	2.0
Included drain pump		no	no	no
Dimensions (H x W x D)	mm	600 x 760 x 235	600 x 760 x 235	600 x 760 x 235
Weight	kg	14.0	14.0	14.0
Power supply		35V DC from outdoor unit	35V DC from outdoor unit	35V DC from outdoor unit
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Drain diameter (ext)		φ16mm	φ16mm	φ16mm
		Infra red	Infra red	Infra red
Standard remote controller		RAR-5E2	RAR-5E2	RAR-5E2



RAD-RPA

RAC Multizone



### Ducted In the Ceiling

Indoor Unit		RAD-18RPA	RAD-25RPA	RAD-35RPA	RAD-50RPA
Nominal Cooling capacity (min - max)	kW	1.8 (0.9 - 2.5)	2.5 (0.9 - 3.0)	3.5 (0.9 - 4.0)	5.0 (0.9 - 5.6)
Cooling sensible capacity	kW	1.3	2.0	2.5	3.8
Nominal Heating capacity (min - max)	kW	2.5 (0.9-3.2)	3.5 (0.9 - 5.5)	4.8 (0.9 - 6.6)	6.0 (0.9 - 7.5)
Noise level cooling (sound pressure) (SL / L / M / H)	dB(A)	29/31/34/36	29/31/34/36	29/31/34/36	29/32/35/38
Noise level heating (sound pressure) (SL / L / M / H)	dB(A)	27/30/33/37	27/30/33/37	27/30/33/37	29/32/35/38
Noise level (sound power)	dB(A)	57	57	57	58
Air flow cooling mode (SL / L / M / H)	m³/h	330/372/438/492	330/390/450/510	330/390/450/510	330/360/450/510
Air flow heating mode (SL / L / M / H)	m³/h	330/372/450/552	360/420/480/600	360/420/480/600	360/420/480/630
Static pressure (SL / L / M / H) (nominal conditions SP 00)	Pa	tbc	tbc	tbc	tbc
Dehumidification	l/h	1.4	1.4	2.1	2.8
Included drain pump		yes	yes	yes	yes
Dimensions (H x W x D)	mm	235x750x400	235x750x400	235x750x400	235x750x400
Weight	kg	19.0	19.0	19.0	19.0
Power supply		35V DC from outdoor	35V DC from outdoor unit	35V DC from outdoor unit	35V DC from outdoor unit
Piping diameter (Liquid / Gas)	Inch	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8	1/4 / 1/2
	mm	6.35 - 9.52	6.35 - 9.52	6.35 - 9.52	6.35 - 12.70
Drain diameter (ext)		φ16mm	φ16mm	φ16mm	φ16mm
		Wired and Wireless available	Wired and Wireless available	Wired and Wireless available	Wired and Wireless available
Remote Controller (not included)					

Pricing does not include a Remote Controller, see table below for wired or wireless remote controllers

### RAC Single Splits and Multizone Controls

Model Code	
SPX-RCKA	Wireless Remote Controller & Receiver Kit - RAD-RPA
SPX-RCDA	Wired Remote Controller - RAD-RPA
SPX-RCDB	Wired Remote Controller - RAK-PPA, RAK-PXA, RAK-QXA, RAI-RPA, RAF-PXA, RAF-QXA, RAF-RPA
PSC-6RAD	H-Link Adapter - RAK-PPA, RAK-PXA, RAK-QXA, RAI-RPA, RAD-RPA, RAF-PXA, RAF-QXA, RAF-RPA



### RAC Multizone Combinations

RAM 36NP2A		RAM 53NP2A	
2 Indoor Units		2 Indoor Units	
No.1	No.2	No.1	No.2
12	12~35	12	12~50
18	18~35	18	18~50
25	25~35	25	25~50
		35	35~50

At least two indoor units must be connected.  
Single unit operation possible.

RAM 53NP3A				
2 Indoor Units		3 Indoor Units		
No.1	No.2	No.1	No.2	No.3
12	12~50	12	12	12~50
18	18~50	12	18	18~50
25	25~50	12	25	25~35
35	35~50	12	35	35
		18	18	18~50
		18	25	25~35
		18	35	35
		25	25	25~35

At least two indoor units must be connected.  
Single unit operation possible.

RAM 68NP3A				
2 Indoor Units		3 Indoor Units		
No.1	No.2	No.1	No.2	No.3
12	12~50	12	12	12~50
18	18~50	12	18	18~50
25	25~50	12	25	25~50
35	35~50	12	35	35~50
50	50	12	50	50
		18	18	18~50
		18	25	25~35
		18	35	35~50
		25	25	25~50
		25	35	35~50
		35	35	35

RAM 70NP4A						
2 Indoor Units		3 Indoor Units			4 Indoor Units	
No.1	No.2	No.1	No.2	No.3	No.1	No.2
12	12~50	12	12	12~50	12	12
18	18~50	12	18	18~50	12	18
25	25~50	12	25	25~50	12	25
35	35~50	12	35	35~50	12	35
50	50	12	50	50	12	50
		18	18	18~50	12	18
		18	25	25~50	12	18
		18	35	35~50	12	25
		25	25	25~50	12	25
		25	35	35~50	18	18
		35	35	35	18	18
					18	25
					18	25
					25	25
					25	25

At least two indoor units must be connected.  
Single unit operation possible.



### RAC Multizone Combinations

RAM 90NP5A													
2 Indoor Units		3 Indoor Units			4 Indoor Units				5 Indoor Units				
No.1	No.2	No.1	No.2	No.3	No.1	No.2	No.3	No.4	No.1	No.2	No.3	No.4	No.5
18	18~50	18	18	18~50	18	18	18	18~50	18	18	18	18	18~50
25	25~50	18	25	25~50	18	18	25	25~50	18	18	18	25	25~50
35	35~50	18	35	35~50	18	18	35	35~50	18	18	18	35	35~50
50	50	18	50	50	18	18	50	50	18	18	18	50	50
		25	25	25~50	18	25	25	25~50	18	18	25	25	25~50
		25	35	35~50	18	25	35	35~50	18	18	25	35	35~50
		25	50	50	18	25	50	50	18	18	35	35	35
		35	35	35~50	18	35	35	35~50	18	25	25	25	25~50
		35	50	50	18	35	50	50	18	25	25	35	35~50
		50	50	50	25	25	25	25~50	18	25	35	35	35
					25	25	50	50	25	25	25	25	25~50
					25	35	35	35~50	25	25	25	35	35
					35	35	35	35~50	25	25	35	35	35
					35	35	35	35~50	25	25	35	35	35
					-	-	-	-	-	-	-	-	-

At least two indoor units must be connected.  
Single unit operation possible.

RAM 130NP6A														
4 Indoor Units				5 Indoor Units					6 Indoor Units					
Circuit 1		Circuit 2		Circuit 1		Circuit 2			Circuit 1			Circuit 2		
No.1	No.2	No.3	No.4	No.1	No.2	No.3	No.4	No.5	No.1	No.2	No.3	No.4	No.5	No.6
18	18~50	18	18~50	18	18~50	18	18	18~50	18	18	18~50	18	18	18~50
18	25~50	18	25~50	18	18~50	18	25	25~35	18	18	18~50	18	25	25~35
18	35~50	35	35~50	18	18~50	18	35	35	18	18	18~50	18	35	35
25	25~50	25	25~50	18	18~50	25	25	25~35	18	18	18~50	25	25	25~35
35	35~50	35	35~50	25	25~50	18	18	18~50	18	25	25~35	18	18	18~50
				25	25~50	18	25	25~35	18	25	25~35	18	25	25~35
				25	25~50	18	35	35	18	25	25~35	18	35	35
				25	25~50	25	25	25~35	18	25	25~35	25	25	25~35
				35	35~50	18	18	18~50	18	35	35	18	18	18~50
				35	35~50	18	25	25~35	18	35	35	18	25	25~35
				35	35~50	18	35	35	18	35	35	18	35	35
				35	35~50	25	25	25~35	18	35	35	25	25	25~35
									25	25	25~35	18	18	18~50
									25	25	25~35	18	25	25~35
									25	25	25~35	18	35	35
									25	25	25~35	25	25	25~35

Minimum of 4 indoor units must be connected.  
Maximum connected capacity must not exceed 176.  
Single unit operation possible.

RAM 130NP6A		
Outdoor Connection Terminal		
	4 I/U's	5 I/U's
No.1	-	-
No.2	18~35	18~35
No.3	18~50	18~50
No.4	-	18~25
No.5	18~35	18~35
No.6	18~50	18~50

### RAC Multizone Pipe Lengths

Model	L TOTAL (m)	L MIN (m)	L MAX (m)	H MAX (m)	H INDOOR (m)
RAM 36NP2A	35	5	25	20	5
RAM 53NP2A	35	5	25	20	5
RAM 53NP3A	45	5	25	20	5
RAM 68NP3A	45	5	25	20	5
RAM 70NP4A	60	5	25	20	5
RAM 90NP5A	75	5	25	20	5
RAM 130NP6A	L1		25		
	L2	45	5	L2 + L3 < 35	20
	L3				
	L4			25	
	L5	45	5	L5 + L6 < 35	20
	L6				

- $L1 + L2 + L3 + L_n = L_{TOTAL}$
- Minimum piping length per indoor = L MIN
- Maximum piping length per indoor = L MAX
- Maximum height difference = H MAX
- Maximum height difference between indoor = H INDOOR