

# Multizone Cassette (600 x 600)

MONO  
MULTI  
ZONE



## 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.

The Multizone range of units are designed to offer elegance and comfort to any application in addition to the following benefits:

- Compact Design**  
 With its compact design the 600mm x 600mm ceiling unit neatly fits inside a standard ceiling module which minimises the installation work
- Low Noise**  
 The noise level is just 25dB(A) due to the 3D twisted-wing design of the compact turbo-fan
- 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
- Highest COP**  
 COP of 4.34 and EER of 4.47
- DC PAM Inverter Technology**  
 Hitachi pioneered 'DC' Inverter PAM driven Air Conditioners and use this technology to drive its compressors and fans
- Air Quality**  
 A washable carbon and anti-bacteria air purifying filter ensures that the micro dust, pollen particles and odours that can collect on filters can be easily removed. The filters can be washed and re-used up to 20 times



RAI-NH5A



RAI-NH5A

- Compatibility**  
 Compatibility between product ranges of outdoor and indoor units
- Cooling Operation Under Low Temperatures**  
 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
- Control Options**  
 Infra red remote controller with 24hr timer, simplified hard wired controller or hard wired remote controller with built in 7-day timer

Compatible with H-LINK Control/Ready to Connect to PCS-6RAD Adapter



RAM-35QH5



RAM-90QH5



RAM-130QH5

Features	RAI-25NH5A	RAI-35NH5A	RAI-50NH5A
Auto Restart by Previous Mode	✓	✓	✓
LED Self Diagnosis	✓	✓	✓
Pre Filter	✓	✓	✓
Air Purifying Filter Type	SPX-CFH5	SPX-CFH5	SPX-CFH5
Built in Condensate Pump	✓	✓	✓
Automatic Swing Louvres	✓	✓	✓
Remote Controller Type	Infra Red (Std) - Simple Wired or Wired inc. 7 Day Timer (Opt)		
Remote Control Timer	24hr or 7 Day option		
H-LINK Compatible	✓	✓	✓

## Multizone – Cassette (600 x 600)

Cassette Indoor Units		RAI-25NH5A	RAI-35NH5A	RAI-50NH5A
Nominal Capacity (kW)	Cooling	2.5	3.5	5.0
	Heating	3.6	4.5	6.7
Indoor Sound Pressure Level dB(A)	Cooling	35/32/29/25	39/34/29/26	43/35/32/29
	Heating	36/33/30/27	40/36/32/29	43/36/32/30
Indoor Fan (m <sup>3</sup> /min)	Cooling	8.5/7.0/5.8/5.5	10.8/8.0/5.8/5.5	12.0/8.0/5.8/5.5
	Heating	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 (mm (in))	Liquid	6.35 (1/4)	6.35 (1/4)	6.35(1/4)
	Gas	9.52 (3/8)	9.52 (3/8)	12.7(1/2)
Indoor Dimensions (mm) & Weight (Kg)	Height	580		
	Width	580		
	Depth	285		
	Grille (mm)	650/650/32		
	Weight	20 (4)	20 (4)	20 (4)

## Multizone – Outdoor Units

Multi Split Outdoor Units		RAM-35QH5*	RAM-52QH5*	RAM-53QH5*	RAM-72QH5	RAM-90QH5	RAM-130QH5	
Nominal (Min~Max) Capacity (kW)	Cooling	3.5 (1.0-3.5)	5.2 (1.5-5.2)	5.2 (1.5-5.2)	7.1(2.4-8.8)	9.0(3.2-9.9)	12.6 (1.50 - 13.20)	
	Heating	4.2 (1.1-4.2)	6.8 (1.5-6.8)	6.8 (1.5-6.8)	8.6(2.6-9.5)	11.0(3.4-12.1)	14.4 (1.50 - 14.40)	
EER/COP		See Combination Tables						
	Energy Label	See Combination Tables						
Sound Pressure Level dB(A) Day (Night Set Back)	Cooling	49(43)	52(45)	52(45)	53(46)	55(46)	55(48)	
	Heating	51(44)	53(45)	53(45)	56(48)	58(52)	56(48)	
Dimensions (mm) & Weight (Kg)	Height	570	650	650	800	800	1450	
	Width	750	850	850	850	950	855	
	Depth	280	298	298	298	370	308	
	Weight	40	50	50	55	71	113	
Operating Range (°C)	Cooling	-10-43						
	Heating	-15-21						
Refrigerant Piping (mm (in))	Liquid	6.35(1/4) x 2	6.35 (1/4) x 2	6.35 (1/4) x 3	6.35 (1/4) x 4	6.35 (1/4) x 5	6.35 (1/4) x 6	
	Gas	9.52(3/8) x 2	9.52 (3/8) x 2	9.52 (3/8) x 3	9.52 x 3 ,12.7 x 1	9.52 x 3 ,12.7 x 2	9.52 (3/8) x 6	
Piping (m)	Indoor	-	-	-	-	-	1, 2, 3	4, 5, 6
	Length	35	35	45	60	75	45	45
	Chargeless	35	35	35	30	30	35	35
	Add. Charge	-	-	20g/m	20g/m	15g/m	20g/m	20g/m
	Indiv. Lgth	25	25	25	25	25	25	25
	Lift	10	10	10	10	10	10	10
Power Supply		AC 1Ph 220-230V 50Hz						
Power to		Outdoor						
Interconnecting Cables	No. / Indoor	3	3	3	3	3	3	
Starting current (A)		10	10	10	16	19	20	
Total Current (230v) (A)	Cooling	5.7	7.6	8.8	9.0	10.8	19.2	
	Heating	6.2	8.9	8.0	9.2	11.3	17.4	
Recommended Fuse Size (A)		16	16	16	30	30	30	

\*New models for 2009. Check availability with Hitachi Sales Offices. Details on specification may change.