

Multizone – Multi Split

Inverter Air Conditioning

The whole home solution when ductwork is a problem



What is a Multizone system?

The Hitachi Multizone system is a split air conditioner that can combine one outdoor unit to multiple indoor units. Multizone provides flexibility in connecting indoor units from various cooling capacities and different types of indoor units depending on the number of rooms, size and shape of the room and your preference. Using external controls, ducted systems can be programmed into different zone areas. You can choose to air condition only the zones you select.

Main key benefits

- Award-winning DC Inverter PAM control and uses R410A refrigerant
- Wide selection of indoor unit types and capacities
- Full compatibility between product ranges of outdoor and indoor units
- Highest COP and low noise
- Cooling available under -10°C and heating under -15°C ambient temperature
- Auto restart by previous mode
- Washable carbon and anti-bacterial air purifying filter
- 24 hour remote control timer



Enjoy the quiet life

The Hitachi Multizone range was the world's first all DC Inverter Multi-split system with zone by zone cooling or heating for up to 6 rooms.

The Hitachi 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.

ENERGY SAVING

SILENT OPERATION

SPACE SAVING

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 employing R410A refrigerant provides a comprehensive selection of DC Inverter PAM Multi-split systems, maintaining full compatibility of indoor units throughout the range.

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

HITACHI
Inspire the Next

temperzone
QUALITY AIR CONDITIONING

SPECIFICATIONS: MULTIZONE SPLIT TYPE AIR CONDITIONING SYSTEMS

MODEL - (Number of connectable indoor units)	RAM-55QHA1 (2)	RAM-65QHA1 (3)
ELECTRICAL Power Supply - Control	220-240V / 1 / 50Hz - DC35V	220-240V / 1 / 50Hz - DC35V
Nominal (Min/Max) COOLING CAPACITY (kW)	5.4 (1.5 - 5.9)	6.3 (1.5 - 6.6)
Nominal (Min/Max) HEATING CAPACITY (kW)	7.2 (1.5 - 7.2)	7.2 (1.5 - 7.2)
Sound Pressure Level (Overall scale)		
Cooling (dBA)	52 / 45	52 / 45
Heating (dBA)	53 / 45	53 / 45
Outer Dimensions (Net/Carton)		
Height (mm)	650 / 698	650 / 698
Width (mm)	850 / 1008	850 / 1008
Depth (mm)	298 / 394	298 / 394
Weight (Kg)	50 / 55	50 / 55
Compressor		
Type /Quantity	DC Twin Rotary / 1	DC Twin Rotary / 1
Outdoor Temperature Range		
Cooling	-10 - +43	-10 - +43
Heating	-15 - +21	-15 - +21
Refrigerant & Installation Piping		
Refrigerant Type / Flow Control	R410A / Expansion Valve	R410A / Expansion Valve
Pipe Connection Sizes: Liquid (mm) (in)	6.35 / (1/4) x 2	6.35 / (1/4) x 3
Pipe Connection Sizes: Gas (mm) (in)	9.52 / (3/8) x 2	9.52 / (3/8) x 3
Pipe Run		
Max Pipe Length (m)	35	45
Max Chargeless Length (m)	35	35
Additional Charges (g/m)	-	20
Individual Pipe Length (m)	25	25
Max Pipe Lift (m)	10	10
Starting Current (A)	10	10
Recommended Fuse Size	16	16
Interconnection Wires (PCS)	3	3
Led Self Diagnosis	Yes	Yes

MODEL - (Number of connectable indoor units)	RAM-72QHA1 (4)	RAM-90QHA1 (5)	RAM-130QHA1 (6)
ELECTRICAL Power Supply - Control	220-240V / 1 / 50Hz - DC35V	220-240V / 1 / 50Hz - DC35V	220-240V / 1 / 50Hz - DC35V x 2
Nominal (Min/Max) COOLING CAPACITY (kW)	7.1 (2.4 - 8.8)	9.0 (3.2 - 9.9)	12.6 (1.5 - 13.2)
Nominal (Min/Max) HEATING CAPACITY (kW)	8.6 (2.6 - 9.5)	11.0 (3.4 - 12.1)	14.4 (1.5 - 14.4)
Sound Pressure Level (Overall scale)			
Cooling (dBA)	53 / 46	55 / 46	55 / 48
Heating (dBA)	56 / 48	58 / 52	56 / 48
Outer Dimensions (Net/Carton)			
Height (mm)	800 / 848	800 / 867	1450 / 1590
Width (mm)	850 / 1008	950 / 1073	855 / 1070
Depth (mm)	298 / 394	370 / 510	308 / 450
Weight (Kg)	55 / 60	71 / 78	113 / 130
Compressor			
Type /Quantity	DC Twin Rotary / 1	DC Twin Rotary / 1	DC Twin Rotary / 2
Outdoor Temperature Range			
Cooling	-10 - +43	-10 - +43	-10 - +43
Heating	-15 - +21	-15 - +21	-15 - +21
Refrigerant & Installation Piping			
Refrigerant Type / Flow Control	R410A / Expansion Valve	R410A / Expansion Valve	R410A / Expansion Valve
Pipe Connection Sizes: Liquid (mm) (in)	6.35 / (1/4) x 4	6.35 / (1/4) x 5	6.35 / (1/4) x 6
Pipe Connection Sizes: Gas (mm) (in)	9.52 / (3/8) x 3	9.52 / (3/8) x 3	9.52 / (3/8) x 36
	12.7 / (1/2) x 1	12.7 / (1/2) x 2	
Pipe Run			
Max Pipe Length (m)	50	75	Indoor 1,2,3 45
Max Chargeless Length (m)	30	30	Indoor 4,5,6 35
Additional Charges (g/m)	20	25	20
Individual Pipe Length (m)	25	25	25
Max Pipe Lift (m)	10	10	10
Starting Current (A)	16	17	20
Recommended Fuse Size	30	30	30
Interconnection Wires (PCS)	3	3	3
Led Self Diagnosis	Yes	Yes	Yes

INDOOR UNIT RANGE	Capacity Range kW	1.8	2.5	3.5	5.0	6.0	7.0
	Wall Mounted (RAK MODELS)	●	●	●	●	●	●
	4-Way Cassette (RAI MODELS)		●	●	●		
	In-the-Ceiling (RAD MODELS)	●	●	●	●		

Please refer to combination tables for more details

DEALER DETAILS

RATINGS AT THE FOLLOWING CONDITIONS. Cooling, Indoor: Rated at 27°C DB/19.0°C WB entering air. Ambient: Rated at 7°C DB/ 6°C WB. Piping Length: 7.5m. Piping Lift: 0m. Sound pressure level measurement distance: RAK: 1m from discharge grille / 0.8 beneath the unit's height centre. RAI/RAD: 1.4m from beneath the unit. RAM: 1m from suction/discharge grille / Approx 1m from floor level. Features may vary by model. Please check specifications table. Materials and specifications are subject to change without notice due to the manufacturer's ongoing research and development program. It remains the contractor's responsibility to determine that the power supply is in accordance with the above specifications and all local electrical codes and authorities.