

# Monozone In the Ceiling

MONO  
MULTI ZONE



## Features and Benefits

Hitachi's Monozone In the Ceiling ducted units are available with heating and cooling capacities from 2.5kW to 4.8kW and offer the following benefits:

- High COP and EER**  
 COP of 3.61 and EER of 3.60
- Compact Design**  
 The units are only 750mm high and 235mm in depth
- Low Noise**  
 Levels as low as 27dB(A)
- DC PAM Inverter Technology**  
 Hitachi pioneered 'DC' Inverter PAM driven Room Air Conditioners and use this technology to drive its compressors and fans
- Built-in Drain Pump**  
 The units are equipped with an automatic internal drain pump, which removes the accumulated condensation from the drain pan. An electronic sensor monitors the water level activating the pump only when necessary
- Air Intake Direction**  
 Air intake direction can be horizontal or vertical by interchanging the bottom panel with the fan cover
- Safety and Efficiency**  
 35vdc power supply to the indoor unit
- Standard Controller**  
 24-hour infra red remote controller/newly-developed wired remote controller with built in 12-hour timer
- Control Options**  
 Optional simplified or 7-day hard wired remote controller  
 Compatible with H-LINK Control/Ready to Connect to PCS-6RAD Adapter



RAC-NH5



RAD-NH7A



PM RAD 18 NH7

System Features	RAD-25NH7A	RAD-35NH7A
Auto Restart by Previous Mode	✓	✓
Auto Changeover	✓	✓
LED Self Diagnosis	✓	✓
Normal Pre Filter	✓	✓
Built in Condensate Pump	✓	✓
Selectable Return Air Inlet (Rear / Bottom)	✓	✓
Remote Controller Type	Simple Wired (Std) - Wired inc. 7 Day Timer or Infra Red (Option)	
Remote Control Timer	24hr or 7 Day option	
H-LINK Compatible	✓	✓

## In the Ceiling Indoor Units

		RAD-25NH7A	RAD-35NH7A
Nominal Capacity (Min ~ Max) (kW)	Cooling	2.5(0.9-3.0)	3.5(0.9-4.0)
	Heating	3.5(0.9-5.0)	4.8(0.9-6.6)
UK Cooling Capacity (kW)	Total	2.3	3.2
	Sensible	1.8	2.2
EER/COP	Cooling	3.60	2.82
	Heating	3.61	2.82
Energy Label	Cooling	A	C
	Heating	A	D
Indoor Sound Pressure Level (Overall Scale) dB(A)	Cooling	36/34/31/29	36/34/31/29
	Heating	37/33/30/27	37/33/30/27
Indoor Fan (m <sup>3</sup> /min)	Cooling	8.2/7.3/6.2/5.5	8.5/7.6/6.2/5.5
	Heating	9.2/7.5/6.2/5.5	9.3/7.6/6.2/5.5
Static Pressure (Pa)		Std 30 (low 25, High 35)	
Dimensions (mm) & Weight (Kg)	Height	750	
	Width	400	
	Depth	235	
	Weight	19	

## Outdoor Units

		RAC-25NH5	RAC-35NH5
Outdoor Sound Pressure Level dB(A)	Cooling	46	47
	Heating	46	49
Dimensions (mm) & Weight (Kg)	Height	570	
	Width	750	
	Depth	280	
	Weight	38	
Operating Range (°C)	Cooling	-10 ~ +43	
	Heating	-15 ~ +21	
Refrigerant Piping (mm (in))	Liquid	6.35 (1/4)	6.35 (1/4)
	Gas	9.52 (3/8)	9.52 (3/8)
Piping (m)	Length	20	
	Chargeless	20	
	Lift	10	
Power Supply		230V 1 ph 50Hz	
Power to		Outdoor	
Interconnecting Cables	No.	3	3
Starting Current (A)		4.2	6.1
Total Current (230v) (A)	Cooling	3.05	5.45
	Heating	4.26	7.47
Recommended Fuse Size (A)		16	16