

# Monoduct In the Ceiling



## Features and Benefits

Hitachi's Monoduct In the Ceiling ducted units are available with heating and cooling capacities from 5.0kW to 8.0kW and offer the following benefits

- High COP and EER**  
 COP of 3.77 and EER of 3.57
- Low Noise**  
 Noise levels as low as 28dB(A)
- DC Inverter PAM Control**  
 Hitachi pioneered 'DC' Inverter PAM driven Room Air Conditioners and use this technology to drive its compressors and fans
- Air Intake Direction**  
 Air intake direction can be horizontal or vertical by interchanging the bottom panel with the fan cover
- 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
- Standard Controller**  
 Newly-developed hard wired remote controller with built in 12-hour timer
- Control Options**  
 Optional infra red remote control (additional infra red receiver required) or hard wired remote controller with built in 7-day timer  
  
 Compatible with H-LINK Control/Ready to Connect to PCS-6RAD Adapter



RAC DH7



RAD DH7A



PM RAD 18 NH7

System Features	RAD-50DH7A	RAD-60DH7A	RAS-70DH7A
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-50DH7A	RAD-60DH7A	RAS-70DH7A
Nominal Capacity (Min ~ Max) (kW)	Cooling	5.0(0.9-6.0)	6.0(0.9-7.0)	7.1(0.9-8.0)
	Heating	6.0(0.9-7.0)	7.3(0.9-8.0)	8.0(0.9-9.0)
UK Cooling Capacity (kW)	Total	4.8	5.5	6.8
	Sensible	3.8	3.9	4.8
EER/COP	Cooling	3.57	3.21	2.81
	Heating	3.77	3.43	3.42
Energy Label	Cooling	A	A	C
	Heating	A	B	B
Indoor Sound Pressure Level (Overall Scale) dB(A)	Cooling	34/32/30/28	34/32/30/28	36/32/30/28
	Heating	35/33/31/29	35/33/31/29	36/33/31/29
Indoor Fan (m³/min)	Cooling	15/13/11/10.3	15/13/11/10.3	16/13/11/10.3
	Heating	15/13/11/10.3	15/13/11/10.3	16/13/11/10.3
Static Pressure (Pa)		Std 50 (low 30, High 80)		
Dimensions (mm) & Weight (Kg)	Height	900		
	Width	720		
	Depth	270		
	Weight	35		

## Outdoor Units

		RAC-50DH7	RAC-60DH7	RAC-70DH7
Outdoor Sound Pressure Level dB(A)	Cooling	47	48	53
	Heating	50	51	55
Dimensions (mm) & Weight (Kg)	Height	800		
	Width	850		
	Depth	298		
	Weight	55		
Operating Range (°C)	Cooling	-10 ~ +43		
	Heating	-15 ~ +21		
Refrigerant Piping (mm (in))	Liquid	6.35 (1/4)	6.35 (1/4)	6.35 (1/4)
	Gas	12.7 (1/2)	12.7 (1/2)	15.88 (5/8)
Piping (m)	Length	30		
	Chargeless	30		
	Lift	20		
Power Supply		230V 1 ph 50Hz		
Power to		Outdoor		
Interconnecting Cables	No.	5	5	5
Starting Current (A)		10	10	10
Total Current (230v) (A)	Cooling	6.15	8.21	11.10
	Heating	6.98	9.35	10.27
Recommended Fuse Size (A)		20	20	20

