

DC Inverter Cassette

Packaged Air Conditioning Systems

Designed for installation flexibility



The Hitachi DC Inverter Utopia range of air conditioners offer superior filtration, distributing clean air more effectively and quietly, maximising extra airflow and greater capacity to ensure even the largest room is catered for.

Our components are stringently tested to match Hitachi's quality policy, ensuring flawless operation year after year.



Reliable and built to last.

All models feature: strong, durable, ruggedly built casings, heavy-gauge, aluminium heat exchanger coils, copper tubing and brass fittings. All models are robustly constructed and utilise direct drive fan assemblies with lubricated bearings for extended motor life.

Versatile adjustable design

This discreet unit is designed with flexibility in mind, featuring compact dimensions that require a smaller ceiling cut than conventional models and allow it to be installed in small spaces inside false ceilings. It is also great for high ceilings up to 4.2m and makes height and body direction adjustments simplicity itself.

Peace and quiet

The beauty of Hitachi's DC Inverter systems is the quiet operation that can be attributed to innovative noise reduction technology. The 4-way vents deliver cool or warm air to maintain a constant temperature. The result is a hard working efficient system that is amongst the quietest on the market.

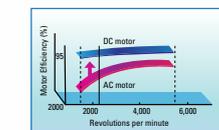
Intelligent controls

Hitachi style flows through to the sleek, LCD wall-mounted controls which reflect the sophistication of the DC Inverter systems. The intelligent Check Mode analyses the system's diagnostic functions for quick, efficient servicing.

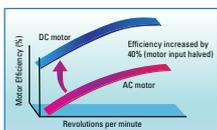


Multiple control options include, wired wall mounted, infrared remote, 7 day timer, central station and network controllers.

* Five Year Warranty: Terms and conditions apply



DC Compressor - Advantage



DC Fan Motor - Advantage



Effective 4-way air flow

Air is delivered quietly and efficiently in all four directions with an optional automatic swing louvre and specially designed super-high-stream turbo fan.

The wide, stain-resistant louvre prevents smudging and stains on the ceiling - dirt and dust can be easily wiped off.

Effective condensation removal.

An electronic sensor constantly monitors the water level in the cassette unit, then activates an in-built pump to reliably and safely remove the water generated from condensation build up. Fresh air and supply air kits are also available.

SPECIFICATIONS: UTOPIA - DC INVERTER UNITS. HVRNM SERIES CASSETTE UNITS

Model: Indoor Unit Model: Outdoor Unit	RCI-3.0FSN3 RAS-3HVRNM2	RCI-4.0FSN3 RAS-4HVRNM2	RCI-5.0FSN3 RAS-5HVRNM2
Capacity			
Cooling Capacity (kW)	7.1	10.0	12.5
Cooling Range (kW)	3.2 - 8.0	4.5 - 11.2	5.7 - 14.0
Heating Capacity (kW)	8.0	11.2	14.0
Heating Range (kW)	3.5 - 10.6	5.0 - 14.0	5.0 - 18.0
Electrical			
Communication Interconnecting Wires	Twist-Pair Cable with Shield, over 0.75mm ²		
Max Current (Amps)	23	32	32
Efficiency			
Power Consumption kW (Cooling)	2.04	2.29	3.37
Power Consumption kW (Heating)	1.93	2.18	3.08
AEER Cooling / ACOP Heating	3.61 / 4.29	4.01 / 4.70	3.51 / 4.27
Airflow			
Fan Speeds	4	4	4
Air Flow (L/s) (Hi2 / Hi / Med / Low)	450 / 383 / 300 / 233	617 / 517 / 400 / 333	617 / 550 / 433 / 350
Dimensions & Weights			
Dimensions IU (H x W x D mm)	298 x 840 x 840	298 x 840 x 840	298 x 840 x 840
Dimensions OU (H x W x D mm)	800 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370
Weight IU / OU (Kg)	26 / 66	26 / 103	26 / 103
Noise Levels			
Sound Pressure Level IU dB(A) Hi2 / Hi / Med / Low	42 / 36 / 32 / 28	48 / 43 / 39 / 33	48 / 45 / 40 / 35
Sound Pressure Level OU dB(A) Cool / Heat / Night	45 / 47 / 41	47 / 49 / 43	48 / 50 / 44
Installation			
Pipe Connection Sizes: Gas / Liquid (mm)	15.88 / 9.52	15.88 / 9.52	15.88 / 9.52
Refrigerant Pipe Charge Length (Mtrs)	30	30	30
Max Pipe Length (Mtrs)	50	75	75
Max Pipe Lift (Mtrs) (OU higher / OU lower)	30 / 20	30 / 20	30 / 20
Working Range			
Outdoor Operating Temp (Cooling) °C DB	-5 ~ +46	-5 ~ +46	-5 ~ +46
Outdoor Operating Temp (Heating) °C WB	-20 ~ +15	-20 ~ +15	-20 ~ +15

Combination Table

Outdoor Unit Model	Twin Heads	Triple Heads	Quadruple Heads
RAS-3HVRNM2	RCI-1.5FSN3 x 2		
RAS-4HVRNM2	RCI-2.0FSN3 x 2	RCI-1.5FSN3 x 3	RCI-1.0FSN3 x 4
RAS-5HVRNM2	RCI-2.5FSN3 x 2	RCI-1.5FSN3 x 3	RCI-1.0FSN3 x 4
RAS-6HVRNM2	RCI-3.0FSN3 x 2	RCI-2.0FSN3 x 3	RCI-1.5FSN3 x 4

DEALER DETAILS

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Sydney: (02) 8822 5700
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 Townsville: (07) 4773 9566

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NOTES: 1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

Cooling Operation Conditions

Indoor Air Inlet Temperature : 27°C DB (80°F DB) 19.0°C WB (66.2°F WB)
 Outdoor Air Inlet Temperature : 35°C DB (95°F DB)

Heating Operation Conditions

Indoor Air Inlet Temperature : 20°C DB (68°F DB)
 Outdoor Air Inlet Temperature : 7°C DB (45°F DB) 6°C WB (43°F WB)
 Published capacities based on Piping Length: 7.5 Metres.

2. The sound pressure level is based on following conditions.

Indoor Units: 1.5 Metres beneath the unit.

Outdoor Units: 1 Metre from the unit service cover surface, and 1.5 Metres from floor level.

Voltage of the power source for the indoor fan motor is 220V.

The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.