

DC Inverter Ducted Packaged Air Conditioning Systems

It's more than air conditioning, it's a way of life

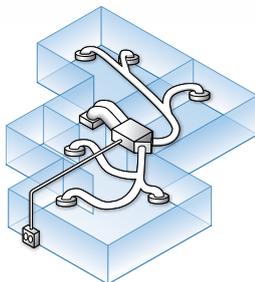


The Hitachi's DC Inverter Utopia range of air conditioners distribute clean air more efficiently and quietly to ensure maximum room comfort.

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

Zoning

Using external controls ducted systems can be programmed into different zone areas. You can choose to condition only the zones you select.



Peace and quiet

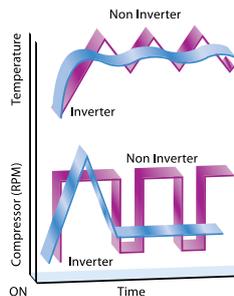
The beauty of Hitachi's DC Inverter systems is their quiet operation. The innovative, noise-reduction technology offers low operating sound levels, low vibration and more important – reliability.

Subtle outlet vents deliver cool or warm air, ducted throughout your home to maintain a constant temperature. The indoor unit can be easily installed out of sight, in the ceiling or under the floor, resulting in a hard working efficient system that is amongst the quietest on the market.

Power saving DC Inverter

Inverter technology allows a room to reach the required temperature more rapidly and up to 30% more efficiently.

It also eliminates the frequent stopping and starting often required by standard systems in order to maintain consistent temperature conditions.



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.

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.



* Five Year Warranty: Terms and conditions apply

HITACHI
Inspire the Next

temperzone
QUALITY AIR CONDITIONING

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

Model: Indoor Unit	RPI-3.0FSN1SQ	RPI-4.0FSN1SQ	RPI-5.0FSN1SQ	RPI-6.0FSN1SQ	RPI-7.0FSN1SQ
Model: Outdoor Unit	RAS-3HVRNM2	RAS-4HVRNM2	RAS-5HVRNM2	RAS-6HVRNM2	RAS-7HVRNM2
Capacity					
Cooling Capacity (kW)	7.1	10.0	12.5	14.0	16.0
Range (kW)	3.2 - 8.0	4.5 - 11.2	5.7 - 14.0	6.0 - 16.0	6.0 - 18.0
Heating Capacity (kW)	8.0	11.2	14.0	16.0	18.0
Range (kW)	3.5 - 10.6	5.0 - 14.0	5.0 - 18.0	5.0 - 20.0	5.0 - 20.0
Electrical					
Communication Interconnecting Wires	Twist-Pair Cable with Shield, over 0.75mm ²				
Max Current (Amps)	23	32	32	32	32
Efficiency					
Power Consumption kW (Cooling)	2.04	2.51	3.65	4.20	4.76
Power Consumption kW (Heating)	1.93	2.25	3.05	3.83	4.28
AEER Cooling / ACOP Heating	3.17 / 3.76	3.69 / 4.66	3.25 / 4.31	3.18 / 4.15	3.20 / 4.02
Airflow					
Fan Speeds	3	3	3	3	3
Ex Static Range (pa)	120	120	120	120	140
Air Flow (L/s) Hi / Med / Low	483 / 433 / 333	600 / 550 / 416	783 / 716 / 566	933 / 833 / 666	1083 / 950 / 766
Dimensions & Weights					
Dimensions IU (H x W x D mm)	350 x 1076 x 800	350 x 1076 x 800	350 x 1300 x 800	350 x 1300 x 800	440 x 1430 x 550
Dimensions OU (H x W x D mm)	800 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370	1380 x 950 x 370
Weight IU / OU (Kg)	52 / 66	57 / 103	61 / 103	63 / 103	75 / 104
Noise Levels					
Sound Pressure Level IU dB(A) Hi / Med / Low	46 / 44 / 40	48 / 45 / 41	49 / 46 / 43	53 / 49 / 45	51 / 47 / 42
Sound Pressure Level OU dB(A) Cool / Heat / Night	45 / 47 / 41	47 / 49 / 43	48 / 50 / 44	49 / 51 / 46	49 / 53 / 46
Installation					
Pipe Connection Sizes: Gas / Liquid (mm)	15.88 / 9.52	15.88 / 9.52	15.88 / 9.52	15.88 / 9.52	15.88 / 9.52
Refrigerant Pipe Charge Length (Mtrs)	30	30	30	30	30
Max Pipe Length (Mtrs)	50	75	75	75	75
Max Pipe Lift (Mtrs)	30 / 20	30 / 20	30 / 20	30 / 20	30 / 20
Working Range					
Outdoor Operating Temp (Cooling) OC DB	-5 ~ +46	-5 ~ +46	-5 ~ +46	-5 ~ +46	-5 ~ +46
Outdoor Operating Temp (Heating) OC WB	-20 ~ +15	-20 ~ +15	-20 ~ +15	-20 ~ +15	-20 ~ +15

Combination Table

Outdoor Unit Model	Twin Heads	Triple Heads	Quadruple Heads
RAS-3HVRNM2	RPI-1.5FSN2 x 2		
RAS-4HVRNM2	RPI-2.0FSN2 x 2	RPI-1.5FSN2 x 3	RPI-1.0FSN2 x 4
RAS-5HVRNM2	RPI-2.5FSN2 x 2	RPI-1.5FSN2 x 3	RPI-1.0FSN2 x 4
RAS-6HVRNM2	RPI-3.0FSN2 x 2	RPI-2.0FSN2 x 3	RPI-1.5FSN2 x 4

DEALER DETAILS

temperzone australia Pty Ltd

Sydney: (02) 8822 5700
 Adelaide: (08) 8340 0607
 Newcastle: (02) 4962 1155
 Melbourne: (03) 8769 7600

Brisbane: (07) 3308 8333
 Tasmania: (03) 6331 4209
 Perth: (08) 9314 3844
 Townsville: (07) 4773 9566

www.temperzone.com.au

www.hitachiircon.com.au

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 with discharge duct (2.0m) and return duct (1.0M)

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. In case of the power source of 240V, the sound pressure level increases by about 1 or 2dB. The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.