

Inverter Ducted Air Conditioning

HITACHI
Inspire the Next



Create
the
Perfect Environment

Experience the Hitachi difference today

making the complex simple.

There's a whisper quiet, energy efficient Hitachi air conditioning system to suit your home, your lifestyle and your budget.

The best time to consider your air conditioning needs is before your commence building. Whether you are planning a new home or upgrading the comfort of an existing one, your dealer will start by ensuring you are investing in the right system for the size and style of your home. Sometimes, ducting isn't possible in all or part of your home. Don't worry if that's the case – Hitachi has a solution for you!

Also, be prepared to accept your Hitachi dealer's advice about the right size unit for your home. Select a unit that's too small and it will be overworked trying to keep your home at the comfort level you've selected. Choose a unit that's too large, and you'll be wasting electricity!

But it's not just the size of the unit that will determine energy efficiency. Before you install an air conditioning system, you should make sure your insulation is as good as it can be. A correctly insulated home will significantly reduce both the heating and cooling load on your home. Which

from single story ...



to multi story homes
we've got your solution.

will save you money in the long run – not only in running costs, but also in purchase cost as a smaller unit may suffice.

Selecting the right location for your ducting for optimum efficiency is critically important if you are to make the most of your Hitachi air conditioning, and again, your dealer will offer expert advice.

The vents are air conditioning's only visual presence inside your home. Which style of vents will best match your home's style? Your Hitachi dealer can offer you a selection of ceiling vent styles, so one is sure to integrate with your home's interior design.

Another important decision is where to place the outdoor unit. It must not only deliver optimum efficiency but also be unobtrusive, in terms of noise and aesthetics.

Rest assured your Hitachi dealer has the knowledge and the experience to make what may seem to be complex decisions as simple as possible.

The major benefits of ducted air conditioning are:

Whole of home solution

Heating or cooling wherever you need it.

Easy control

Central temperature and zone control with set and forget timers.

Zones

Separate air conditioned zones give flexibility and economy.

Even air distribution

No hot or cold spots in your home.

Comprehensive range

The variety of choice within the Hitachi range means there is a solution for every size and style of home – even when ductwork is a problem.

Aesthetics

With only the ceiling or floor-mounted grills visible inside your home, ducted systems do not intrude into the overall look of your rooms.

Noise

With all the noise producing equipment in the ceiling, under the floor or outside, ducted air conditioning is the quietest of all air conditioning options.

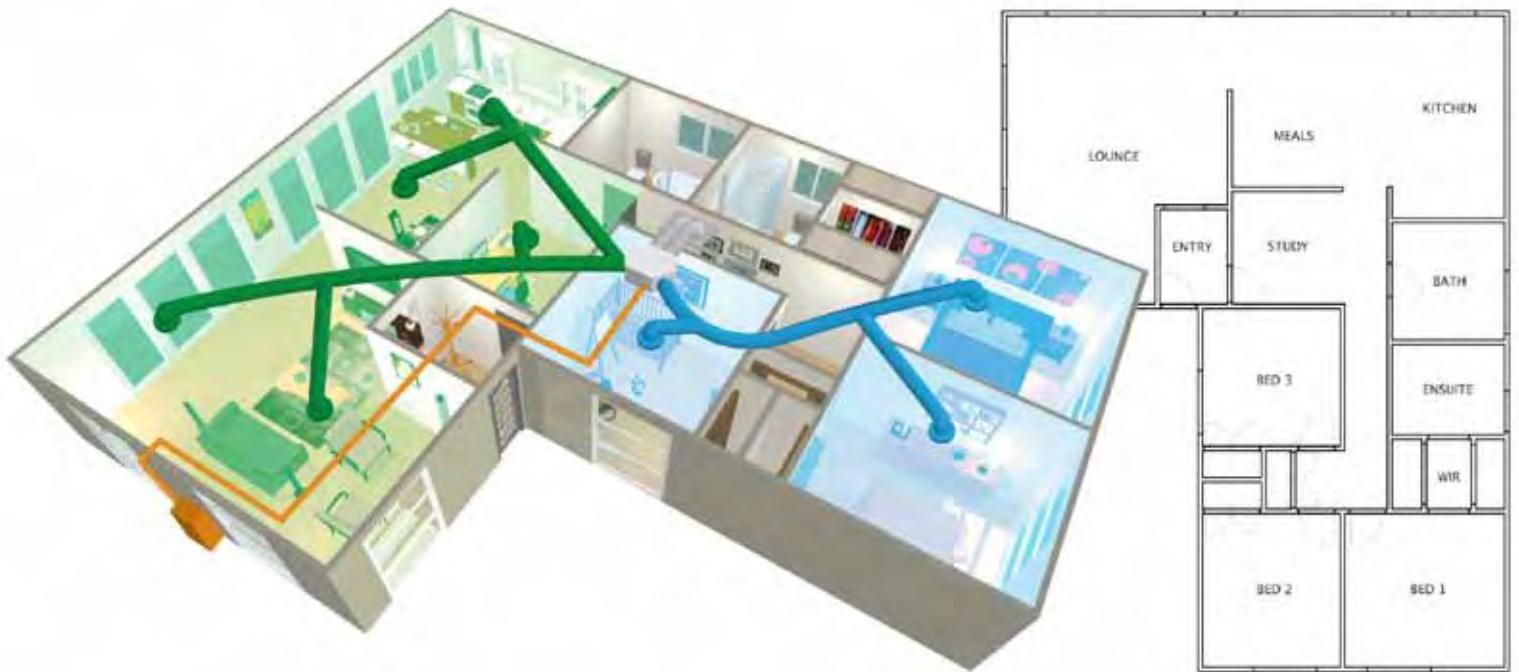
Value

In most houses it is cheaper to install ducted air conditioning than to install wall split systems in every room. Adding ducted air conditioning also adds to the overall resale value of your home.



Create the
Perfect Environment





The Hitachi DC Inverter Ducted Range 7.1kW - 16kW

Climate control for your whole home

Hitachi's DC Inverter range of air conditioners distributes clean air more efficiently and quietly to ensure maximum room comfort – when you want it, where you want it. With Hitachi, you can choose to heat or cool only the zones you select using external controls – it's so easy.

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

Hitachi air conditioning is built to last, with strong, durable, ruggedly built casings; heavy-gauge, aluminium heat exchanger coils; copper tubing and brass fittings. They're robustly constructed and utilise direct drive fan assemblies with lubricated bearings for extended motor life.

Economic and efficient

The energy efficiency of air conditioning units is improving all the time, and Hitachi is at the forefront of new technology. The Australian Government sets MEPS standards for air conditioning which set benchmarks for efficiency – and all Hitachi units exceed the government standards.

Key Features

- Easy to use controller.
- Long lasting with outdoor coil anti corrosion treatment.

Intelligent controls



Hitachi style flows through to the sleek, LCD wall-mounted controls. 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.

Power saving DC Inverter

Running costs have never been more important. Hitachi's 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 required by standard systems in order to maintain consistent temperature conditions.

Powerful and effective

The large condenser coils in Hitachi's outdoor unit gives premium performance if you live in an area where the outside temperatures can be very high or very low – or both.



Checklist

Model	RPI-3.0FSNSQ RAS-3HVRNM2	RPI-4.0FSNSQ RAS-4HVRNM2	RPI-5.0FSNSQ RAS-5HVRNM2	RPI-6.0FSNSQ RAS-6HVRNM2	RPI-7.0FSNSQ RAS-7HVRNM2
- Indoor Unit					
- Outdoor Unit					
Capacity					
- Cooling (kW)	7.1	10.0	12.5	14.0	16.0
- Heating (kW)	8.0	11.2	14.0	16.0	18.0
Energy Efficiency					
- AEER Cooling	3.17	3.69	3.25	3.18	3.20
- ACOP Heating	3.76	4.66	4.31	4.15	4.02
Noise Levels					
- Indoor Unit (dB)	46 / 44 / 40	48 / 45 / 41	49 / 46 / 43	53 / 49 / 45	51 / 47 / 42
<i>High / Med / Low</i>					
- Outdoor Unit (dB)	45 / 47 / 41	47 / 49 / 43	48 / 50 / 44	49 / 51 / 46	49 / 53 / 46
<i>Cooling / Heating</i>					
Dimensions					
- Indoor (H x W x D mm)	350 / 1076 / 800	350 / 1076 / 800	350 / 1300 / 800	350 / 1300 / 800	440 / 1430 / 550
- Outdoor (H x W x D mm)	800 / 950 / 370	1380 / 950 / 370	1380 / 950 / 370	1380 / 950 / 370	1380 / 950 / 370
- Weights IU / OU (kg)	52 / 66	57 / 103	61 / 103	63 / 103	75 / 104
Air Flow					
(L/s) High / Med / Low	483 / 433 / 333	600 / 550 / 416	783 / 716 / 566	933 / 833 / 666	1083 / 950 / 766



Indoor Unit



Outdoor Units

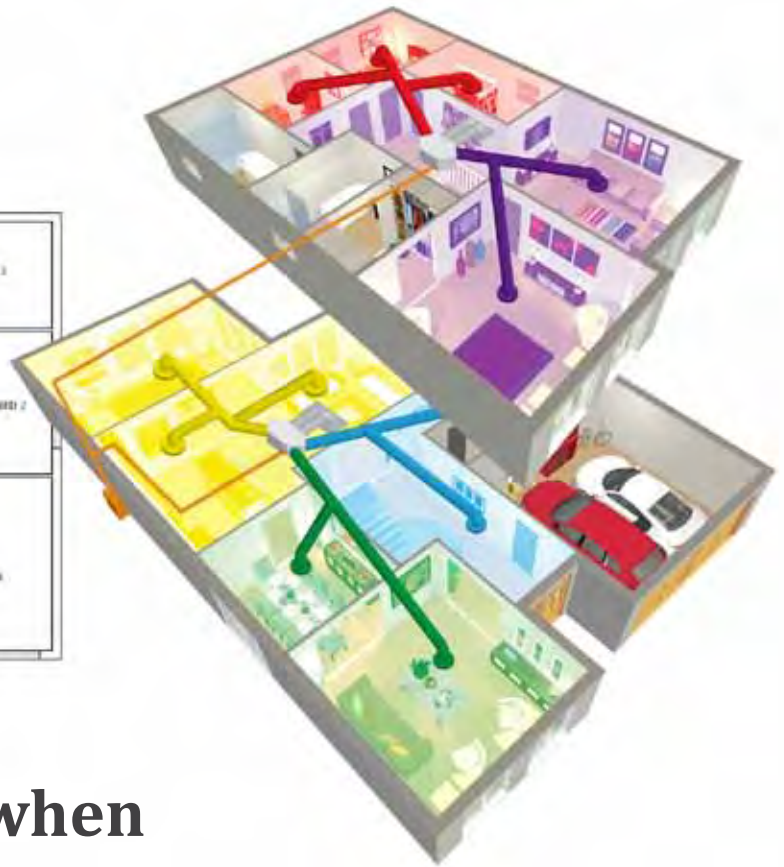
Note: Rated capacity is measured in accordance with AS/NZ3823



GROUND FLOOR



FIRST FLOOR



The whole solution when only the best will do

Multi Split System applications

Hitachi Inverter Multi Split Systems have evolved from top end commercial air conditioning technology and deliver a premium climate control solution for discerning homeowners.

It's a clever solution that uses a single, large outdoor unit linked to a number of indoor units, which can be operated independently of each other, and at different temperatures.

The result is not only greater flexibility and control, but also potential energy savings because unused zones can be isolated.

The indoor units used will depend on the space available and can include ducted, floor, wall or cassette units. So if part of your home features cathedral or concrete ceilings where ducting is impossible, premium air conditioning is still available.

For flexibility and ultimate control, talk to your Hitachi dealer about the advantage of Multi Split Systems.

Control your perfect environment



Hitachi style flows through to the sleek, LCD wall-mounted controls. 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.

Low noise levels

All Hitachi air conditioning systems offer low operating noise levels both inside and out, ensuring you and your neighbours can live in peace and quiet.

Environmental benefits

Control the climate in your home. Capacity control and zoning equals lower running costs.

System Configuration Example

Twin/Triple - Individual operation for two to three units



Line Up

		8.0kW	11.2kW	14.0kW	16.0kW	20.0kW	25.0kW	30.0kW
OUTDOOR UNIT		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
INDOOR UNIT	 4-Way Cassette RCI-FSN3		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	 4-Way Mini Cassette RCIM-FSN2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
	 2-Way Cassette RCD-FSN2			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	 In-the-ceiling RPI-FSN2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	 Ceiling RPC-FSN2				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	 Wall RPK-FSN2M2		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DC Inverter Cassette units

As part of your Hitachi Multi solution, your dealer may recommend Inverter Cassette interior units. These units offer superior filtration, distributing clean air more effectively and quietly, maximising extra airflow through 4-way vents, which keep even the largest room comfort controlled.

Inverter cassette units also deliver superior condensation control and, because they require a smaller ceiling cut than conventional models, allow easy installation in small spaces inside false ceilings.



Cassette Checklist

Model	RCI-3.0FSN3 RAS-3HVRNM2	RCI-4.0FSN3 RAS-4HVRNM2	RCI-5.0FSN3 RAS-5HVRNM2
- Indoor Unit - Outdoor Unit			
Capacity			
- Cooling (kW)	7.1	10.0	12.5
- Heating (kW)	8.0	11.2	14.0
Energy Efficiency			
- AEER Cooling	3.61	4.01	3.51
- ACOP Heating	4.29	4.70	4.27
Noise Levels			
- Indoor Unit (dB) <i>High 2 / High / Med / Low</i>	42 / 36 / 32 / 28	48 / 43 / 39 / 33	48 / 45 / 40 / 35
- Outdoor Unit (dB) <i>Cooling / Heating / Night</i>	45 / 47 / 41	47 / 49 / 43	48 / 50 / 44
Dimensions			
- Indoor (H x W x D mm)	298 / 840 / 840	298 / 840 / 840	298 / 840 / 840
- Outdoor (H x W x D mm)	800 / 950 / 370	1380 / 950 / 370	1380 / 950 / 370
- Weights IU / OU (kg)	26 / 66	26 / 103	26 / 103
Air Flow (L/s) High2 / High / Med / Low	450 / 383 / 300 / 233	617 / 517 / 400 / 333	617 / 550 / 433 / 350

Note: Rated capacity is measured in accordance with AS/NZ3823



Ecologically aware

Hitachi is dedicated to providing the most environmentally friendly air conditioning solutions possible. Our higher operating efficiencies and the use of a non-ozone depleting refrigerant ensure we lessen our impact on the environment.

Plus, our units are among the most energy efficient in Australia and exceed the Australian Government MEPS energy efficient standards.



Innovative noise reduction technology

All Hitachi air conditioners are designed with low noise and vibration technology so both you and your neighbours can enjoy peace and quiet.

With an innovative design and rotary compressors, you will always enjoy minimal noise and maximum efficiency



Dedicated to reducing power costs

The cost of power is always a problem. Any form of environmental modification will consume energy, but Hitachi air conditioning is one of the most efficient forms of climate control available. Features like our innovative PAM Inverter system offer high power while maintaining excellent energy efficiency.

Our aim is to ensure you enjoy the perfect indoor climate without the worry of excess power consumption and energy bills.



Hitachi's environmental focus

Hitachi's environmental focus encompasses more than an energy-saving performance. By reducing noise pollution, improving recyclability and decreasing energy consumption during production, our ecologically-aware air conditioners help prevent global warming by minimising environmental impact.





Nationwide dealer network

Hitachi domestic air conditioners are distributed throughout Australia by Temperzone Australia. That means you can rely on efficient, highly trained support staff and skilled technicians in every State and Territory in the unlikely event your unit ever needs service.

You can contact the support team during business hours to discuss your air conditioning needs by calling **1800 21 1800**.



Choosing the most economic package

Hitachi puts you in control of your running costs. Running costs of different brands vary widely, and different units may appear to offer a competitive Energy Efficiency Rating (EER). But the best whole-of-life cost will only come from the right package. Choose a unit with a good EER that's too small for the job, and it will work too hard, absorbing excessive energy to heat or cool your home. If a unit is too large, you will also end up paying more for energy than you should.

The cost of the unit is the other factor. Price does not always indicate a good EER. For the right package that combines energy efficiency and sufficient size for the job at the right price, be guided by your Hitachi dealer who will offer good, practical advice that's easy to understand.



Easy access to spare parts

When you choose Hitachi, you'll never have to worry about spare parts. Hitachi is fully integrated into the Temperzone warranty and spare parts system.

As Australia and New Zealand's leading specialist air conditioning organisation, Temperzone has a national network of spare parts warehouses and agents throughout Australia that's second to none.



Peace of mind with Hitachi's superior support system

Hitachi provides its customers with effective and efficient after sales service support throughout Australia.

With a large and experienced team of fully qualified technicians, Hitachi has a wide network of authorised service agents to help you when you need it.



5 year warranty

Hitachi stands behind the quality built in to its products. Every Hitachi air conditioning system is covered by a comprehensive 5-year parts and labour warranty.



The best climate control solution for **YOUR** whole home.

A Hitachi ducted system provides air conditioned comfort throughout your home. With a ducted system, a condenser unit is installed outside the home, and an indoor unit is installed in the ceiling or under the floor. Flexible ducting delivers cooled or heated air through vents strategically positioned where you'll need them most.

An air conditioning system to suit your home, your lifestyle and your budget

Which Hitachi air conditioning system is right for your home? In this brochure, we will explain the differences between the main kinds of systems we offer.

Heating Solutions ...

Reverse cycle Air conditioning is one of the most energy efficient ways to heat your home. It is more energy efficient than gas heating and much more energy efficient than a slow combustion stove or free standing electrical heater.

Cooling Solutions ...

How do you provide real climate control for the majority of Australian homes? Air conditioning is the answer.

Whereas evaporative cooling units reduce temperature by increasing humidity – and therefore only work in areas where humidity is normally very low – air conditioning is the only effective solution for the 90% of Australians who live on the coastal fringe.



Hitachi ... a global leader in air conditioning.



Who stands behind the air conditioning system you're about to purchase? If it's Hitachi, you can be reassured that it has been built by a world leader in air conditioning, and backed by Temperzone, Australia's leading air conditioning specialists.

Over the past 100 years, Hitachi's impressive growth has been powered by its commitment to developing advanced technology solutions and investing in extensive research. This ensures that every Hitachi product in every market is ahead of its competitors in ways that deliver real advantages to customers.

A reputation for quality

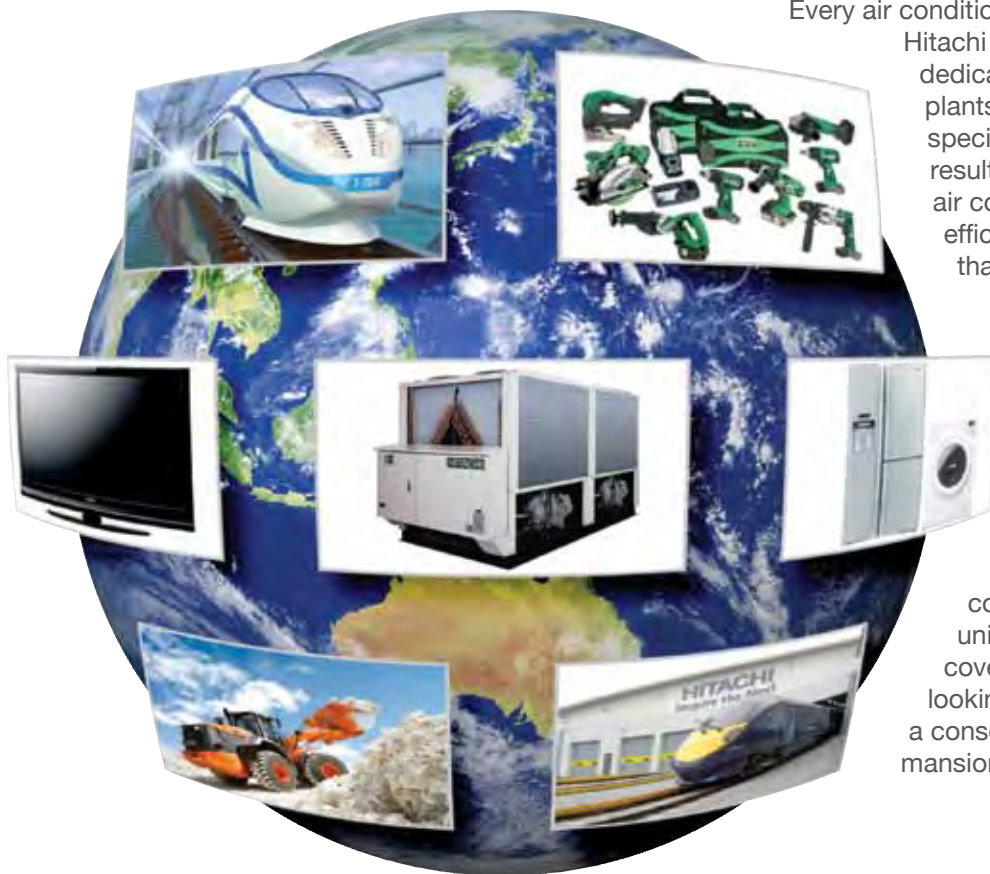
Hitachi's attitude to quality is simple. The whole company's reputation rides on every product it makes.

That's why Hitachi air conditioners are built the way they're built. The process starts with extensive in-house research & development.

Every air conditioning product carrying the Hitachi name is then manufactured in dedicated Hitachi air conditioning plants, each with its own specialised testing facilities. The result: a wide range of high quality, air conditioning systems that are efficient, quiet and reliable. Isn't that what you're looking for?

Air conditioning for every home

Hitachi's Air Conditioning Range is one of the most extensive available. With unit capacities ranging from 2.0kW high wall split systems to huge commercial and industrial units, Hitachi has the market covered. So whether you're looking for air conditioning for a conservatory to a multi-storey mansion, Hitachi can help.



Create the Perfect Environment



Hitachi believes the requirements for an air conditioner are not limited to its energy-saving performance. Environmentally-considerate air conditioners prevent global warming and minimize the impact on the environment ... by reducing the adverse effect of noise, improving recyclability and decreasing energy consumption during production.

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Hitachi Distributed in Australia by
temperzone australia pty ltd

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