



Cooling Capacity
8.5kW - 28.4kW

Heating Capacity
7.8kW - 28.2kW

Ducted Air Conditioning

Giving you complete control



Major Benefits of Ducted Air Conditioning



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 provide great
flexibility and comfort.



Even Air Distribution
No hot or cold spots
in your home.



5 Way Efficiency
World leading standards.
State of the art technology.
Targeted delivery.
No wastage.
Economy focus.



Aesthetics
Only the ceiling or floor
mounted grills are visible
inside your home.



Quiet
Ducted air conditioning
is the quietest of all air
conditioning options.



Valuable
Adding ducted air
conditioning adds to the
value of your home.

Providing you with more ways to keep your whole house comfortable.

You've probably already experienced Temperzone air conditioning without ever knowing.

You see, we've been around a while. Over fifty years in fact. In that time, our units have been working away quietly in the blazing heat, high humidity and the cooler climates in locations like banks, commercial offices, supermarkets, shopping malls and factories, high rise apartments and homes. That's the versatility of Temperzone.

Temperzone Ducted Air Conditioning

Whether you're planning a new home, or upgrading the comfort of an existing one, it's important that you have the right system in place for the size and style of your home. Ducted air conditioning is the only way to give you complete temperature control for every room in your home.

Temperzone Ducted Air Conditioning gives you a choice between two technologies. These are called **Inverter** and **Digital Scroll**. Essentially, they are two different ways of giving an air conditioning system variable cooling capacity. Variable output allows the systems to be set up for peak cooling demand and then drop back to a lower level. This helps enormously with energy usage.

Both are outstanding at dealing with the prospect of major temperature changes within your home.

As mentioned previously, one of the main features of Temperzone Ducted Air Conditioning is that it allows individual zones within your home to be individually set. In this way you can control the chosen temperature room by room to provide total comfort for the whole family all year round. What's more, the even air distribution that ducted air conditioning provides, ensures that there are no hot or cold spots.

Both systems feature a 7-day programmable time clock and an auto changeover control system that monitors whether to provide heating or cooling. And if you'd prefer a hands-off approach, there is even an auto function that can make all the decisions for you.

Designed to operate whatever the conditions outside your home.

The 'ambient temperature' (or more plainly put, what the temperature is immediately surrounding your outside unit) could effect its efficient operation. Temperzone's wide operating range means that even if temperatures are down to -15°C or up as high +52°C the unit will still deliver. By having this capability your air conditioning unit will work when you need it the most.

The Inverter Range

A system that continuously adjusts the cooling or heating output depending on the temperature of the room.



5 Way Efficiency

World leading standards.
State of the art technology.
Targeted delivery.
No wastage.
Economy focus.

Digital Scroll technology

A versatile system that allows very precise temperature control.



Temperzone
Ducted

How to cleverly divide your home into individual comfort zones.

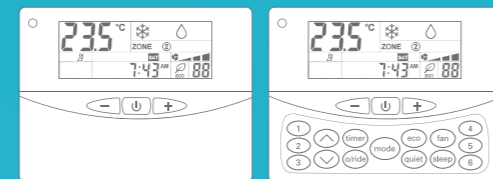
With Temperzone individual zone temperature control working for you, every room of your home will have the perfect temperature to suit everybody.

Let's say in one room the kids are having plenty of fun. In the dining room, you're having guests for dinner. Meanwhile upstairs, at the other end of the house, there's a baby quietly sleeping. All are catered for with each zone's temperature individually set. Everything is under control. It works this way ...

zone on or off. You can also add an extra master controller that will enable you to control the level of comfort upstairs or downstairs. And when it comes to reducing running costs, careful use of the time clock and ECO Mode are a great help.

Zone control works from a master controller. Up to 6 individual zone sensors can run off the system enabling you to create the ideal temperature at any time, day or night. Individual zone controllers also allow you to adjust the comfort setting for each zone, giving you the freedom to modify the temperature, or turn the

SAT 3 controller:



Closed

Open

The easy way to get the right advice.

Your dealer can take you through 3 easy steps to help you make the right choice.



1 Selection of duct location

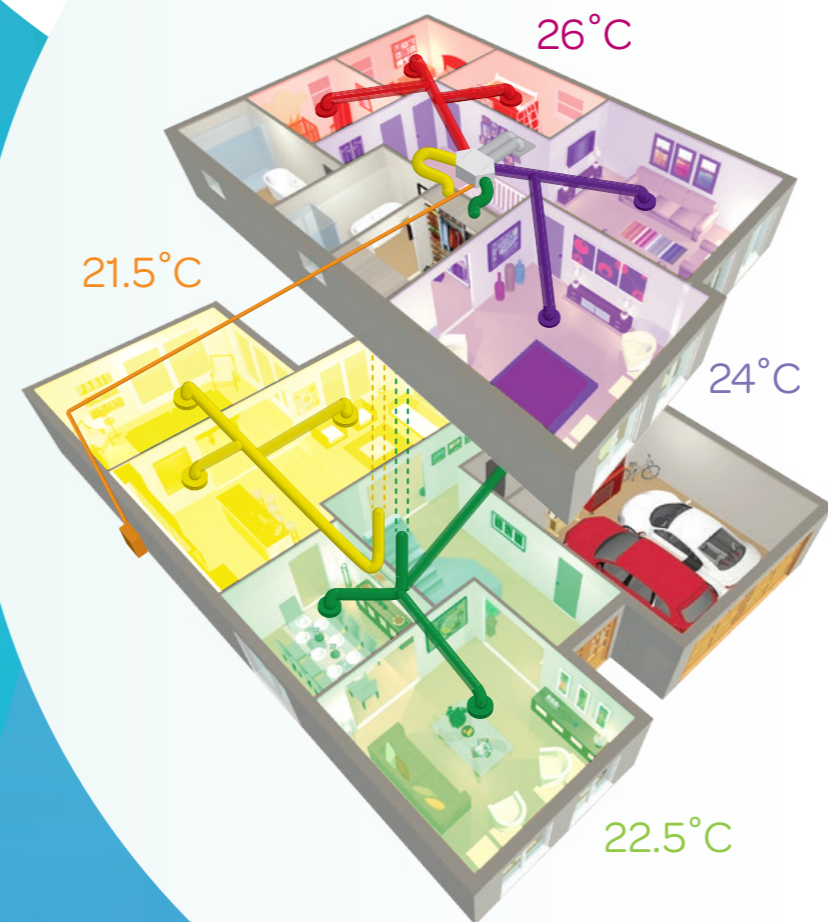
2 Choice of vent styles

3 Location of outdoor unit

From single storey...



to multi storey homes we've got your solution.





Responsive to room temperature

A system that continuously adjusts the cooling or heating output depending on the temperature of the room.

Efficient to run

Inverter technology helps you to save on running costs by allowing for variable output.

With the inverter technology range, it's easy to control your level of comfort.

Cooling
18.5kW – 27.9kW*

Heating
18.7kW – 27.5kW*

The Temperzone Inverter range features a highly efficient responsive system that continuously adjusts the cooling and heating output, depending on the temperature of the room. When the optimum temperature is reached, it modifies the power to make sure it's constantly maintained. It's a dramatic difference to the non-inverter systems which operate at a fixed speed and constantly stop and start once the set temperature is reached.

In winter, you'll really feel the warmth because the Temperzone inverter system has the ability to operate at extremely low ambient temperatures.

On a balmy night, Quiet Mode makes the outdoor unit reduce noise levels in the cooling cycle which the neighbours will certainly appreciate.

There's also Sleep Mode which gradually adjusts the temperature during the night to give you a restful night's sleep.

The Temperzone Inverter range is flexible and ideal for houses of all shapes and size. For double storey or larger homes, the inverter system is available with a handy secondary controller.



Indoor unit

Outdoor units

* Nominal capacity



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You can always rely on a digital scroll system to deliver total comfort.

Cooling
11.4kW – 28.4kW*

Heating
10.8kW – 28.2kW*

Digital scroll compressor air conditioning systems provide variable cooling and heating power. This is ideal for systems that need to cope with a big variation in demand.

Here are a couple of examples. A house with lots of west facing windows which causes a rapid build up in heat in the afternoon, but is cooler in the morning. Or a home that may only have two occupants during the week, but has a full house of extended family on the weekends. The variable output of the digital scroll compressor system caters for the higher cooling demand and also adjusts when a lower output is required.

With a large range of single and three phase models, means that there will be unit to suit any size home.



Real choice

You can choose from a wide range of small and large units.

Efficient and targeted

The technology allows for very precise temperature control.



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*Nominal capacity

Enjoy all the great benefits.



Ecologically Aware

Temperzone 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 Australasia and exceed the Australian/NZ Government MEPS energy efficient standards.



Choosing The Most Economic Package

Temperzone puts you in control of your running costs. The 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 selecting the right package. To get the best advice, simply ask your Temperzone dealer.



Peace Of Mind With Temperzone's Superior Support System

Temperzone provides its customers with effective and efficient after sales service support throughout Australia and New Zealand. Plus there's a large and experienced team of fully qualified technicians, and a wide network of authorized service personnel to provide help when you need it.



Innovative Noise Reduction Technology

All Temperzone air conditioners are designed with low noise and vibration technology.



Easy Access To Spare Parts

When you choose Temperzone, you'll never have to worry about spare parts. Being Australia's and New Zealand's leading specialist in air conditioning, Temperzone has a network of spare parts warehouses and agents that's second to none.



Dedicated To Reducing Power Costs

At Temperzone our aim is to ensure you enjoy the perfect indoor climate without the worry of excess power consumption and energy bills. That's why Temperzone air conditioning is one of the most efficient forms of climate control available, with features like our innovative inverter and Digital Scroll compressor technology that offer high power while maintaining excellent energy efficiency.



5 Way Efficiency

World leading standards

Temperzone units exceed the Australian and New Zealand Government MEPS energy efficient standards.

State of the art technology

Inverter, Digital Scroll and EC Fan technology provides high performance whilst maintaining outstanding energy efficiency.

Targeted delivery

Individual zone temperature control delivers targeted air conditioning to maximise efficiency.

No wastage

7-day programmable clock guarantees the comfort you require without wastage.

Economy focus

ECO mode maintains excellent energy efficiency by monitoring and moderately adjusting the set temperature.



Nationwide Dealer Network

Temperzone have warehouses, technicians and dealers across Australia and New Zealand. That means you can rely on them totally in the unlikely event of your unit needing service.



5 Year Warranty

A comprehensive 5 year parts and labour warranty covers the Temperzone ducted air conditioning for your home.



Temperzone
Ducted

Inverter Range / Standard Range

Checklist Chart



Temperzone
Ducted

Model	Digital	Digital	Digital	Digital	Digital	Digital	Inverter	Digital	Inverter	Digital	Inverter	Digital	
Indoor	ISD 87	ISD 116KYX	ISD 141KYX	ISD 116KYX	ISD 141KYX	ISD 164KYX	ISD 184KYX	ISD 194KYX	ISD 224KYX	ISD 224KYX	ISD 294KYX	ISD 294KYX	
Outdoor	OSA 87RKSH	OSA 116RKS GH	OSA 141RKS GH	OSA 116RKTGH	OSA 141RKTGH	OSA 164RKTGH	OSA 184RKTGH	OSA 194RKTGH	OSA 224RKTGH	OSA 224RKTGH	OSA 294RKTGH	OSA 294RKTGH	
Rated Capacity (kW)													
Cooling (net) ¹	8.3	11.1	13.4	11.1	13.4	16.0	17.9	18.7	20.6	21.1	27.1	27.5	
Heating ²	7.8	10.8	12.6	10.8	12.6	15.0	18.7	16.8	23.0	21.6	27.5	28.2	
Capacity Range (kW)													
Cooling (gross)	-	4.6 - 11.4	5.5 - 13.7	4.6 - 11.4	5.5 - 13.7	6.4 - 16.4	3.7 - 23.1	7.5 - 19.2	7.9 - 26.5	8.8 - 22.4	5.6 - 33.5	11.5 - 28.4	
Heating	-	4.3 - 10.8	5.1 - 12.6	4.3 - 10.8	5.1 - 12.6	6.0 - 15.0	3.8 - 22.5	6.7 - 16.8	8.0 - 27.6	8.6 - 21.6	5.5 - 33.0	11.3 - 28.2	
Energy Efficiency													
EER / AEER Cooling	3.25 / 3.21	3.28 / 3.26	3.14 / 3.12	3.28 / 3.26	3.16 / 3.14	3.13 / 3.12	3.15 / 3.10	3.25 / 3.20	3.11 / 3.10	3.18 / 3.16	3.13 / 3.11	3.12 / 3.10	
COP / ACOP Heating	3.25 / 3.23	3.55 / 3.35	3.52 / 3.50	3.55 / 3.35	3.52 / 3.50	3.60 / 3.58	3.29 / 3.27	3.58 / 3.56	3.12 / 3.10	3.26 / 3.24	3.47 / 3.45	3.53 / 3.51	
Noise Levels													
Outdoor Unit ⁴	51	53	52	53	52	48	53	60	57	57	59	59	
Dimensions													
Indoor: (H x W x D mm)	430 x 1050 x 795	430 x 1150 x 785	430 x 1280 x 785	430 x 1150 x 785	430 x 1280 x 785	430 x 1470 x 785	430 x 1460 x 785	430 x 1630 x 785	430 x 1630 x 785	430 x 1630 x 785	435 x 2020 x 690	435 x 2020 x 690	
Indoor Unit Separable	Yes						Yes			No		No	
Outdoor: (H x W x D mm)	765 x 1085 x 420	965 x 1120 x 425	965 x 1120 x 425	965 x 1120 x 425	965 x 1120 x 425	1120 x 1120 x 425	1270 x 1155 x 425	1270 x 1155 x 425	1385 x 1355 x 425	1385 x 1355 x 425	1335 x 1595 x 840	1335 x 1595 x 840	
Weights: Indoor kg / Outdoor kg	58 / 90	65 / 128	68 / 128	65 / 128	68 / 128	83 / 134	85 / 139	90 / 160	91 / 185	91 / 185	127 / 245	127 / 245	
Air Flow													
Nominal Airflow ³ - l/s	480	630	830	630	830	910	980	1065	1190	1190	1570	1570	
Operating Range													
Outdoor Temp - Cooling °C db	-10°C - 52°C						-10°C - 52°C						
Outdoor Temp - Heating °C db	-15°C - 25°C						-15°C - 25°C						
Electrical													
Power Supply ⁵	240 / 1 / 50					415 / 3 / 50		415 / 3 / 50					
Run Amps	11.1	16.9	19.9	7.1 / 4.7 / 4.7	8.7 / 5.7 / 5.7	10.3 / 7.2 / 7.2	12.4 / 8.8 / 8.8	11.7 / 7.9 / 7.9	14.9 / 10.2 / 10.2	14.6 / 9.0 / 9.0	17 / 17 / 17	18.5 / 14 / 14	
Max. Run Amps	14	20	22	10 / 10 / 10	11 / 11 / 11	12 / 12 / 12	16 / 16 / 16	13.5 / 13.5 / 13.5	21 / 21 / 21	18 / 18 / 18	36 / 36 / 36	28 / 17 / 17	
Refrigeration													
Refrigerant	R 410A						R 410A						
Pipe Sizes Suction / Liquid Ømm / Ømm	16 / 9.5	16 / 9.5	16 / 9.5	16 / 9.5	16 / 9.5	19 / 9.5	19 / 9.5	19 / 13	22 / 13	22 / 13	28 / 13	28 / 13	
Max Pipe Length (m)	60						60			90			
Max Vertical Separation (m)	20						20						
Pre Charged Line Length (m)	10						10						
Air Spigot Dimensions													
Supply Air Spigot (W x H mm)	838 x 262	968 x 276	968 x 276	968 x 276	968 x 276	1100 x 276	1100 x 276	1100 x 276	1100 x 276	1100 x 276	1505 x 253	1505 x 253	
Return Air Spigot (W x H mm)	840 x 355	934 x 359	1099 x 359	934 x 359	1099 x 359	1289 x 359	1290 x 359	1450 x 359	1450 x 359	1450 x 359	1772 x 365	1772 x 365	

¹ Cooling Capacity (net) at AS / NZS 3823 Conditions: Indoor Entering Air Temperature 27° C db / 19° C wb. Outdoor Entering Air Temperature 35° C db.
² Heating Capacity at AS / NZS 3823 Conditions: Indoor Entering Air Temperature 21° C db. Outdoor Entering Air Temperature 7° C db / 6° C wb.

³ Supply air flow at Net Cooling Capacity conditions
⁴ Sound Levels are measured at Net Cooling Conditions, SPL measured at 3 meters from the unit

⁵ Voltage Fluctuation Limits : 1 Phase 200 - 252V; 3 Phase 342 - 436V

Sydney: (02) 8822 5700

Newcastle: (02) 4962 1155

Christchurch: (03) 379 3216

Townsville: (07) 4774 3506

Perth: (08) 6399 5900

Jakarta: (21) 2963 4983

Adelaide: (08) 8115 2111

Launceston: (03) 6331 4209

Singapore: (65) 6733 4292

Brisbane: (07) 3308 8333

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