

●
Cooling Capacity
8.5kW - 28.4kW

●
Heating Capacity
7.8kW - 28.2kW



Ducted Air Conditioning

—
Giving you complete control



More than just another air conditioning company

We're dedicated to pioneering innovative new technologies and creating market-leading, easy-to-use solutions that offer you complete control.

Let our intelligent ducted air conditioning solutions place you in your comfort zone

Cooling or heating up to 14 rooms simultaneously has never been easier, thanks to the unrivalled power of Temperzone ducted systems.

Offering a simple and elegant solution to the challenge of multi-zone temperature requirements, Temperzone ducted air conditioning systems enable the comfort levels of designated rooms within your home or commercial space to be individually set and maintained via one concealed common unit.

Enabling airflow to be directed only to occupied spaces, the system offers an efficient, economical and environmentally-friendly solution to today's complex climate control needs.

Ranging in capacity from 8.5kW to 28.4kW (cooling) and 7.8kW to 28.2kW (heating), Temperzone ducted air conditioning features variable output capability, allowing the units to easily meet peak cooling demands before reverting to lower output requirements.

The convenience of complete centralised control

Forget about the need to manage the temperature of each room with a series of individual controllers. Utilising one of two highly effective interface options, Temperzone enables you to operate the entire system from a single master controller.



Premium zone control at the touch of a button



Premium Control Option

Intelligent design inside and beautiful design outside, Premium zone control offers you total temperature control and airflow of your ducted system at the touch of a button.

The optional touch screen technology gives you total temperature control of your Temperzone ducted system. Easily adjust the air distribution, temperature or airflow to optimise your comfort.

You can design your control system just the way you like. From a layout consisting of WiFi sensors or wired controllers in each room linked to a centralised touch screen controller to touch screen controllers in each individual room - the choice is yours.

WiFi
+ 4G controller
Control your system from anywhere.



Temperzone Ducted

WiFi Control App

The WiFi and 4G enabled iZone Controller App enables you to control your air conditioning system via your smart phone or tablet from anywhere. Now the whole family can come home to the perfect temperature.



Set and Forget - Favourites

Create up to 9 'favourite' zone scenarios to suit your lifestyle, then schedule these 'favourites' to match everyday living. But for a quick set and forget 'system off' timer, just press the seven-setting sleep timer button and iZone takes care of the rest.



iSense Human Sensor

This clever optional zone controller detects if a room is unoccupied. iSense will then automatically adjust the room temperature or switch off the air conditioning to that room. iSense significantly improves energy efficiency and reduces the running cost of ducted air conditioning system's in homes and offices, directing the airflow only to the rooms you are using.



Zoning

With a Temperzone individual zone control system installed, every room of your home will have the perfect temperature to suit everybody.

Why zoning?

Zoning is used to maintain different areas of your home at temperatures that satisfy different people. Let's say you are having dinner with friends, the kids are in the family room watching a movie, and there's a baby

sleeping in the bedroom. All these zones can be individually temperature controlled, so that comfortable living spaces are provided all year round.

Premium Zone Control Features

- Colour coded Touch Screen Controller
 - Can add additional touch pads
- Standard WiFi / 4G Access and Control suits:
 - IOS
 - Android
 - Windows
 - Smartphones and
 - Tablets
- Max 14 Zones available using WiFi Zone sensor's
- Optional Wired iSense Zone Sensor Available
 - Has built in Motion Detector
 - Can close a zone off if motion is not detected
 - Can adjust zone temperature setting from the zone controller
- Individual temperature control for each Zone
 - Set airflow for each zone
- Personalise Zone names
- Set up Favourite Zones to suit your lifestyle
- Set up an Operating Schedule for Individual Zones to suit your lifestyle

- Maintains your personal settings in the event of a power failure
 - Memory via battery back up
 - Auto Restart on resumption of power after a power failure.
- ### Standard Zone Control - SAT 3
- Backlit LCD Display Controller
 - Can add additional wall controller
 - Max 6 Zones available
 - Individual temperature control for each Zone
 - Set airflow for each zone
 - 7 Day Time clock operation
 - Set up an Operating Schedule for Individual Zones to suit your lifestyle
 - Maintains your personal settings in the event of a power failure
 - Auto Restart on resumption of power after a power failure.

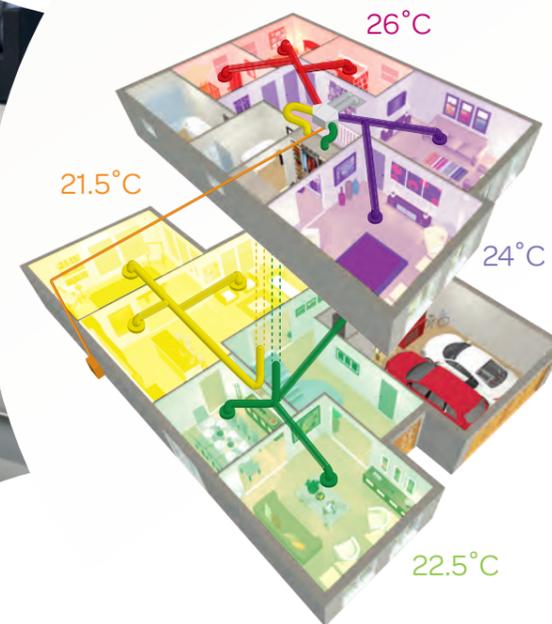


See the following pages for the additional benefits of Premium Zone control.

From single storey...



to multi storey homes we've got your solution.



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



Temperzone
Ducted

Technological advancements

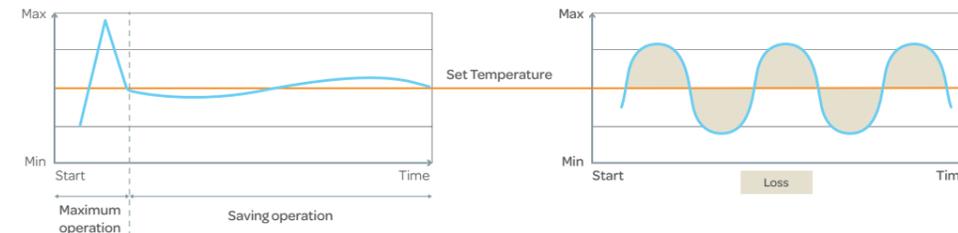
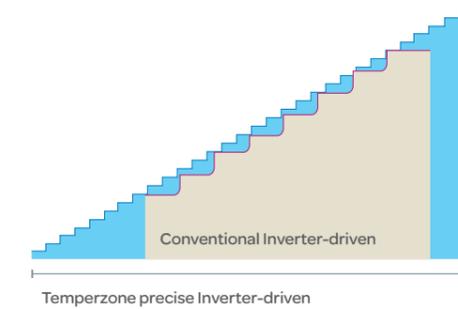


Temperzone Ducted

Inverter Compressor Technology

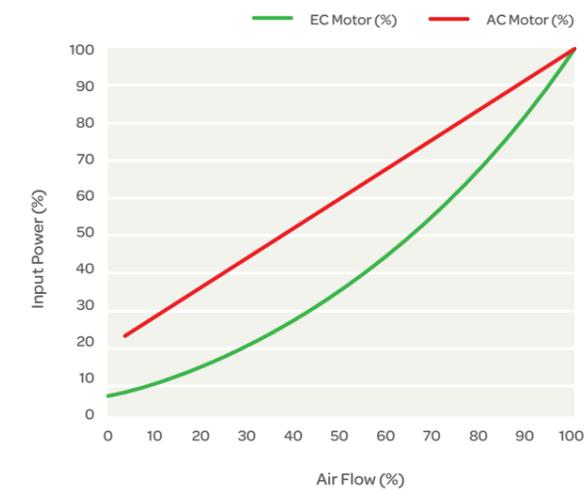
Using advanced Inverter Compressor Technology, Temperzone ducted systems are able to deliver precise temperature and humidity control as well as a rapid cooling and heating capability.

Our ECO ULTRA inverter units feature a stepless capacity control that enables the achievement of precise comfort settings. In contrast, non-variable capacity units attempt to maintain temperature by repeatedly switching power on and off, thereby generating greater temperature fluctuations and higher energy use.



EC Fans

Our high-efficiency inverter fan motors are **20% more efficient** than induction motor alternatives, enabling quiet operation and slow ramp-up with no sudden noise changes.



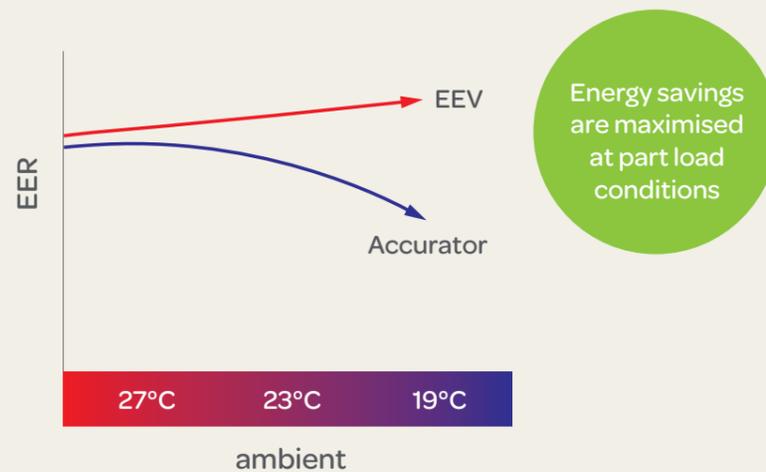
Technological advancements

Energy savings

Temperzone intelligent system control technology offers leading energy efficiency with precision control of the air conditioners refrigeration system.

Electronic Expansion Valves

Providing more efficient control of refrigerant flow within Temperzone inverter air conditioning systems, EEVs enable improved efficiency and reduced operating costs at part-load conditions. They also facilitate maximised energy savings during the shoulder seasons – periods in which air conditioning systems often run at part-load.



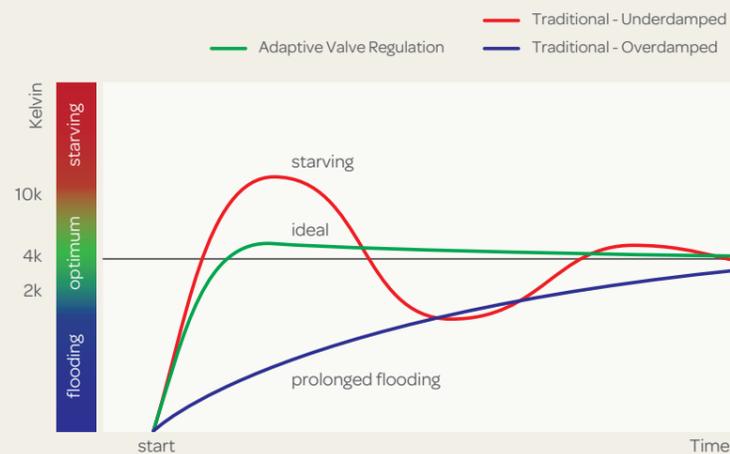
Adaptive Valve Regulation

Temperzone's proprietary Adaptive Valve Regulation system (AVR) ensures that Temperzone inverter air conditioning systems run more efficiently and enjoy a longer operational life.

AVR maximises efficiency in both heating and cooling cycles by regulating refrigerant flow capacity, allowing the system to maintain stability and efficiency over the full range of operating conditions.

AVR also prevents:

- Prolonged flooding (oil washed out of the system), which leads to ceased bearings and compressor damage.
- Improves Compressor Lifecycle
- Starving, which leads to HP/LP trips and reduced EER / Duty. Continuous starving leads to compressor motor overheat.



Temperzone Ducted

Anti-Corrosion, Anti Rust

Temperzone outdoor units are finished with a tough baked powder coat suitable for our tough conditions.

Low Profile units

Temperzone offer low profile ISDL units from 6.6 - 11.6 kW. These units ensure you can still install ducted units with ceiling space restrictions.

Auto restart

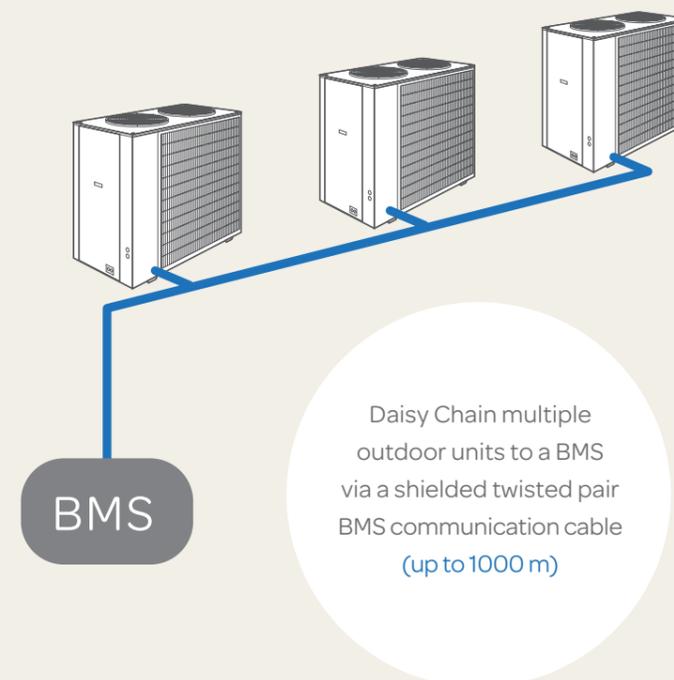
For even greater convenience, the Auto Restart feature prompts the air conditioner to restart at it's previous setting right after power is restored.

Wide operating range

Designed for the harshest conditions temperzone ducted units are designed to operate in ambient temperatures from -15 °C to 52°C to ensure you're always comfortable.

BMS Connectivity*

Temperzone ducted units can connect into a BMS (Building Management System) for control and operation.



(Modbus RTU across RS-485)

* Contact Temperzone for application

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, temperzone units exceed the Australian and New Zealand Government MEPS energy efficiency standards.



Peace Of Mind

Temperzone provides its customers with:

- Effective and efficient after sales service support throughout Australia and New Zealand using our experienced team of fully qualified technicians,
- A wide network of authorized service personnel to provide help when needed
- A wide network of spare parts warehouses and service agents that is 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.



Efficiency

Temperzone units are tested to meet and exceed the requirements of AS / NZS 3823.1.2.

Our units are also MEPS Compliant.



Innovative Noise Reduction Technology

All Temperzone air conditioners are designed and manufactured with low noise and vibration technology, this ensures smooth quiet running all year round.



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.



Choosing The Most Economic Package

Temperzone lets you take control of how to use your ducted system, this lets you:

- Decide on the levels of comfort you want
- Decide on Energy usage.



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

Temperzone ducted air conditioning systems are covered by a comprehensive five-year parts and labour warranty.



Temperzone
Ducted



Specifications

Indoor	ISD 87	ISD 116KYX	ISD 141KYX	ISD 116KYX	ISD 141KYX	ISD 164KYX	ISD 194KYX	ISD 224KYX	ISD 294KYX
Outdoor	OSA 87RKSH	OSA 116RKSGH	OSA 141RKSGH	OSA 116RKTGH	OSA 141RKTGH	OSA 164RKTGH	OSA 194RKTGH	OSA 224RKTGH	OSA 294RKTGV
Rated Capacity (kW)									
Cooling (net) ¹	8.3	11.1	13.4	11.1	13.4	16.0	18.7	21.1	27.5
Heating ²	7.8	10.8	12.6	10.8	12.6	15.0	16.8	21.6	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	7.5 - 19.2	8.8 - 22.4	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	6.7 - 16.8	8.6 - 21.6	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	3.25/3.20	3.18/3.16	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	3.58/3.56	3.26/3.24	3.53/3.51
Noise Levels									
Outdoor Unit (SPL/SWL) ⁴	51/67	57/73	58/74	57/73	58/74	56/72	54/70	60/76	59/75
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 1630 x 785	430 x 1630 x 785	435 x 2020 x 690
Indoor Unit Separable	Yes				No				
Outdoor: (H x W x D, mm)	765 x 1085 x 420	965 x 1120 x 425	1120 x 1120 x 425	1270 x 1155 x 425	1385 x 1355 x 425	1335 x 1595 x 840			
Weights: Indoor kg / Outdoor kg	58 / 90	65 / 128	68 / 128	65 / 128	68 / 128	83 / 134	90 / 160	91 / 185	127 / 245
Air Flow									
Nominal Airflow ³ -l/s	480	630	830	630	830	910	1065	1190	1570
Operating Range									
Outdoor Temp - Cooling °C db	-10°C - 52°C								
Outdoor Temp - Heating °C db	-15°C - 25°C								
Electrical									
Power Supply ⁵	230 / 1 / 50				400 / 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	11.7/7.9/7.9	14.6/9.0/9.0	18.5/14/14
Max. Run Amps	14	20	22	10/10/10	11/11/11	12/12/12	13.5/13.5/13.5	18/18/18	28/17/17
Compressor Type	Digital								
Refrigeration									
Refrigerant	R410A								
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	22 / 13	28 / 13
Max Pipe Length (m)	60								
Max Vertical Separation (m)	20								
Pre Charged Line Length (m)	10								
Refrigeration Connections									
Suction / Liquid - Indoor	Braze / Braze								
Suction / Liquid - Outdoor	Braze / Braze								
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	1098 x 276	1098 x 276	2020 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	1450 x 359	1450 x 359	1772 x 365

¹ Cooling Capacity (nett) 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



Specifications

Indoor	ISD 184KYX	ISD 224KYX	ISD 294KYX
Outdoor	OSA 184RKTFFH	OSA 224RKTFFH	OSA 294RKTFFV
Rated Capacity (kW)			
Cooling (net) ¹	17.9	20.6	27.1
Heating ²	18.7	23.0	27.5
Capacity Range (kW)			
Cooling (gross)	8.7 - 19.5	11.5 - 23.7	16.8 - 32.1
Heating	8.2 - 18.7	10.5 - 24.5	16.7 - 33.2
Energy Efficiency			
EER / AEER Cooling	3.15/3.10	3.11/3.10	3.13/3.11
COP / ACOP Heating	3.29/3.27	3.12/3.10	3.47/3.45
Noise Levels			
Outdoor Unit (SPL/SWL) ⁴	54/70	60/76	59/75
Dimensions			
Indoor: (H x W x D, mm)	430 x 1460 x 785	430 x 1630 x 785	435 x 2020 x 690
Indoor Unit Separable	Yes	Yes	No
Outdoor: (H x W x D, mm)	1270 x 1155 x 425	1385 x 1355 x 425	1335 x 1595 x 840
Weights: Indoor kg / Outdoor kg	85 / 139	91 / 185	127 / 245
Air Flow			
Nominal Airflow ³ -l/s	980	1190	1570
Operating Range			
Outdoor Temp - Cooling °C db	-10°C - 52°C		
Outdoor Temp - Heating °C db	-15°C - 25°C		
Electrical			
Power Supply ⁵	400 / 3 / 50		
Run Amps	12/9/9	15/10/10	17/17/17
Max. Run Amps	16/16/16	21/21/21	36/36/36
Compressor Type	Inverter		
Refrigeration			
Refrigerant	R410A		
Pipe Sizes Suction / Liquid Ømm / Ømm	19 / 9.5	22 / 13	28 / 13
Max Pipe Length (m)	60	60	90
Max Vertical Separation (m)	20		
Pre Charged Line Length (m)	10		
Refrigeration Connections			
Suction / Liquid - Indoor	Braze / Braze		
Suction / Liquid - Outdoor	Braze / Braze		
Air Spigot Dimensions			
Supply Air Spigot (W x H mm)	1100 x 276	1100 x 276	1505 x 253
Return Air Spigot (W x H mm)	1290 x 359	1450 x 359	1772 x 365

³ Supply air flow at Nominal Cooling Capacity conditions stated above

stated above; SPL measured at 3 m from the unit at High speed

⁴ Sound Levels are measured in decibels at Nominal Cooling Conditions

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



Temperzone
Ducted

Sydney: (02) 8822 5700

Newcastle: (02) 4962 1155

Christchurch: (03) 379 3216

Townsville: (07) 4774 3506

Perth: (08) 6399 5900

Jakarta: (62) 21 2963 4983

Adelaide: (08) 8115 2111

Launceston: (03) 6331 4209

Singapore: (65) 6733 4292

Brisbane: (07) 3308 8333

Auckland: (09) 279 5250

Shanghai: (21) 5648 2078

Melbourne: (03) 8769 7600

Wellington: (04) 569 3262



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