

Rinnai



Ducted Gas Heating



Australia's leading climate system

A reputation for innovation, reliability and quality for over 50 years has led to Rinnai being recognised as the staple of heating in Australian homes. Every Rinnai heater is made for the Australian winter and is guaranteed to provide your home with warm, cosy air for many years.

Our design and manufacturing process is accredited to the Australian Standard AS/NZS ISO9001. And our Ducted Gas Heaters come with warranties of up to 10 years. In addition to producing world-class home climate systems, Rinnai operates a National Customer Care Centre. Our knowledgeable staff are on hand to ensure total enjoyment of your new Rinnai Ducted Gas Heater.

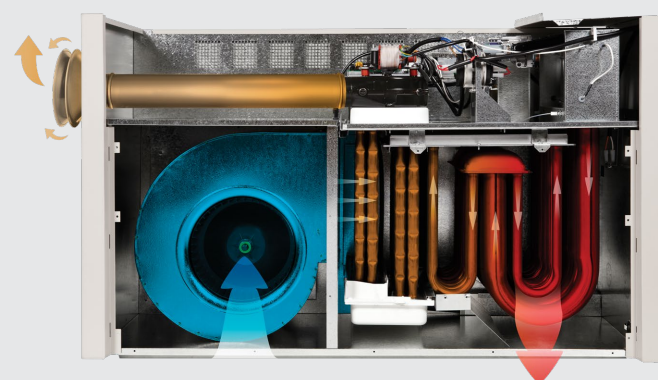
At Rinnai, we're all about comfort

For over 50 years, Rinnai has supplied Australian homes with a range of appliances that help people lead comfortable, safe and efficient lifestyles.

Being driven to create comfort means that we really care about our products and your experience from start to finish. We're focused on developing products with the latest technology and our level of quality is second-to-none, so you can rest assured knowing Rinnai will deliver.

Whole home heating

Incredibly effective and simple to operate



How does Ducted Gas Heating work?

Rinnai Ducted Gas Heating comprises a heating unit connected to a series of outlets via a system of ducts. Ductwork and outlets supplied by your installer are strategically placed throughout your home, either in the floor or ceiling. The position of the heating unit depends on your house.

The Rinnai Ducted Gas Heating system draws air from inside your home through the heater where it is warmed. A fan pushes it into the rooms of your home via the outlets and duct network, in the form of a steady, gentle supply of warm air.

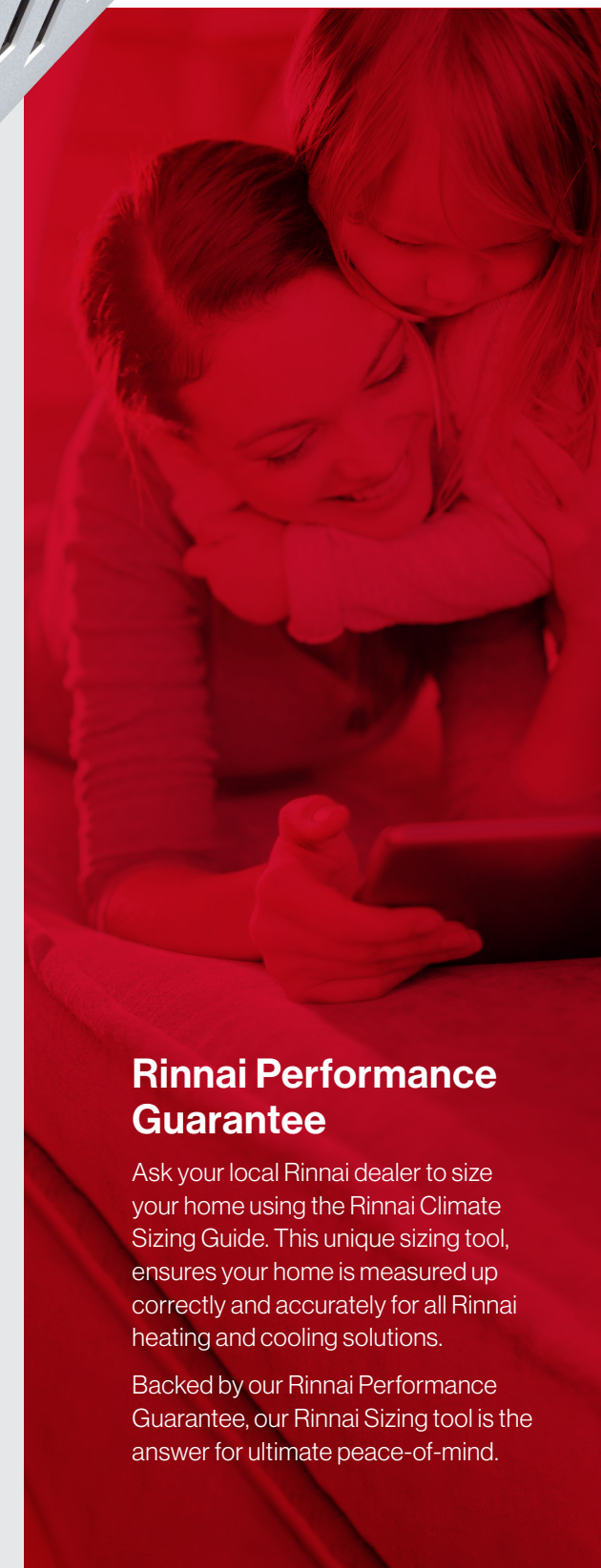
The Rinnai controller monitors the air temperature on a continual basis and controls the Rinnai Ducted Gas Heating system to ensure a consistently warm temperature throughout the home. On our higher efficiency models, as the home heats up, the heater modulates the gas so only a small amount of energy is used to keep the space at your desired comfort level.

Once your home reaches your desired temperature the heater unit switches off once all the hot air inside the unit has been used.

Rinnai Performance Guarantee

Ask your local Rinnai dealer to size your home using the Rinnai Climate Sizing Guide. This unique sizing tool, ensures your home is measured up correctly and accurately for all Rinnai heating and cooling solutions.

Backed by our Rinnai Performance Guarantee, our Rinnai Sizing tool is the answer for ultimate peace-of-mind.



Heating that doesn't cost the earth

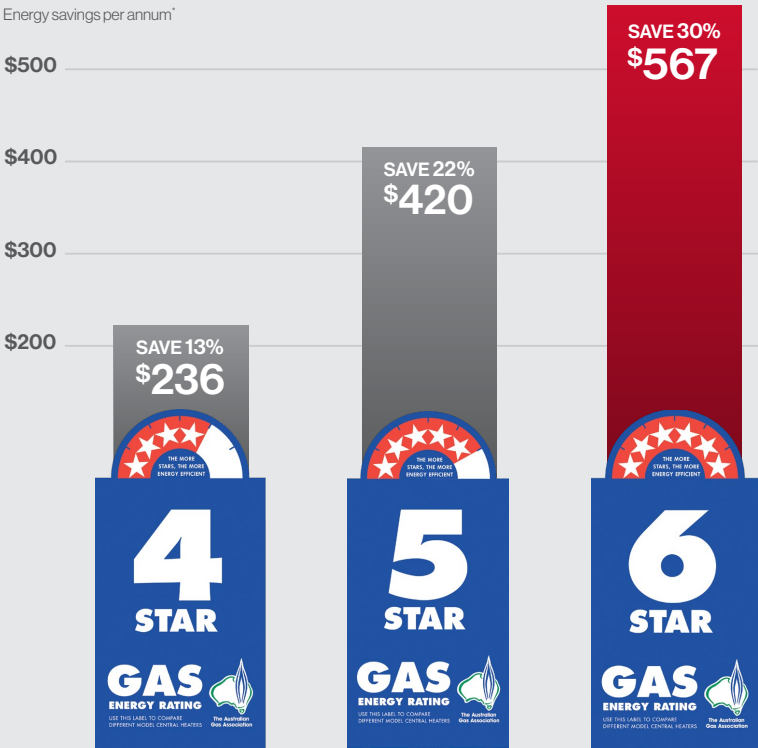
Benefits of heating with natural gas

Gas is a low cost, low carbon and convenient fuel of choice for Australian consumers when it comes to cooking, hot water and winter heating. Gas fired appliances are proven contributors to reducing greenhouse gas emissions and are efficient and responsive.

More than 100,000 km of gas pipelines around Australia meet the needs of 4.5 million customers with exceptional reliability.**

Star ratings explained

The star rating on your Ducted Gas Heater helps you compare how much gas your heater is actually using. It's an indicative guide that outlines the running cost of the heater in terms of annual energy usage. The higher the star rating, the more energy efficient the heater is - meaning bigger annual savings on your running costs. On average, an increase of one star means energy usage savings of approximately 10 percent.



Energy savings are compared to a standard 3.0 star Ducted Gas Heater. Running Cost Data is based on Australian Standard AS52631.6:2016. House Heat Load 0.2MJ/Hr/m² and 600 Hours of operation (100 days at 6 hours per day). Annual Energy Consumption - as per AGA Star Ratings for Ducted Gas Heating Systems. Gas Price = 2.09 cents per MJ/HR. Savings based on House Floor Area of 220m² for New Homes built pre 2005*, with 2.4m ceiling. Actual savings may vary due to variations in factors such as fuel costs, house size, thermal insulation and heater usage patterns. * Source: Sustainability Victoria 2020

**2020 Australian Gas Networks
australiangasnetworks.com.au

Features and Benefits



Easy Installation

Internal and external units designed for hasslefree installation, with internal units easy to split and lift for greater flexibility.



Efficient Energy Rating

With up to 6 star energy rating models available, this high efficiency feature uses less energy and provide long terms savings during the service life of your heater,



Locally Manufactured

Made in Melbourne under the most stringent standards for quality and performance. Design and manufacture is accredited to ISO9001.



DualComfort™ (Add-On Refrigeration)

Keep cosy and cool all year round with DualComfort™ Add-On refrigeration available with selected Ducted Heating models. Uses the same ducts for both heating and cooling.



Zoning

ZonePlus™ allows you to control up to four individual zones each with their own timer, temperature settings and reduced running costs.



Wi-Fi Control

Enjoy ultimate control of your Ducted Heater or Add-On Cooling from almost anywhere with an Internet connection using the Rinnai Touch™ App.



Small Spaces

Selected models can be installed sideways for versatile installation in restricted areas.



Fast Warm Up

It doesn't matter what the temperature is outside, your Rinnai Ducted Gas Heater will warm up your whole home before you know it.



Robust & Reliable

With a history expanding over 50 years in Australia, Rinnai are unmatched in reliability. Units are designed to withstand Australia's varied climates and are built to last.

How it works

So simple yet so effective

1. Fanspeed control (No cold drafts)

Adjustable air volume of up to 16 Fan Speed settings to better match airflow to your home. Soft start fan eliminates cold drafts on startup.

2. Efficient Heat Exchanger*

4-Pass Heat Exchanger for absolute maximum efficiency and minimal gas usage, utilising stainless steel, aluminised & non-corrosive materials where you need it most.

3. Rapid Heat

Boost mode for cold starts to warm your home rapidly. Feel cosy fast.

4. Insulated cabinet

Twin skin and fully insulated cabinets keep the heat where it is needed inside your home and not wasted outside.

5. Electric ignition on demand

Electronic start ensures no wasted gas (pilot light) when not operating. Most reliable form of ignition.

6. Modulating Gas Valve

Helps maintain a more even temperature in your home for ultimate comfort.

7. Safety controls

Sophisticated multi level safety controls that meet or exceed Australian Standards for supreme peace of mind.

8. Multispeed Combustion Fan

Automatically adjusts the combustion air through the heat exchanger for maximum efficiency.

BX5

Perfect changeover solution

Rinnai BX5

The Rinnai BX5 Star Heater has been designed with efficiency and reliability in mind. The energy efficient BX5, 5 star is the perfect solution for replacing or upgrading your existing Buffalo. With savings of \$420** on annual running costs compared to a standard 3 Star appliance, the BX5 is a simple upgrade choice. Your investment in the BX5 is sure to provide you many years of trouble free, high efficiency comfort, as well as reduced gas consumption.

Features

- High Efficiency 5 Star rating
- Easy to install
- Zone Plus compatible - up to 4 Zones
- Five year parts & labour warranty
- Great choice for Add-On Ice Cooling



SP Series

Premium range of heaters

SP4 Series

Rinnai' SP4 boasts up to an impressive 4.8 Star energy efficiency rating, making it one of the highest rated 4 Star Ducted Gas Heaters available.

Due to its flexible installation options the SP4 series is perfect for upgrading your old Ducted Gas Heater. It is an ideal all-round gas heater that's affordable, incredibly efficient and compact.



Features

- Five year parts and labour warranty
- Lay down kit (Internal - SP415/SP421)
- ZonePlus™ compatible
- DualComfort™ compatible
- Economical to run
- Universal internal/external application
- Outstanding efficiency up to 4.8 Stars

SP5 Series

Rinnai' latest 5 Star non-condensing range of Ducted Gas Heaters delivers excellent efficiency while using less gas to heat your home, all without the need for condensate drains. Rinnai can now not only deliver a 5 Star rating without producing condensate, but can offer a cheaper way to get 5 Star efficiency without compromising on quality.

A non-condensing Ducted Gas Heater makes the system easier and faster to install, making it a great option for a new installation or to replace your old heater - meaning lower installation costs.



Features

- Five year parts and labour warranty
- Lay down kit (Internal application)
- ZonePlus™ compatible
- DualComfort™ compatible
- Cheaper and easier to install
- High efficiency
- Non-condensing 5 Star Rating

SP6 Series

Introducing Rinnai' highest efficiency Ducted Gas Heater, the SP6 series. The new range of Rinnai 6 Star heaters is cleverly engineered to use less gas than traditional Ducted Gas Heaters. This is achieved through our efficient 4 Pass Heat Exchanger with Modulating Gas Valve - meaning you get superior temperature control and greater efficiency.

In heating mode, Rinnai ZonePlus™ allows you to independently zone different temperatures throughout the home with the option to turn off ones not in use, saving you money on running costs.

With DualComfort™ compatibility, your 6 Star heater can be your ultimate gas heating and refrigerated cooling solution all year round. Selected models are also available in Universal Liquefied Petroleum Gas (ULPG).



Energy Star Partner only applicable in New Zealand. Applies to SP6 range, not including SP615IN

Features

- Highest possible gas energy star rating
- Reduced running costs
- Reduced carbon emissions
- DualComfort™ compatible
- ZonePlus™ compatible
- Selected models available in ULPG
- Lay down kit (Internal application)
- Five year parts and labour warranty



SP4 Universal (Internal or External)



SP5 External & Internal models



SP6 External & Internal models

*Conditions apply, visit Rinnai.com.au for full terms and conditions.

DualComfort™

Add-On Cooling Systems

DualComfort™ product features

- ZonePlus™ compatible (SP heaters only)
- Advanced control options
- Australian designed, locally made for more than 50 years
- Brivis ICE™ Add-On refrigerated cooling system
- Electronic ignition and integrated diagnostics
- Duct work installation flexibility (under floor or in roof space)
- Heating and cooling from the one controller

Keep your energy costs to a minimum

The combination of Ducted Gas Heating with refrigerative cooling provides a superior whole home climate control solution at an affordable rate.

The ultimate form of air-conditioning

The system combines the best form of heating and the best form of cooling. It can be zoned, utilises common ductwork and allows you to maintain your desired level of comfort all year.

Better performance in cold ambient temperatures

The reverse cycle heating capacity of an Air Conditioned reduces and works less efficiently when outside temperatures drop. The heat output and efficiency of a Ducted Gas heater is not impacted by ambient temperature and remains steady.

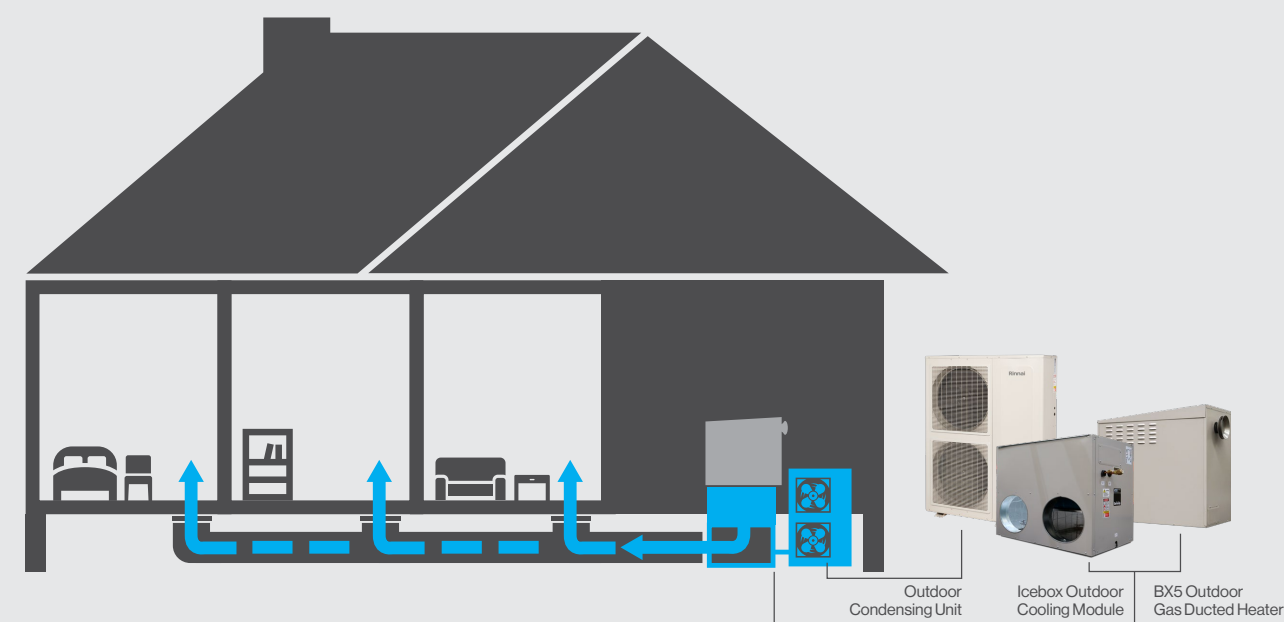
Flexible installation options

With the DualComfort™ heating and cooling solution you can install both the gas heating and refrigerated cooling at the same time, or install just the heating first, ready for the cooling to be added in at a later date. Simple. Ask your installer about being DualComfort™ ready.

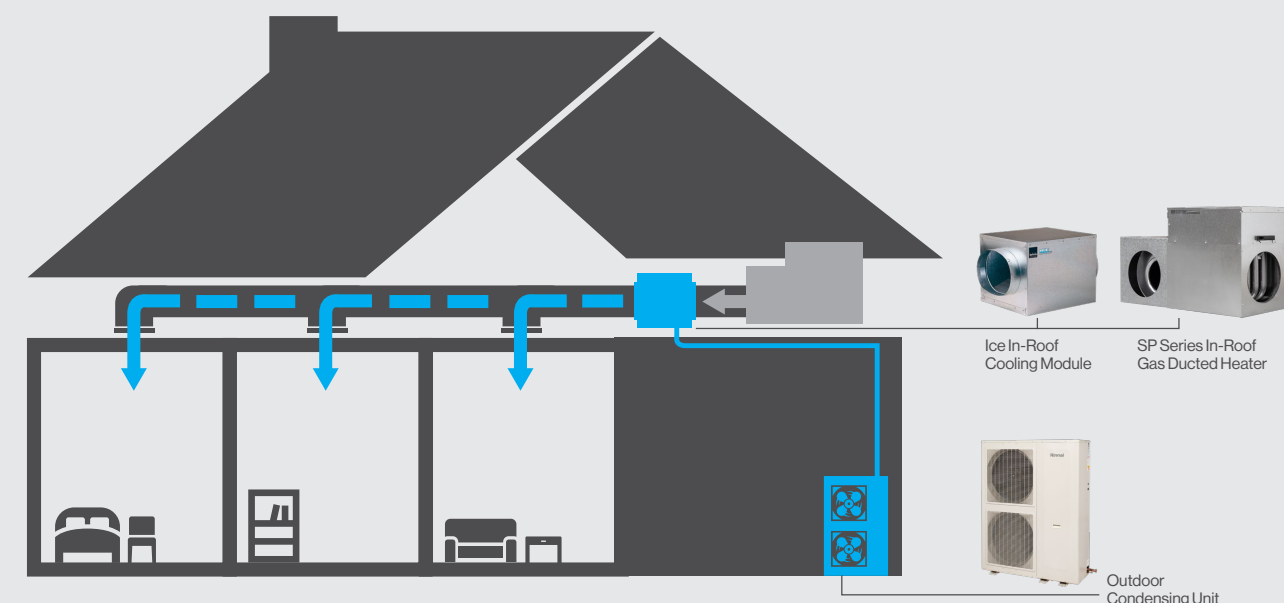
How it works

Solutions for every home

DualComfort solution for homes built on stumps



DualComfort solution for concrete slab homes



Zoning

Complete comfort control



Touch App mobile controller, Refer to controllers page for more information

Introducing Rinnai Zoning Solutions*

ZonePlus™

For outstanding individual comfort, control and energy management, ZonePlus™ allows you to have up to four individually controlled zones, each with their own time and temperature settings.**

For total flexibility, you can upgrade as many Rinnai Temperature Sensors to Rinnai NC6 or Touch controllers allowing you to fully control, program and manage each zone – eliminating the need for you to go back to a Master controller. Adjust temperatures for each zone as it suits you from any controller in the home. Perfect comfort, absolute control. ZonePlus™ works in unison with any Rinnai SP series Ducted Gas Heater with 4, 5 and 6 star efficiencies.

Adaptive Zoning

Allows heating or cooling to be used with one or more Rinnai controllers, operating a common zone, as well as up to four additional zones, e.g. lounge room, bedrooms, kitchen/dining etc.

A Rinnai NC6 or Touch can simply turn zones on or off to manage only those areas you are using.

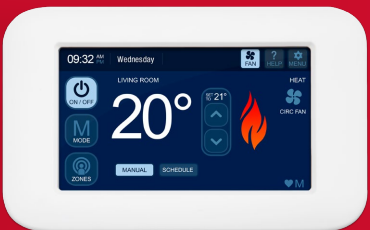
Benefits of ZonePlus™

Reduce your energy costs

Switching off unused zones not only helps reach your set temperature faster, but will also save you lots on your energy bill. Adjusting your comfort levels moderately can also make big changes to your energy bill.

Get more comfortable quicker

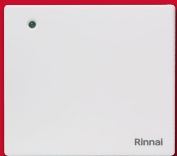
With the option of Rinnai controllers in every zone, you no longer need to rely on one central controller managing your entire home. Controlling your climate is only ever a few steps away. How convenient is that?



Rinnai Touch™



Rinnai NC6 Networker™



Remote Temp Sensor

*In some Dual Comfort applications a Constant Zone may be required. Consult your specialist dealer for more information.

** For multi temperature set point (MTSP) systems the zone temperature setpoint can be set independently across all Networker / Touch Controllers or temperature sensors.

Controllers



Touch Controller

Comfort is right at your fingertips with the Rinnai Touch™ Controller. Control your Rinnai Ducted Gas Heater, Evaporative Cooler and Add-On Cooling using its high resolution touchscreen.

With its convenient 7 day programmability function and easy-to-use interface, the Rinnai Touch Controller combines the best engineering and technology into one unit.

- Security control prevents unauthorised usage .
- Simple on/off and temperature up/down functionality.
- Inbuilt status monitor.
- Monitors usage and alerts you when it's time to maintain your appliances.
- Facilitates optional on-board zoning functionality and customisation.

Touch App

Enjoy ultimate control of your Rinnai Gas Ducted Heater, Evaporative Cooling or Add-On Cooling from almost anywhere with an Internet connection. With the ability to turn your unit on/off, set temperatures and modes (heating or cooling) and zone control, complete comfort has never been easier.

- Available on Google Play and App Store.
- Multiple user capability.
- Retrofits to existing Gas Ducted Heaters, Evaporative Cooling and Add-On Cooling with compatible Network Controllers.

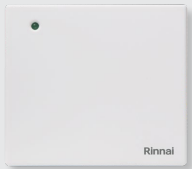
NC6 Networker

The Networker is designed with an easy-to-use rotary dial, an easy-to-read LCD screen and is backlit using Electro-Luminescence (EL) technology, making the screen easier to read in poorly lit areas or at night. The NC6 can operate both a Rinnai ducted gas heater as well as a Rinnai cooling system, providing total control.



Remote Temperature Sensor for ZonePlus™

For total flexibility when zoning your home a remote temperature sensor, when used with a Touch or Networker control, will help you manage and control temperatures throughout your home.



Servicing

Quality service for over 50 years

Rinnai products are renowned for their quality, performance and reliability, and have been keeping Australians comfortable for over 50 years. Our commitment to producing exceptionally engineered, high quality products is supported by our manufacturer's warranty through factory-trained professionals, ensuring your ultimate protection and peace of mind.

The Rinnai standard parts and labour product warranty is 5 years. Rinnai offers the option of extending this warranty up to a further 4 years, for a total of 9-year parts and labour warranty, on Rinnai Ducted Gas Heaters¹. Furthermore, Rinnai offers a 10 year warranty on the gas burner, heat exchanger and structural component.

Heating and cooling equipment is subject to normal wear and tear and often operates under extreme conditions. It is recommended that such appliances be serviced and maintained by qualified licensed technicians at a minimum of once every two years to prolong the life of the unit, help keep it running safely and at optimum efficiency.

Rinnai Service Advantage Program

Have complete peace of mind by participating in Rinnai' comprehensive Service Advantage Program.

Extend your standard 5 year parts and labour warranty on your Gas Ducted Heater by another 4 years, by registering your product and completing the scheduled servicing using our National Service Network.

Rest assured your appliance will either be repaired or replaced by experienced and qualified technicians using genuine replacement parts.

Register your system online at:
Rinnai.com.au/warranty

We're at your service

The National Customer Care Centre provides first class service and maintenance of you system, ensuring it's running at its highest efficiency so you can enjoy the Rinnai experience for many years to come.

Operating 5 days a week
(Monday to Friday)





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Up to 9 years warranty*



*5 year + 4 year extended. Conditions apply, visit Rinnai.com.au for full terms and conditions.

Technical Information

					
Features		BX5	SP4	SP5	SP6
Standard Features	Star Rating	★★★★★	★★★★	★★★★★	★★★★★
	Heating kW capacities	20 / 30	15 / 21 / 30 / 35	21 / 30 / 35**	15** / 23 / 30 / 35
	5 Year Parts & Labour Warranty	●	●	●	●
	9 Year Warranty (5 Year Standard + 4 Years Optional Parts & Labour Extended Warranty*)	●	●	●	●
	Australian Made	●	●	●	●
	Electronic spark ignition	●	●	●	●
	Powered Flue	●	●	●	●
	Internal option		●	●	●
	External option	●	●	●	●
	Fan Speed Sensing	●	●	●	●
Optional Features	Modulating Gas Valve	●	●	●	●
	Internal Unit Lay down option		● [#]	●	●
	Networker compatible	●	●	●	●
	Wi-Fi compatible	●	●	●	●
	Dual Comfort Add-On Cooling compatible	● [^]	●	●	●
ZonePlus Compatible		●	●	●	●

Rinnai Ducted Gas Heater	Star Rating	Capacity (kW)	Airflow (L/s) @ 100Pa ESP	Duct Connection Pop sizes (mm)	Dimensions (L x W x H)	Net Weight (kg)	Available in LPG / ULPG
SP6 Series							
RSP615IN	6.0	15.0	630	300	1021 x 395 x 634	57	-
RSP623EN	6.0	23.0	660	300	1046 x 416 x 750	68	-
RSP623EN-XA	6.0	23.0	705	350	1046 x 416 x 750	68	ULPG
RSP623IN	6.0	23.0	720	300	1021 x 395 x 634	58	-
RSP623IN-XA	6.0	23.0	755	350	1021 x 395 x 634	58	ULPG
RSP630EN	6.0	29.0	890	350	1096 x 568 x 810	89	-
RSP630EN-XA	6.0	29.0	1020	400	1096 x 568 x 810	89	ULPG
RSP630IN	6.0	29.0	1085	350	1070 x 547 x 684	78	-
RSP630IN-XA	6.0	29.0	1120	400	1070 x 547 x 684	78	ULPG
RSP635IN	6.0	35.0	1155	450	1070 x 547 x 684	78	ULPG
SP5 Series							
RSP521EN	5.0	21.0	645	300	1046 x 416 x 657	66	-
RSP521EN-XA	5.0	21.0	685	350	1046 x 416 x 657	66	-
RSP521IN	5.0	21.0	740	300	1021 x 395 x 634	53	-
RSP521IN-XA	5.0	21.0	770	350	1021 x 395 x 634	53	-
RSP530EN	5.0	30.0	995	350	1096 x 568 x 707	85	-
RSP530EN-XA	5.0	30.0	1000	400	1096 x 568 x 707	85	-
RSP530IN	5.0	30.0	1110	350	1070 x 547 x 684	71	-
RSP530IN-XA	5.0	30.0	1170	400	1070 x 547 x 684	71	-
RSP535IN	5.0	35.0	1190	450	1070 x 547 x 684	72	-

SP4 Series							
RSP415UN	4.1	15	555	300	845 x 397 x 775	65	-
RSP421UN	4.8	21	555	300	845 x 397 x 775	65	-
RSP430UN	4.2	30	953	350	923 x 549 x 644	84	-
RSP435UN	4.3	35	1041	400	923 x 549 x 644	84	-
BX5 Series							
RBX520	300mm base box	5.1	20	545	300	852 x 420 x 775	57
	350mm base box			609			
RBX526	350mm base box	5.0	30	972	350	1028 x 580 x 866	67
	400mm base box			1042			

SP4 Universal unit airflow is for internal application configuration.

*Terms and conditions apply, see rinnai.com.au for more information. **Internal only. #SP415 & SP421 only. ^Selected models

Add on ICE™ - DualComfort™								
System Overview			10	13	15	17	18	22
Power Supply		V-ph-Hz	220-240-1-50				415-3-50	
Mode			Inverter				Conventional	
Cooling Capacity	Nominal Capacity	kW	10	13	15	17	18	22
	Rated Capacity	kW	10.1	13.07	14.57	16.24	18.2	22.2
	Capacity Range	kW	4.8 - 11.0	6.3 - 14.0	7.5 - 16.0	8.3 - 16.6	N/A	
	Rated Input	W	3.20	4.08	4.67	5.18	5.2	5.84
AEER			3.12	3.20	3.12	3.13	3.50	3.80
ICE™ Outdoor Unit			DONSC10Z71	DONSC13Z71	DONSC15Z71	DONSC17Z71	DO-SC18Z91	DO-SC22Z91
Power Supply		V-ph-Hz	220-240-1-50				415-3-50	
Maximum Input Current		A	18.0	23.0	25.0	27.0	20.9	20.9
Compressor		Type	Rotary	Rotary	Rotary	Rotary	Scroll	Scroll
Sound Pressure Level @3m		dB(A)	61	62	62	62	56	56
Sound Power Level			70	71	71	71	70	70
Dimensions	Dimensions (L x W x H)	mm	946 x 410 x 810	952 x 415 x 1333	952 x 415 x 1333	952 x 415 x 1333	1258 × 450 × 1390	1258 × 450 × 1390
	Net Weight	kg	68.5	100	116	130	141	144
Refrigerant Piping	Refrigerant	Type	R410A					
	Gas Connection Size	mm	15.9	19.0	19.0	22.2	22.2	28.6
	Liquid Connection Size		9.5	9.5	9.5	12.7	12.7	12.7
	Recommended Interconnecting Pipe Size - Gas (mm)	1 - 10m	15.9	19.0	19.0	22.2	22.2	28.6
		10 - 30m					28.6	28.6
	Recommended Interconnecting Pipe Size - Liquid (mm)	1 - 10m	9.5	9.5	9.5	12.7	9.52	12.7
		10 - 30m					12.7	12.7
	Precharged Length	m	15	15	15	15	15	15
	Max. Pipe Length		65	65	65	55	30	30
	Max. Height Diff (CDU below)		30	30	30	30	8	8
Max. Height Diff (CDU above)	30		30	30	30	8	8	
Ambient Temperature Limits		°C	-15 - 50	-15 - 50	-15 - 50	-15 - 50	-5 - 46	-5 - 46
ICE™ Indoor Unit			DINLU10Z7	DINLU13Z7	DINLU15Z7	DINXU17Z7	DI-XU18Z	DI-XU22Z
Power Supply		V-ph-Hz	220-240-1-50				N/A	
Description		Type	Compact Coil with Round Duct Connections					
Airflow	Rated	L/s	678	697	830	956	900	1100
	Minimum		500	550	620	850	750	900
Coil Static Pressure Drop	@ Rated Airflow (Dry / Wet)	Pa	48 / 58	50 / 60	65 / 80	92 / 122	138 / 173	101 / 127
	@ Minimum Airflow (Dry / Wet)		33 / 38	35 / 40	48 / 60	73 / 98	91 / 114	82 / 103
Dimensions	Dimensions (L x W x H)	mm	823 x 540 x 678	823 x 540 x 678	823 x 540 x 678	777 x 811 × 549	680 × 627 × 542	777 x 748 × 549
	Net Weight	kg	31	31	40	42	36	41
Duct Connection (Outlet)			Ø 400	Ø 450	Ø 450	Ø 450	Ø 450	Ø 500
Duct Connection (Inlet)		mm	Ø 400	Ø 400	Ø 400	Ø 400	Ø 400	Ø 450
Condensate Drain Connection			20	20	20	20	20	20
Refrigerant Pipe Connections	Gas	mm	15.9	19.0	19.0	22.2	22.2	28.6
	Liquid		9.5	9.5	9.5	12.7	12.7	12.7
Operating Temperature Limits		°C	19 - 32	19 - 32	19 - 32	19 - 32	17 - 32	17 - 32
Rated capacities rated in accordance with AS3823 with 5m charged length. With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice.								

Rated capacities rated in accordance with AS3823 with 5m charged length. With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice.

Rinnai Ducted Gas Heater Compatability (Table indicates maximum recommended add-on cooling capacity)						
	Rinnai ICE™ Inverter					Rinnai ICE™ Conventional
Heater Range	10	13	15	17	18	22
RSP6	RSP615I	RSP623I, RSP623E, RSP623E XA	RSP623I XA	RSP630E, RSP630E XA, RSP630I, RSP630I XA	RSP635I	
RSP5		RSP523I, RSP523E, RSP523E XA	RSP523I XA	RSP530E, RSP530E XA, RSP530I, RSP530I XA	RSP535I	
RSP4U	RSP415U, RSP421U	-	RSP430U	RSP435U	-	-
RBX5	RBX520 XA	-	-	RBX526	RBX526 XA	-

Ductwork and fittings for Dual Comfort Systems must be designed and sized by the installer to ensure the minimum cooling airflow requirements are met at all times.

With our policy of continuous improvement, we reserve the right to change, or discontinue at any time, specifications or designs without notice.

Note: All images contained within this brochure are for illustrative purposes only, the colours and finishes of the products featured are as close to the respective product range as photographic lighting and printing processes allow.

Rinnai Australia Pty Ltd

ABN 74 005 138 769

100 Atlantic Drive,
Keysborough, Victoria 3173

For further information
call 1300 555 545 or visit
rinnai.com.au

TOTAL HOME COMFORT



HOT WATER



HEATING



COOLING

Rinnai