

**Rinnai**

# Ducted Gas Heating



# Whole home heating

## Did you know?

With Rinnai Zoning technology you can heat any area in your home. You can even heat just a single zone, saving you money on your energy bill.



### Fast

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



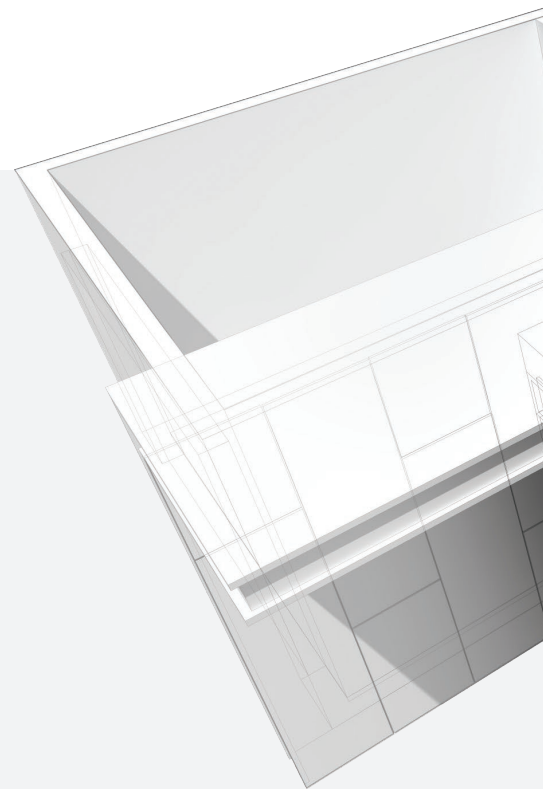
### Reliable

For over 45 years Rinnai has been heating Australian homes. Unmatched for reliability, some of our first heaters are still working today.



### Efficient

Energy efficiency is a high priority at Rinnai, we're constantly striving to build products that are friendly to our environment. To compliment a full range of 3,4 and 5 star heaters you can now save up to 30% on your next energy bill with the SP6 Ducted Gas Heater.



## Rinnai – Australia's leading climate system

A reputation for innovation, reliability and quality for over 45 years has led to Rinnai being recognised as the staple of heating in Australian homes.

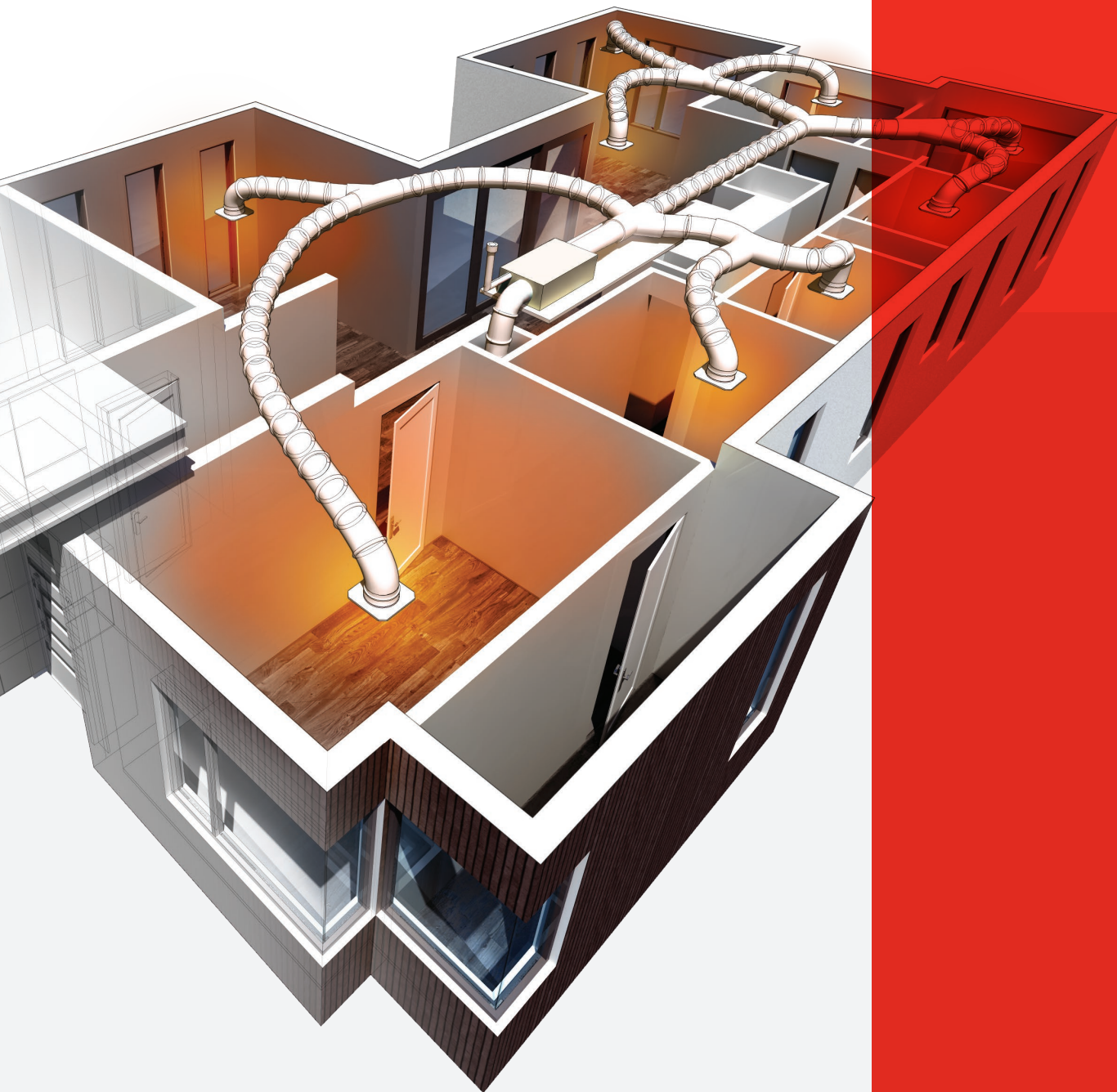
Every Rinnai heater is made for the Australian winter and is guaranteed to provide your home with warm, cosy air for many years. Our design and manufacturing process is accredited to the Australian Standard AS/NZS ISO9001. And our Ducted Gas Heaters come with warranties of up to 10 years.

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.

## Ducted Gas Heating

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 ducts which connect the outlets to the heating unit are neatly tucked away out of sight. A wall controller lets you set up your temperature for the whole home or even down to a single room.



## How does Ducted Heating work?

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. The fan then comes to a halt slowly, ensuring that all the remaining heat inside the unit is 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.



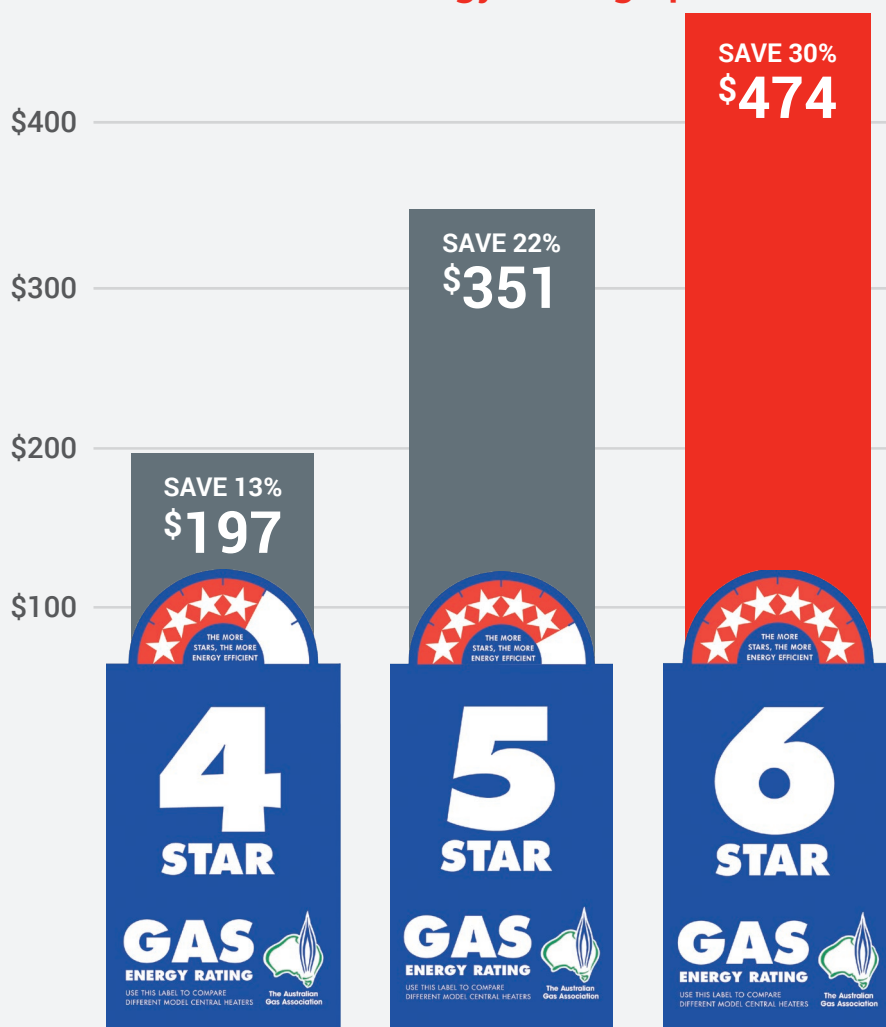
# The more stars, the more you save

## 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 per annum<sup>#</sup>



<sup>#</sup>Energy savings are compared to a standard 3.0 star Ducted Gas Heater. Running Cost Data is based on Australian Standard AS4556-2011. House Heat Load 0.2MJ/HR/m<sup>3</sup> 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 = 1.6 cents per MJ/HR). Savings based on Average House Floor Area for New Homes built in 2012 - 2013\*, 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: Australian Property Investor, ABS, Commsec: November 2013

# Lowest running costs

NEW

## SP6 Universal Series

Introducing Rinnai's 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 Quattrra technology, a superior 4 Pass Heat Exchanger with Modulating Gas Valve - meaning you get superior temperature control and greater efficiency.

Add ZonePlus™ and your 6 Star gas heater is zone ready for up to four zones, allowing you to set different temperatures in each zone, or to turn off the zones you are not using, saving you money on your running costs. Selected models are also available in Universal Liquefied Petroleum Gas (ULPG).

## Features

- Highest possible gas energy rating
- Reduced running costs
- Reduced carbon emissions
- Zone-ready for up to four zones
- Selected models available in ULPG
- Lay down kit (internal unit option)
- Five year parts and labour



# 6 STAR

## GAS ENERGY RATING

USE THIS LABEL TO COMPARE  
DIFFERENT MODEL CENTRAL HEATERS



Save 30% annually  
compared to a  
standard 3 Star  
Ducted Gas Heater

# Compact and efficient

NEW

## SP5 Universal 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 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

- Non-condensing 5 Star Rating
- High efficiency
- Cheaper and easier to install
- Zone-ready for up to four zones
- Lay down kit (internal unit option)
- Five year parts and labour warranty



# 5 STAR

## GAS ENERGY RATING

USE THIS LABEL TO COMPARE  
DIFFERENT MODEL CENTRAL HEATERS



The Australian  
Gas Association

Save 22% annually  
compared to a standard  
3 Star Ducted Gas Heater

# Compact and affordable

## SP4 Universal Series

The new and improved Rinnai SP 4 Star boasts up to an impressive 4.8 Star energy efficiency rating, making it 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

- Outstanding efficiency up to 4.8 Stars
- Universal internal/external application
- Economical to run
- Zone-ready for up to four zones
- Lay down kit (Internal - SP415/SP421)
- Five year parts and labour warranty



# 4 STAR

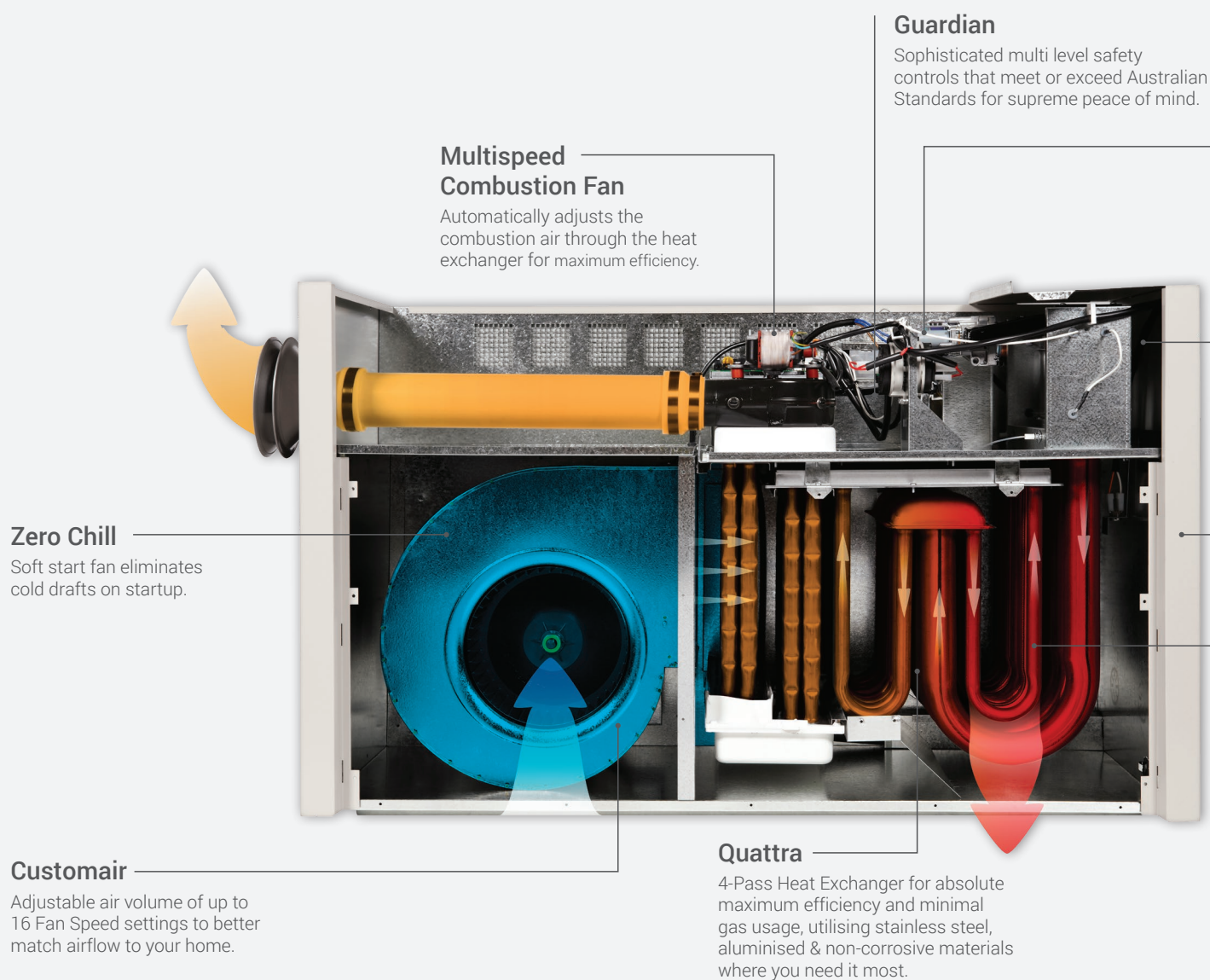
## GAS ENERGY RATING

USE THIS LABEL TO COMPARE  
DIFFERENT MODEL CENTRAL HEATERS



Save 13% annually  
compared to a standard  
3 Star Ducted Gas Heater

# Take a closer look



\*SP Range \*\*\*SP6 range only





### Electro-Nite

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

### Modulating Gas Valve\*

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

### Cool Touch

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

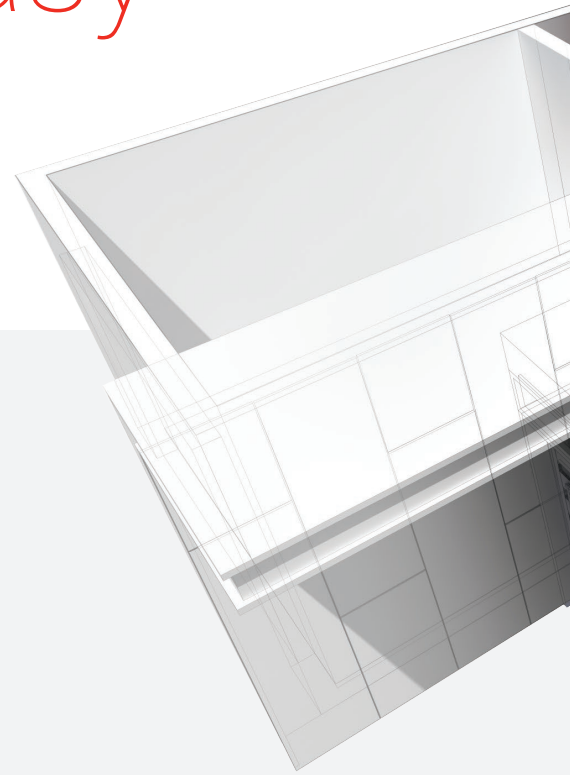
### Rapid Heat

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

## Engineered for total comfort

Rinnai owns and operates a state-of-the-art manufacturing facility located in Braeside, Victoria. All our ducted gas heaters are designed and manufactured locally in Australia, specifically for the climatic conditions of our country. We have over 45 years of experience and expertise in designing and manufacturing comfort systems, using the latest technology to ensure we provide the high level of quality you have come to expect from the Rinnai brand.

# Zoning made easy



## Control

ZonePlus™ allows total control of all zones in your home no matter where you are. Control different climate levels in different zones, optimise heating up and cooling down times, have total control of your comfort and energy use. Even switch zones off. You're in control.



## Climate

With ZonePlus™, choose your climate for any room in the house, from anywhere in the house. You have the flexibility to cater to everyone's ideal climate level anytime of the day.



## Comfort

Everyone's comfort levels are different and ZonePlus™ has taken this on board. No matter what your comfort level is, each zone is completely within your control. Rinnai Networkers in every zone allows easy management.

## Introducing Rinnai Zoning Solutions

### 1. 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 remote 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.

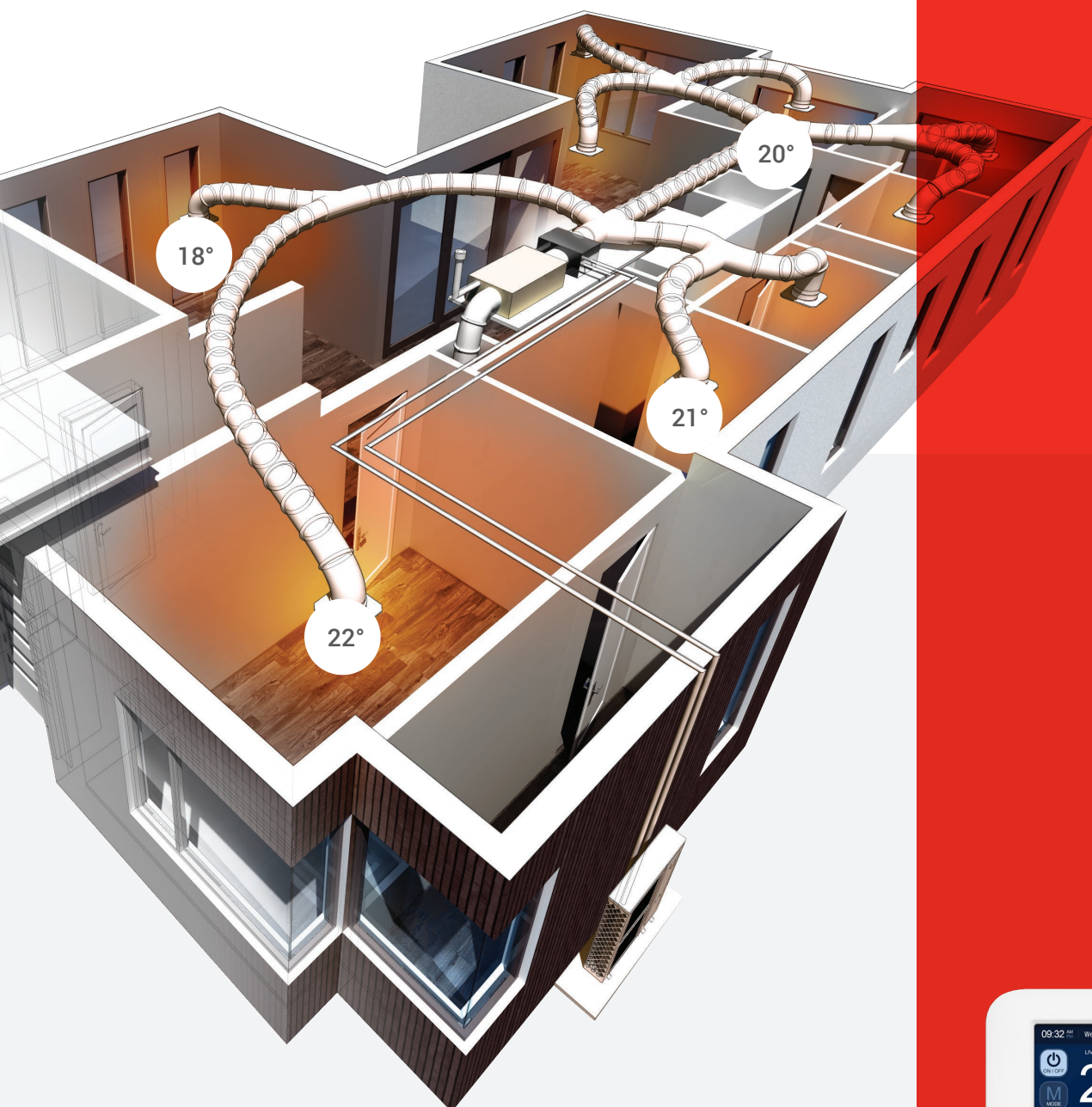
ZonePlus™ works in unison with any Rinnai SP Ducted Gas Heater with, 4, 5 and 6 star efficiencies. It can also operate your DualComfort™ system for the ultimate, integrated heating and cooling comfort control solution.

### 2. Rinnai Adaptive Zoning

Allows heating or cooling to be used with one Rinnai controller, 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.

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



## Benefits of ZonePlus™

### Reduce your energy costs

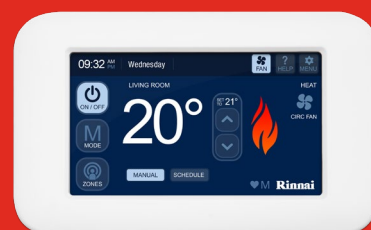
Switching off unused zones not only helps reach your set temperature faster, but will also save you lots on your energy bill. Adjusting your comfort levels moderately can also make big changes to your energy bill.

### Save money

A large home may require for example, a 20kW system, to effectively heat or cool the entire home. In consultation with a dealer, you may find that you will only ever use half your rooms at any one time – hence a 10kW system would suit. Providing a significant up-front cost saving and minimising running costs.

### Get more comfortable quicker

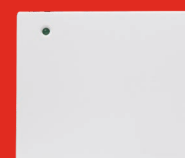
With the option of Rinnai controllers in every zone, you no longer need to rely on one central controller managing your entire home. Controlling your climate is only ever a few steps away. How convenient is that?



Rinnai Touch™



Rinnai NC6 Networker™



Remote Temp Sensor

# Next generation Classics

## Rinnai BX5 Series

The new Rinnai BX5 Heater has been designed based on the proven efficiency and reliability. The energy efficient 5 star BX5 is the perfect solution for replacing or upgrading your existing Brivis Buffalo. With savings of \$331\* on annual running costs compared to a standard Buffalo, the Rinnai BX5 is a simple upgrade choice. Your investment in the Rinnai BX5 star 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 and labour warranty



\*Energy savings are compared to a standard Buffalo. Running Cost Data is based on Australian Standard AS4556-2011. House Heat Load 0.2MJ/HR/m<sup>3</sup> 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 = 1.6 cents per MJ/HR). Savings based on Average House Floor Area for New Homes built in 1995, 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: ABS 1301.0 Year Book Australia 2005



# Controllers

## Rinnai Touch™

The Rinnai Touch™ is the latest innovation in climate control, allowing you to create total home comfort with pure simplicity.

The ability to control your Rinnai Ducted Gas Heater, Evaporative Cooler and Dual Comfort system is at your fingertips with the sleek Rinnai Touch™, high-resolution colour touchscreen controller. It's that simple.

## Rinnai NC6 Networker™

The NC6 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.



### Rinnai Touch™ Features

- Simplicity at its best
- Secure, 7 day programmability
- Customised zone control
- Status monitor and notifications
- ZonePlus™ compatible



# 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 Heaters<sup>1</sup>. 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

The optional 4 years parts and labour extended warranty is in addition to the standard 5 year Rinnai parts and labour warranty, and is available when you elect to participate in the Rinnai Service Advantage program.

The program is subject to terms and conditions, including registering your product with Rinnai and completing the scheduled servicing.

### Program Benefits

- Covers eligible Rinnai products irrespective of where they are purchased
- Factory-direct service; deal with the manufacturer
- Factory-trained, licensed technicians
- Comprehensive 'log book' type service
- Up to 9 years parts and labour warranty

## 9 years warranty\*\* (5 year + 4 year extended)

Made from premium materials and built to last, Rinnai provides a standard 5 year (10 year structural) parts and labour warranty on all Rinnai Ducted Gas Heaters plus an optional 4 years extended service warranty.



\*\*Conditions apply, visit [rinnai.com.au](http://rinnai.com.au) for full terms and conditions.



## We're at your Service

The National Customer Care Centre provides first class service and maintenance of your 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,  
8:00am to 5:30pm EST,

Monday to Friday.  
1stCare: 13 43 73



# DualComfort™



## Considering cooling? You should read this.

The Rinnai SP series of Ducted Gas Heaters provide the flexibility to seamlessly integrate a Brivis ICE™ (Integrated Cooling Equipment) refrigerated system, all while using the exact same ductwork and grilles - saving you both time and money. We call this technology DualComfort™.

The DualComfort™ whole of home Ducted Gas Heating and refrigerative cooling solution allows you to create that perfect feeling of comfort throughout your home. DualComfort™ provides both refreshing, refrigerated

cooling, or comfy gas heating. The technologies used in the DualComfort™ heating and cooling solution combines a StarPro series Ducted Gas Heater with Brivis ICE™ - and are a culmination of 50 years of Brivis heating and cooling experience in Australia.

## What makes DualComfort™ ducted air conditioning so attractive?

- Fully integrated gas heating and Brivis ICE™ refrigerated cooling system. The best of both worlds
- Staggered installation options allowing you to install heating first and cooling later, lowering your initial upfront cost
- Common ductwork and grilles for both heating and cooling to rooms, meaning low cost installation
- Flexibility to customise system for whole-of-home or zoned heating and cooling, meaning lower running cost
- Rinnai Touch and NC-6 Networker controllers have built in zoning functionality which is simple and easy to use

When installing a Brivis ICE™ Add-on refrigerated cooling system to an existing Ducted Gas Heating system, care must be taken to ensure the duct system is sized and designed correctly. If you are installing a heating system and plan to install Brivis ICE™ Add-on refrigerated cooling system at a later date, then ensure that you advise your dealer and they will size the system accordingly.

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





## 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

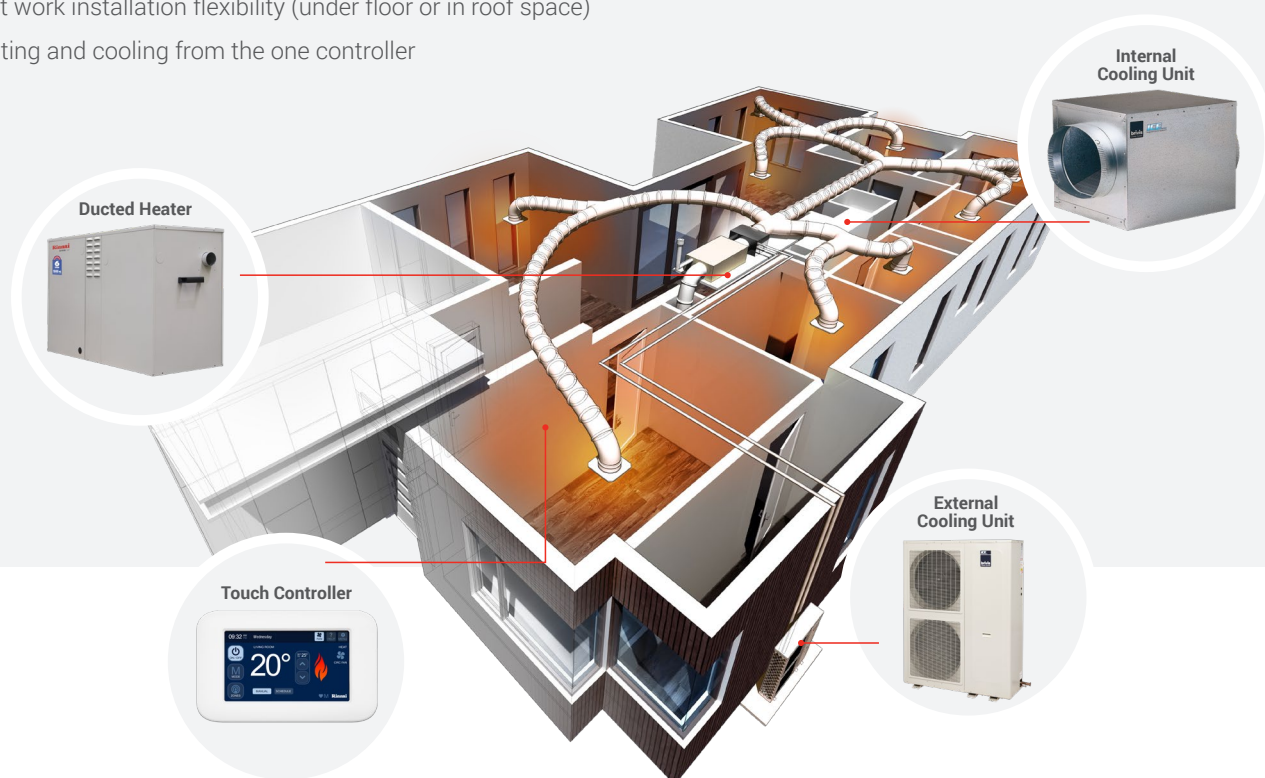
When the outside temperature drops close to zero the Ducted Gas Heater of the DualComfort™ heating and cooling solution outperforms electric reverse cycle systems. In colder weather, gas heating is more effective and more comfortable, as the heat output of gas appliances is not affected by low ambient temperatures, which is the case with reverse cycle systems.

## DualComfort™ product features

- ZonePlus™ compatible (StarPro 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

## 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 Brivis ICE™ ready



# Specifications<sup>\*</sup>

Rinnai Ducted Gas Heater	Star Rating	Capacity (kW)	Airflow (L/s) @ 100Pa ESP	Dimensions (L x W x H)	Net Weight (kg)	Available in LPG / ULPG
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RSP6 Series						
RSP615UN	6.0	15	630	991x428x658	62	-
RSP623UN	6.0	23	683	991x428x658	64	-
RSP623UN XA	6.0	23	723	991x428x658	64	ULPG
RSP630UN	6.0	30	1025	1083x550x707	86	-
RSP630UN XA	6.0	30	1055	1083x550x707	86	ULPG
RSP635UN	6.0	35	1103	1083x550x707	86	ULPG

RSP5 Series						
RSP521UN	5.0	21	740	991x428x658	61	-
RSP521UN XA	5.0	21	770	991x428x658	61	-
RSP530UN	5.0	30	1078	1083x550x707	80	-
RSP530UN XA	5.0	30	1138	1083x550x707	80	-
RSP535UN	5.0	35	1164	1083x550x707	80	-

RSP4 Series						
RSP415UN	4.1	14	555	845x397x775	65	-
RSP421UN	4.8	21	555	845x397x775	65	-
RSP430UN	4.2	30	953	923x549x644	84	-
RSP435UN	4.3	35	1041	923x549x644	84	-

Buffalo 5 Star Series						
RBX520	300mm base box	5.1	20	545	852 x 420 x 775	57
	350mm base box			609		
RBX526	300mm base box	5.0	30	972	1028 x 580 x 866	67
	350mm base box			1042		

Rinnai Ducted Gas Heater Compatibility (Table indicates maximum recommended add-on cooling capacity)						
		ICE™ Inverter			ICE™ Conventional	
Heater Range	10	13	15	17	18	22
RSP6U	RSP615U	RSP623U, RSP623U XA (Ext)	RSP623U XA (Int)	RSP630U, RSP630U XA, RSP635U (Ext)	RSP635U (Int)	
RSP5U	-	RSP521U, RSP521U XA (Ext)	RSP521U XA (Int)	RSP530U, RSP530U XA, RSP535U (Ext)	RSP535U (Int)	
RSP4U	RSP415U, RSP421U	-	RSP430U	RSP435U	-	-
RBX5	RBX520 XA	-	-	RBX526	RBX526 XA,	-
Int = Universal Unit Internal Application; Ext = Universal Unit External Application						
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.						

All Rinnai Classic heaters are Rinnai Networker NC6 & Touch compatible, but require an interface to be fitted at additional cost. Rinnai Touch & Networker NC6 not compatible with Brivis ICE™ Add-on refrigerated cooling systems on Rinnai Classic Heaters. Rinnai Classic heaters do not have on-board Add-On Cooling connections as standard.

# 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	17.1	21.1
	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	5.12	5.70
	AEER		3.12	3.20	3.12	3.13	3.33	3.70
ICE™ Outdoor Unit			DONSC10Z71	DONSC13Z71	DONSC15Z71	DONSC17Z71	DO-SC18Z9	DO-SC22Z9
Power Supply		V-ph-Hz	220~240-1-50				400~415-3-50	
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 @1m		dB(A)	61	62	62	62	61	61
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 x 450 x 1390	1258 x 450 x 1390
	Net Weight	kg	68.5	100	116	130	161	161
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	9.5	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	920	992
	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 x 549	680 x 627 x 542	777 x 748 x 549
	Net Weight	kg	31	31	40	42	36	41
Duct Connection (Outlet)		mm	Φ400	Φ450	Φ450	Φ450	Φ450	Φ500
Duct Connection (Inlet)			Φ400	Φ400	Φ400	Φ400	Φ400	Φ450
Condensate Drain Connection			20	20	20	20	20	20
Refrigerant Pipe Connections	Gas		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.

\*April 2018 - 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 are for illustration purposes only.

E&OE

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For further information visit

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or call 1300 555 545

**Rinnai**

**TOTAL HOME COMFORT**



**HOT WATER**



**HEATING**



**COOLING**