

Rinnai

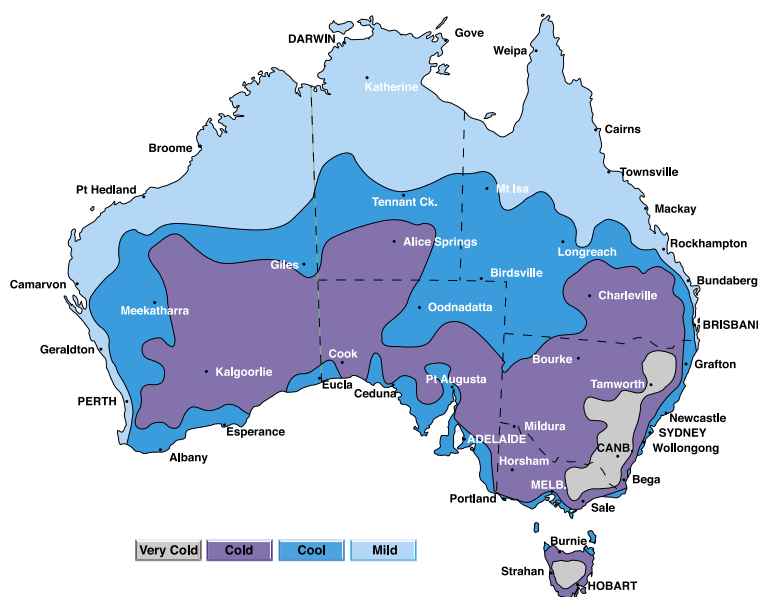
PORTABLE GAS HEATING



Rinnai
PORTABLES

step 1 climate

Pictured on the right is a climate map of Australia that shows four winter climate zones relevant to Rinnai heaters; Mild, Cool, Cold and Very Cold. It is important that you choose the correct zone that suits your application, as it directly relates to the performance of your heater. Detailed State maps can be found on the 'heater selector' page of our website: www.rinnai.com.au.



step 2 heating area

It is also important that you consider the size of the heating area. This includes adjacent rooms through permanently open doorways and hallways. In this brochure, on the back page, is the approximate maximum area that the unit will heat based on the climate zones (ie. Step 1).

step 3 heat loss

Not all homes will have all of the features listed in the table to the right. Consequently, this will affect the heating capacity. Place a ✓ alongside each of the design features if they are relevant to your home. Everywhere there is a ✓, an adjustment to the 'Heats up to' capacity will need to be made.

Please note that this is only a guide and individual house designs and locations may vary.

Contact the Rinnai Helpline if you require further assistance
1300 366 388.

www.rinnai.com.au

**calculate on-line
in 3 easy steps**

Calculate your selected Rinnai Heater's Capacity			
1. Selected Heater		4. 'Heats up to' Capacity (see back page)	m ²
2. Area/Zone		5. Less Heat Loss (see table below)	%
3. Total area you are going to heat (length x width)	m ²	6. Adjusted Capacity	m ²

↑ Your area should be less than the Adjusted Capacity ↑

✓ Heat Loss Factors			Deduct	Example
<input type="checkbox"/> No Ceiling Insulation	-15%		_____ %	
<input type="checkbox"/> No Wall Insulation	-7%		_____ %	-7%
<input type="checkbox"/> House built on stumps (not a slab)	-8%		_____ %	-8%
<input type="checkbox"/> No carpets on floors	-5%		_____ %	
<input type="checkbox"/> No drapes on windows	-10%		_____ %	
<input type="checkbox"/> Window area exceeding 15.0m ²	-15%		_____ %	
<input type="checkbox"/> Ceiling area exceeding 2.4m ²			_____ %	
If Yes, height 2.5 - 2.8m	<input type="checkbox"/> -3%		_____ %	
2.8 - 3.0m	<input type="checkbox"/> -6%		_____ %	
3.0m +	<input type="checkbox"/> -9%		_____ %	
<input type="checkbox"/> Reversible Ceiling Fan (positive)	+5%		_____ %	
HEAT LOSS FACTOR	TOTAL		_____ %	-15%

As an example, you wish to purchase a Blaze 21 Convecter, live in the 'Cool' zone, and have an area to heat of 70m². The recommended 'Heats up to' capacity for this model is 75m², however you also have no wall insulation and a house built on stumps. The heat loss total percentage is -15% (-7% + -8% = -15%) which is deducted from the 75m² (the capacity of your heater) as a % to reduce it to 64m². This will no longer heat your desired 70m². The next model up is the Avenger 25 Convecter with a 'Heats up to' capacity of 85m², less the 15% heat loss = 72m², which will adequately heat the area.

WHY CHOOSE A RINNAI PORTABLE GAS HEATER



REDUCE YOUR RUNNING COSTS

Rinnai portable gas heaters are very efficient, so they save you money. Independent tests are used to give star ratings to gas heaters – the more stars the better. The star ratings shown on the back of this brochure demonstrate that Rinnai portable gas heaters get a near perfect score when it comes to efficiency.

RINNAI'S UNIQUE ELECTRIC BOOST

The Rinnai Avenger 25Plus and Capella 18Plus provide an additional 2.0 kW of heat from an electric element. The thermostat automatically activates the electric boost whenever it's needed. You can even operate the heater on electricity only in a room that doesn't have a gas connection.

BETTER INDOOR AIR QUALITY

Rinnai portable gas heaters use the latest burner technology to give you the cleanest portable gas heating for your home. So clean in fact that our portable convection heaters produce less than half the allowed emissions of NO₂.[†]

ASSIST THE ENVIRONMENT

Gas is one of the most greenhouse-friendly fuel sources available. By choosing a portable gas heater you can make a difference.

EXTENSIVE RANGE

Rinnai has the largest range of portable heaters in Australia, including both convectors and radiant convectors. Available in platinum silver or white in either Natural Gas (NG) or Bottled Gas (LPG) versions.

WARRANTY

Rinnai have a 5 year warranty on the entire portable convector range, and a 3 year warranty on the radiant convector range.

GAS HEATING VS REVERSE CYCLE SPLIT SYSTEM AIR CONDITIONERS

Gas heaters are purpose built for optimum heating and air conditioners are designed for cooling, with heating as an extra. Mother Nature is hard to mess with and split system air conditioners will not win the battle against hot air that rises and cold air that sinks. This is why air conditioners and cooling vents mounted high on the wall or in the ceiling will never give you the same comfort level as gas heaters mounted near the floor where you live. For 'real' heating nature knows best.

For further information, please refer to our website www.rinnai.com.au and follow the link 'Gas Heating vs. Splits'.



CONVECTION HEATING



Avenger 25Plus or Capella 18Plus
Platinum Silver



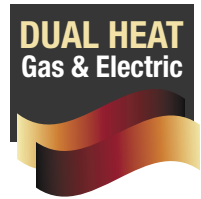
Avenger 25Plus or Capella 18Plus
Remote Control



Avenger 25Plus or Capella 18Plus
3 Metre Gas Hose & Power Cord

RINNAI'S UNIQUE ELECTRIC BOOST

The Rinnai Avenger 25Plus and Capella 18Plus provide an additional 2.0 kW of heat from an electric element. Under normal conditions, the heaters operate in the 'gas only' mode. When it gets really cold the 'gas/electric' mode is activated. The electric element cuts-off once the room has reached your desired temperature and the heater goes back to 'gas only' mode, being the most economical energy source. Should there be a sudden drop in room temperature, for example, a door being left open, the unit will reintroduce the electric element as a boost to quickly stabilise the temperature. In rooms where gas bayonets are not installed, such as bedrooms and bathrooms, the heater can be used in 'electric only' mode.



CLEAR THE AIR WITH RINNAI LOW EMISSION TECHNOLOGY

Rinnai portable convection gas heaters use the latest burner technology to give you the cleanest and most efficient portable heating for your home. So clean in fact that our portable convection heaters produce less than half the allowed limit of NO₂.[†]



[†]All portable gas heaters produce emissions. If a portable heater emits too much nitrogen dioxide (NO₂) it may cause respiratory irritation to sensitive people. To minimise this the Australian Standard for portable gas heaters (AS4553:2000) has an emission limit of 5 ng/J of NO₂. By law, all portable gas heaters must conform to this Australian Standard, Rinnai portable convectors are under 2.5 ng/J.



PORTABLE CONVECTOR FEATURES

- **Electric Boost.** Adds 2.0 kW of heat from an electric element for quick heat up and for use in rooms without a gas point.
- **Remote Control.** Featuring on/off function and temperature control.
- **Dual Programmable Timers.** Separate morning and evening timers that offer the convenience of fully automatic operation.
- **Dual Countdown Timers.** Program the next time you want your heater to turn on or off.
- **Low Emission Technology.** Produces less than 1/2 the allowed limit of NO₂.[†]
- **Economy Mode.** Gradually reduces the heat settings once the room has maintained the set temperature for 1 hour.
- **Thermostat.** For set'n'forget operation.
- **Safety Features.** Including child lock, safety tilt switch, clean filter warning and oxygen depletion sensor.

	Avenger 25Plus Capella 18Plus	Avenger 25 Blaze 21 Dynamo 15	Enduro 13
Electric Boost	✓	-	-
Remote Control	Large	Small	-
Dual Timers	Programmable	Programmable	Countdown Timer
Low Emission Technology	✓	✓	✓
Economy Mode	✓	✓	✓
Thermostat	✓	✓	✓
Safety Features	✓	✓	✓
Gas Hose	3m	1.5m	1.5m
Electrical Cord	3m	2m	2m



Avenger 25 or Blaze 21
Platinum Silver



Dynamo 15
White



Avenger 25, Blaze 21 or Dynamo 15
Remote Control



RADIANT HEATING



Titan 151
Platinum Silver



Glowray 480
Platinum Silver



Cosyglow 650 or Econoheat 850
Platinum Silver

RADIANT CONVECTORS

TITAN 151, GALAXIE 212 & GRANADA 252

- **Cosy Radiant Warmth.** Combined with a powerful fan.
- **Compact, Sturdy Design.** Makes it easy to move from room to room.
- **Electronic Automatic Ignition.** For guaranteed lighting every time.
- **Top Mounted Push Button Controls.** For ease of operation.
- **Variable Heat Settings.** Cater to your exact heating requirements.
- **Efficient Heating System.** 5.9 stars, reducing running costs.
- **Safety Features.** Including safety tilt switch, oxygen depletion sensor, flame failure safety system and dress guard.

COMPACT RADIANTS

GLOWRAY 480, COSYGLOW 650 & ECONOHEAT 850

- **Cosy Radiant Warmth.** Heat where you need it.
- **Compact, Sturdy and Lightweight Design.** Makes it easy to move it wherever you need quick cosy heat.
- **Cost Effective and Efficient.** Ideal for heating small areas and spot heating.
- **Hi-Lo Burner.** Giving dual heat settings, easily adjustable to suit your heating needs.
- **Reliable Internal Ignition System.** For easy lighting.
- **Safety Features.** Including safety tilt switch, oxygen depletion sensor, flame failure safety system and dress guard.



FLUED HEATING

Rinnai

Rinnai have a wide range of heating options and people who are sensitive to air quality issues should consider purchasing a Rinnai flued or power flued heater instead of a portable heater. All of these heaters have zero emissions into the room so air quality is not affected. The range includes:

ENERGYSAVER®

- **Unique Power Flue System.** Offers outstanding installation flexibility.
- **Thermostatically Controlled.** For set'n'forget operation.
- **Inbuilt Humidifier.** For increased comfort.
- **Dual Timer Function.** With intelligent preheating function.
- **Highly Efficient Heating System.** Reducing running costs.
- **Remote Control & Extensive Safety Features.**



Energysaver® 556FTR
White

FLAME FIRES

- **Realistic Flame Picture.** For ambience without the hassle.
- **Flexible Flueing Options.** Including power flueing.
- **Timer Function.** Program when you want your heater to operate.
- **Thermostatically Controlled.** For set'n'forget operation.
- **Powerful Heat Output.** Efficient heating option.
- **Remote Control.**



Aspiration Flame Fire
Metallic Black

SPACE HEATERS

- **Cosy Radiant Warmth.** With convection fan.
- **Sturdy and Reliable.** For long life.
- **Timer Function.** Program when you want your heater to operate.
- **Thermostatically Controlled.** For set'n'forget operation.
- **Powerful Heat Output.** Highly efficient, heating large areas and reducing running costs.
- **Electronic Automatic Ignition.** For guaranteed lighting every time.
- **Extensive Safety Features.**



Ultima II
Gunmetal Silver



Ultima II - Beige
















RINNAI AUSTRALIA PTY. LTD.

10-11 Walker Street Braeside VIC 3195

ABN 74 005 138 769

		telephone	facsimile
Technical HelpLine & Spare Parts	National (Mon-Fri 8.00am to 6.00pm EST)	1300 366 388	1300 300 141
Product Sales & Service	National	1300 555 545	1300 555 655
Brochure Request Line	National (Mon-Sun)	13 14 19	
Showrooms	Sydney (Mon-Fri)	62 Elizabeth Street Wetherill Park NSW 2164	
	Melbourne (Mon-Fri)	10 - 11 Walker Street Braeside VIC 3195	
	Adelaide (Mon-Fri)	40 - 42 Tikalara Street Regency Park SA 5010	
	Perth (Mon-Sun)	Home Base Expo 55 Salvado Road Subiaco WA 6008	

PORTABLE HEATING SPECIFICATIONS

Model	Dimensions (mm)			AS4553 RATINGS	Colours	Gas Input MJ/h		kW Output	'Heats up to' Capacity (m ²)			
	H	W	D			Low	High		Very Cold	Cold	Cool	Mild
 Avenger 25Plus (Gas & Electric)	570	610	245	 5.8 STARS  LESS THAN 2.5 NO ₂ emissions	White or Platinum Silver	8.5	25	8.2	70	83	113	128
 Capella 18Plus (Gas & Electric)	570	610	245			8.5	18	6.6	55	66	89	102
 Avenger 25	485	610	245			8.5	25	6.2	53	63	85	97
 Blaze 21	485	610	245			8.5	21	5.4	45	53	75	85
 Dynamo 15	495	490	245			6.0	15	3.8	32	38	52	59
 Enduro 13	495	490	245			6.0	13	3.3	28	33	45	51
 Titan 151	540	620	220	 5.9 STARS	Off White or Platinum Silver	7.5	15	3.7	31	34	46	53
 Galaxie 212	540	620	220			7.0	21	5.2	44	48	64	74
 Granada 252	540	620	220			8.0	25	6.0	52	57	76	87
 Glowray 480	375	400	265		Platinum Silver	4.5	8.5	2.1	18	20	27	31
 Cosyglow 650	405	440	250			5.5	11	2.9	23	28	37	42
 Econoheat 850	410	505	250			7.0	15	3.5	31	35	47	54

WARRANTY		CONVECTORS (Avenger, Blaze & Capella Only)		RADIANT CONVECTORS & COMPACT RADIANTS	
		Free Parts	Free Labour	Free Parts	Free Labour
	Heat Exchanger	10 Years pro-rata*	5 Years	10 Years pro-rata#	3 Years
	Fan	5 Years	5 Years	3 Years	3 Years
	All Other Parts	5 Years	5 Years	3 Years	3 Years

* Heat exchanger: full replacement parts cost in the first 5 years, reducing 20% per year thereafter.

Heat exchanger: full replacement parts cost in the first 3 years, reducing 15% per year thereafter.

Note: For the installation of portable heaters, it is advisable to check local authorities with regards to installation and ventilation requirements. This particularly applies to Victoria, South Australia and Western Australia. 240 V power is required on all models except the Compact Radiants. A power cord and plug is fitted. Dimensions are subject to production tolerances and may vary slightly from those given. Rinnai Australia Pty. Ltd. reserves the right to make modifications and change specifications without notice.

Phone 13 14 19 for a free brochure on the products listed below.

- Continuous Flow Hot Water
- Solar Hot Water
- Electric Hot Water
- Commercial Hot Water
- Outdoor Entertaining
- Flame Fires
- Space Heating
- Gas Clothes Dryers

Alternatively visit our website: www.rinnai.com.au or e-mail: enquiry@rinnai.com.au

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