

**How do  
I choose  
the right  
heater?**

**Heating Solutions made easy**

# GOLDAIR™



**Goldair has been creating innovative and affordable heating solutions for New Zealanders for nearly 30 years, and we're not stopping there.**

When you buy the right heater you'll save money on your power bill.

Goldair is making it simple for you to choose. We're getting rid of the jargon, losing the techno gobbledy-gook and bringing you a cheat-sheet to make life easier.

So what is the best way to beat the winter chills?

# Contents

Guide To The Guide & Helpful Tips	4-5
Ceramic Heaters	6-7
Fan Heaters	8
Micathermic Heaters	9
Panel Heaters	10-11
Oil Column Heaters	12
Convactor Heaters	13
Radiant Heaters	14
Electric Blankets	15
Dehumidifiers	16
Bathroom Heating	17
Quick Cheat Guide	18



Turn the page to  
find out more...

# Guide to the guide

## Room Type:



Personal – personal warmth



Small Room – small bedrooms, offices



Medium Room – bedrooms, small lounges & hallways



Large Room – lounges, large bedrooms & hallways

## Fixing Type:



Fixed – heaters designed to fix on walls



Portable – heaters that can be moved from room to room

## Cost guide:



Per hour – based on average 23c per kWh\*



Per month – average 30 day month<sup>+</sup>

DISCLAIMER: 18/02/11

\*Based on 0.23c per kWh being the average kWh price across New Zealand (Source Contact Energy Website)

<sup>+</sup>Based on 0.23c per kWh, average 3 hours per day for 30 days with a thermostat operating

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# Helpful Tips

## Heating tips

Select a heater that will heat your room faster and more efficiently. It is always better to get a larger heater than the room needs as this will heat the space quicker. Heating a cold room takes longer than a warm room, so fix drafts and heat loss areas around doors and windows. Don't waste your money heating the outside air.

- **Thermostats**

These allow the heater to register the ambient room temperature and switch the heater on and off automatically to maintain the set temperature.

- **Timers**

Leaving heaters on for too long can be a waste of money. A timer that switches the heater on or off automatically, will save you money. If your heater doesn't feature a timer, then separate timers can be used (check the manufacturer's recommendations).

- **Energy Meters**

A great tool that shows the level of 'energy/power' your heater is drawing and helps you monitor your energy use throughout the winter.



## Safety tips

- Be careful where you position your heater, there needs to be at least 1 metre clearance from curtains, furniture and even yourself.
- Do not use your heater to warm or dry clothes. Keep your clothes rack at least 1 metre from your heater.
- Do not to put heaters in high traffic areas; this will reduce the risk of them being knocked over.
- All homes should have smoke alarms installed. Never leave heaters unattended, especially when children are present.

Goldair recommends elto timers, energy meters and photoelectric smoke alarms.




# Ceramic heaters

Ceramic heaters are the most efficient form of fan based portable heating due to their ceramic element technology. The key feature of a ceramic heater is that it has no glowing parts and is therefore safer. Most units feature a thermostat, timer and oscillating function.









## Great For

- Small rooms
- Quick heating
- Personal warmth

## Our pick

 GCH200  
With thermostat



	Room type	Fixing type	Cost per hour*	Cost per month*
1500W				
1800W				

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Ceramic heaters come as portable or tower versions and are also available as wall mounted versions.

Tower and wall mounted ceramic heaters are more effective for heating rooms due to their size.

### Great For

- Medium to large rooms
- Limited floor space
- Quick heating

### Our pick

- ✓ GCH500  
Wall mounted with  
timer & remote



	Room type	Fixing type	Cost per hour*	Cost per month*
1800W	M	P	41°C	\$28
2000W	L	F	46°C	\$31

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# Fan heaters









Fan heaters are a cost effective personal heater, designed to provide instant heat for smaller spaces. Some fan heaters feature adjustable thermostats, timers and safety tilt switches.

## Great For

- Small rooms or offices
- Personal warmth
- Portability around the home

## Our pick

 GFH222  
With thermostat

	Room type	Fixing type	Cost per hour*	Cost per month*
2000W				
2400W				



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# Micathermic heaters

Micathermic panel heaters combine technology from both convection and reflective heating to efficiently heat air and surfaces. The faster a heater can bring a room up to temperature, the less power it uses, making it more eco-friendly.

A micathermic heater will usually reach its maximum heat output within 60 seconds and are also popular because of their quiet operation and no glowing parts making them really safe to use.

## Great For

- Medium to large rooms
- Quick heating
- Quiet operating

## Our pick



GMH200  
With thermostat & timer



	Room type	Fixing type	Cost per hour*	Cost per month*
1000W				
1500W				
2000W				

**eco**  
**FRIENDLY**

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# Panel heaters

Panel heaters are convection heaters and provide warmth based on the principle of hot air attracting cool air over a large panel surface. Air is drawn over the element and rises up through the unit and out the top through vents.

Panel heaters are typically wall mounted and provide efficient heating in lounges, hallways and bedrooms.

Panel heaters also make excellent complementary heaters when used in conjunction with heat pumps for secondary areas such as hallways and bedrooms.

## Great For

- Lounges, Hallways, & bedrooms
- Heat pump complementary heating
- Quiet operating

## Our pick



GPH300  
With 24hr/7 day  
programmable timer



	Room type	Fixing type	Cost per hour*	Cost per month*
1000W	S	F/P	23°C	\$16
1500W	M	F/P	35°C	\$23
2200W	L	F/P	51°C	\$34

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Aluminium radiator heaters warm the room through convection and radiant heating. The heater has two elements which distribute heat to the aluminium fins and air is also drawn up through the fins and out the vents.

This mix of heating methods distributes warm air throughout the room more evenly than a conventional heater.

### Great For

- Hallways & bedrooms
- Heat pump complementary heating
- Quiet operating

### Our pick

- ✓ GAR6  
With thermostat and timer



	Room type	Fixing type	Cost per hour*	Cost per month*
600W	S	F/P	14°C	\$10
900W	S	F/P	21°C	\$14
1200W	M	F/P	28°C	\$19

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# Oil Column heaters

Oil heaters work when hot oil circulates through the fins. The large surface area of the fins allows more heat to be transferred to the surrounding air. Oil column heaters are ideal for heating any kind of room.

Most models have 3 heat settings, thermostat control and a timer.

## Great For

- Small to large rooms
- Quiet operating
- Portability around the home

## Our pick



GOC2011TH  
With thermostat, timer  
& fan boost



	Room type	Fixing type	Cost per hour*	Cost per month*
1500W	S	P	35°C	\$23
2000W	M	P	46°C	\$31
2400W	L	P	55°C	\$38

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# Convector heaters

Convactor heaters provide warmth by pulling air over a heated element. When the heater is turned on the air is drawn over the element and rises up through the unit and out the top. To speed up the natural convection flow, some models include a fan.





## Our pick

 GCV355  
With thermostat  
& fan

## Great For

- Medium to large rooms
- Quiet operating
- Lightweight & portable



	Room type	Fixing type	Cost per hour*	Cost per month*
2000W				

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# Radiant heaters

Radiant heaters use quartz or halogen tubes which generate heat much like that produced by the sun. The heat rays are absorbed by you and other objects but the surrounding air is not heated. Radiant heaters provide instant heat and are ideal for personal heating. These heaters are particularly effective in draftier environments.









## Great For

- Personal warmth
- Ambience (warm glow)

## Our pick

 **GIR400**  
With fan boost



	Room type	Fixing type	Cost per hour*	Cost per month*
1200W				
2400W				

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# Electric Blankets

Electric blankets have a control unit that regulates the amount of power passing into the blanket which provides the warmth that is conducted through the fabric to warm the bed. Most electric blankets come with 3 or more heat settings.

Electric blankets are the cheapest form of personal heating and use between 50 and 80 watts of electricity. This is less than the power of a traditional light bulb.




## Great For

- Personal warmth
- Silent operating
- Low power consumption

## Our pick

- ✓ GFF Series  
With fleecy top and  
3 heat setting



	Room type	Fixing type	Cost per hour*	Cost per month*
80W				

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# Dehumidifiers

A dehumidifier reduces the level of humidity by using a small fan to draw damp air over a refrigerated surface. The water in the air condenses and drips into a collection bucket.

Dehumidifiers can extract up to 20 litres per day and some have an adjustable humidity control that can be set to your preferred level.

## Great For

- Damp or humid homes
- Personal well being

## Our pick



GD300  
With adjustable  
humidity control



The worldwide convention for rating the extractions levels of dehumidifiers is based upon ambient conditions of 80% humidity and temperature of 30°C. New Zealand does not have these climatic conditions so extraction rates will be lower.

# Bathroom heating

Bathroom heaters allow the air in a room to be heated which then reduces the condensation that can occur when steam mixes with the cool air. Bathroom heaters should be turned on prior to the shower being used.

Heated towel rails provide warm dry towels for personal comfort.

## Great For

- Reducing steam
- Warming towels

## Our pick



Heater GBH300 & towel rail GMT4



# Cheat sheet

Rank	Model	Average cost per hour*	Average cost per month*	Our pick
<b>Large Room Heating</b>				
1	2000W Electronic Micathermic Heater	\$0.46	\$31.00	GMH200
2	2000W Wall Mounted Ceramic Heater	\$0.46	\$31.00	GCH500
3	2000W Convectur Heater with Fan	\$0.46	\$31.00	GCV355
4	2200W Electronic Panel Heater	\$0.51	\$34.00	GPH400
5	2400W 11 Fin Oil Column with Timer & Ceramic Heater	\$0.55	\$38.00	GOC2011TH
<b>Medium Room Heating</b>				
1	1500W Micathermic Heater	\$0.35	\$23.00	GMH315
2	1500W Electronic Panel Heater	\$0.35	\$23.00	GPH300
3	2000W Ceramic Tower Heater with LCD	\$0.41	\$28.00	GCT340
<b>Small Room Heating</b>				
1	1000W Electronic Panel Heater	\$0.23	\$16.00	GPH200
2	1500W 7 Fin Oil Column with Timer	\$0.35	\$23.00	GOC207T
3	1800W Ceramic Fan Heater with LCD	\$0.41	\$28.00	GCH200
<b>Personal Heating</b>				
1	1000W Micathermic Heater	\$0.23	\$16.00	GMH400
2	1200W Radiant Heater	\$0.28	\$19.00	GIR200
3	2000W Upright Fan Heater	\$0.46	\$31.00	GFH222

Products have been ranked by technology advantages, average monthly cost to run and their ability to heat various room sizes

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ecosave

GOLDAIR

# panel heater



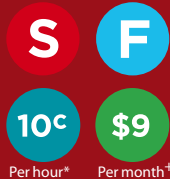
## Real warmth, real savings

Ecosave panel heaters use convection and radiant technology to draw cold air in and radiate warm air out, using less electricity than other room heaters.

Wall mountable and lightweight, they are easy to install and have a paintable surface to match any decor.

### Very economical

While other panel heaters can use up to 2000 watts, the ecosave only uses 425 watts



Per hour\*

Per month+

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**Kiwis love their Goldair**