



# Braemar – Australia's ultimate in natural ducted gas heating



Transforming global energy-efficiency  
into an art form!

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# Braemar brings you two more superstars

Braemar ducted gas central heating is Australia's leading gas heating range. Proudly manufactured by Seeley International in its factory in Albury, New South Wales, Braemar has been keeping Australian families wonderfully warm for more than 50 years.

The Braemar range features three, four, five – and now, six star heaters. Each heater delivers the product reliability and excellence for which the Braemar brand is renowned.



## New six star series

And now, Braemar brings you the **world's first and only six star ducted gas heater!** This innovation takes heating efficiency to a completely new level.



## New compact five star series

Braemar also offers the **world's first non-condensing five star ducted heating series...** a big five stars in a more compact cabinet, making installation easier.

# Some of Seeley International's awards...

- |  |  |
|--|--|
| <b>2011 Advantage SA – South Australian of the Year Award</b><br>Frank Seeley AM FAICD   | <b>2010 Australia's Best Manufacturing Magazine – Gold Award Manufacturing</b><br>Seeley International   |
| <b>2011 Australia's Best Manufacturing Magazine – Platinum Award for Supply-chain and Purchasing Excellence</b><br>Seeley International, Frank Seeley AM FAICD | <b>2010 Manufacturers' Monthly Endeavour Awards – Winner: Australian Consumer/Trade Product of the Year Award</b><br>Braemar TH5 ducted gas heater   |
| <b>2011 Manufacturers' Monthly 2011 Endeavour Awards – Finalist: Lifetime Achievement Award</b><br>Frank Seeley AM FAICD                                       | <b>2010 Manufacturers' Monthly Endeavour Awards – Finalist: Lifetime Achievement Award</b><br>Frank Seeley AM FAICD  |
| <b>2011 NSW GAS Awards for Excellence – Winner: Industry Category – Environmentally Sustainable Product</b><br>Braemar gas heating                             | <b>2009 GreenPlumbers – Finalist: Energy Efficient Product of the Year</b><br>Braemar Ecostar TH5 Star   |
| <b>2010 Family Business Australia – Winner First Generation Family Business of the Year (National Award)</b><br>Seeley International                           | <b>2008 GreenPlumbers – Winner: Energy Efficient Product of the Year</b><br>Awarded to the Braemar Ecostar ducted gas heating range by the Australian GreenPlumbers, (Master Plumbers Association) |



*"When you buy through an approved Seeley International dealer you benefit from their years of experience & knowledge."*



## Braemar – a better kind of warm...

No matter how cold it gets outside this winter, keep your home wonderfully warm with Braemar from Seeley International – Australia's most efficient range of ducted gas heaters.

Ducted gas central heating delivers natural whole-of-home heating – so your living areas, bedrooms – even your bathrooms – can be warmed, when you need them to be.

Plus, with our four, five and six star models, you can upgrade to our Spectrolink Multizone system for even greater flexibility and efficiency.

As well as offering the best range of gas central heating in Australia, Seeley International has a network of more than 300 experienced dealers, right around Australia. It's important to get the right heating model for your home and your lifestyle, as well as having the heating system designed and installed correctly. When you buy through an approved Seeley International dealer, you benefit from their years of experience and knowledge.

With a reputation for product quality, Braemar heaters are engineered to offer you the most advanced, reliable ducted gas heating systems on the market.

## How does ducted gas heating work?

A ducted gas heating system includes a number of essential components:

- The heater itself;
- Insulated ducts that carry air from and to the heater;
- Vents (also known as grilles or registers) that spread air into individual rooms and return air to the heater; and
- A thermostat.

Gas heaters work by passing cold air over a heat exchanger, which is warmed by gas combustion. The warmed air is then pushed through ducts into the home via a series of vents in the ceiling or floor.

A thermostat is installed in the main living area. This senses the air temperature inside the home and sends a signal to the heater to cycle on, or off, to maintain the desired temperature.

The products of combustion are all discharged safely outside the home, via a flue.



### Customer testimonial

"After having a Braemar wall furnace for 37 years I never contemplated another brand when I looked at ducted heating - Braemar you have always been trustworthy and most reliable."  
– Dawn, Victoria

For more testimonials, visit [www.braemar.com.au](http://www.braemar.com.au)

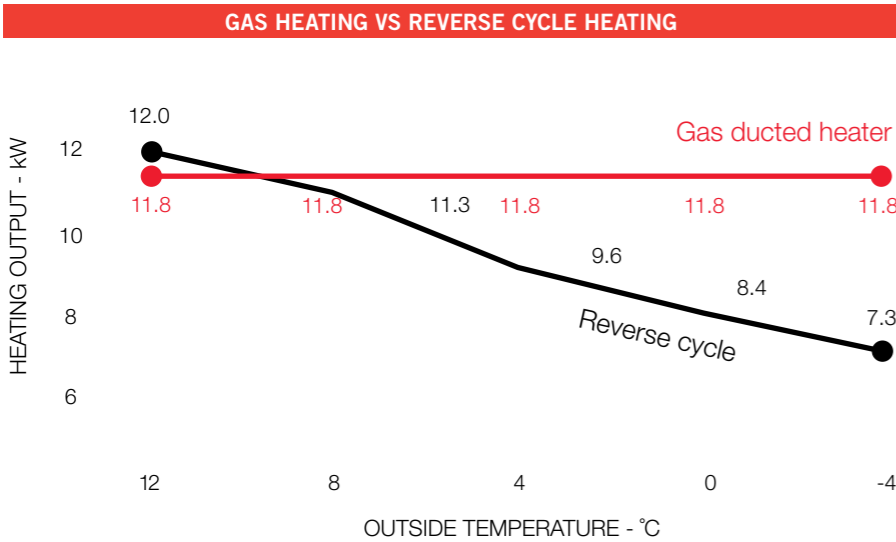
Why is ducted gas heating better?

In most areas, electricity costs are rising faster than gas, so natural gas heating offers a cost-effective alternative. Plus it's kinder to the environment, as it produces fewer greenhouse gas emissions than most other forms of heating.

In fact, Australian Gas Association research found that gas ducted central heating produced just one third of the emissions of heating produced by black coal-generated electricity. (Source: Assessment of Greenhouse Gas Emissions from Natural Gas, Australian Gas Association, 2000).

Gas heating has the edge over reverse cycle when it comes to performance, too. When it gets really cold outside, reverse cycle systems lose efficiency, while Braemar ducted gas systems keep your home as warm as you want it – no matter how cold it gets outdoors!

Gas heating provides constant heat output regardless of the outside temperature



Source: S.E.A.V. 2004 Annual Heating Cost Comparison.

“When it gets really cold outside, reverse cycle systems lose efficiency, while Braemar ducted gas systems keep your home as warm as you want it – no matter how cold it gets outdoors! ”





*“The world’s first – and only – six star heating range, AND the world’s first – and only available – recognised non-condensing five star heating range.”*

## The newest stars from Seeley International

Seeley International is proud to introduce two new product ranges that represent a significant breakthrough for the industry. Building on our history of product innovation and “firsts”, we have now launched the **world's first six star ducted heating range** and the **world's first non-condensing five star** ducted heating range.



### Six star ducted gas heaters – the highest efficiency yet

The new Braemar six star range is the first in the world to break the six star barrier. We’ve cleverly redesigned our heaters so they can now deliver far greater efficiency.

When you consider that each additional star means 10-15% in energy savings, that’s big news for the environment and for Australians.

Come and see this fantastic new technology for yourself!



THM6 6 star heater range



### New five star range – in compact form

Our new five star range is non-condensing, which means the heater cabinet is one third smaller than other five star heaters – and that means it’s much easier – and therefore cheaper – to install.

Other five star heaters need to have drains, so that the condensate created by the heating process can be drained away.

Our new technology means we can now also deliver a five star rating without producing condensate, so there is no need for that drain – and the size of the cabinet can shrink, by one-third.

Now you have an easier, cheaper way to get five star efficiency!



THM5 compact 5 star heater range

*“With a reputation for product quality, Braemar heaters are engineered to offer you the most advanced, reliable ducted gas heating systems on the market.”*



## About Braemar

Braemar has a long history of developing clever, reliable products that stand apart from all the rest. Today, Braemar is still proudly Australian-owned, designed and manufactured.

Because we've been making heaters for so long, we have proven processes, so you can be confident that the heaters coming out of our factory will work – and work for years.

## Product range

### 6 star range



- Highest star rating available
- Lowest running costs
- Zone heating capable
- Softair™ for greater comfort
- Corrosion-resistant heat exchanger

### 5 star non-condensing range



- Outstanding efficiency
- Very economical to run
- Zone heating capable
- Softair™ for greater comfort
- Corrosion-resistant heat exchanger

### 5 star range



- Outstanding efficiency
- Very economical to run
- Zone heating capable
- Softair™ for greater comfort
- Corrosion-resistant heat exchanger

### 4 star range



- High efficiency
- Economical to run
- Zone heating capable
- Softair™ for greater comfort

### 3 star range



- Value for money
- Easy to operate
- Proven reliability
- Softair™ for greater comfort

At Braemar, we continually strive to enhance and improve our products. Accordingly, some specifications may change without notice. Please check with your Braemar specialist to ensure that specifications of the selected model meet your requirements/expectations.

## Why is Braemar better?

Engineered for excellence, the Braemar ducted gas central heating range has a long list of brilliant benefits for easier and more efficient operation.



### Spectrolink™ controller convenience

The Spectrolink Multizone controller provides you with simple control options over every function of your Braemar gas central heating system. This includes:

- Regulating the temperature and fan speed throughout your home in up to four different temperature zones (zones are optional)
- Temporarily over-riding settings
- Automatically turning zones on or off, up to four times each day
- Operating refrigerated integrated cooling or Seeley International evaporative cooling – using a single controller

### Home/Away setting

Sometimes things change – for example, you are home on a day that you would normally be at work. With the Home/Away button, you can temporarily override your standard settings – suspend the normal program cycle, switch the heating on or off earlier than usual or change zone settings – all with one simple press of a button.

You don't need to reprogram anything – another press of the Home/Away button will return the system to its previous settings.



### InShot Burner™

The InShot Burner™ shapes the flame for maximum heat, minimising gas wastage for higher efficiency. The burners are made of long-life aluminised steel, reducing maintenance requirements.

### Combustion inducer fan

Using leading-edge bearing, motor-cooling and speed control technologies, Braemar's combustion inducer fan draws all combustion gases through the heat exchanger and expels them safely outdoors. It's designed for ultra-safe, quiet operation.

### Electronic ignition

Microprocessor controlled electronic ignition eliminates the need for a pilot light. It manages the gas ignition system and the fan controller system, ensures dependable ignition and monitors all heater, flame sensor and safety functions.

### Softair™ fan system

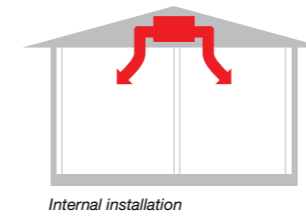
Exclusive to Braemar, the Softair™ function delivers continuous warm air and ensures no cold draughts.

### Ecostar Tri-Action™ heat exchanger

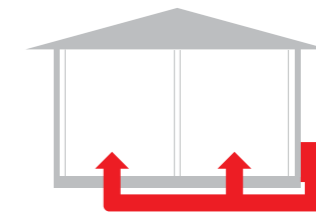
This comes standard on all TH5 five star and THM6 six star heaters delivering maximum heat transfer in minimum space, it features a "no-weld" tubular design for maximum durability and long-life corrosion-resistant construction.

### Multi-level safety controls as standard

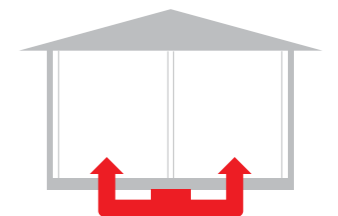
We don't just care about keeping you warm – we care about keeping you safe, too. That's why all Braemar heaters have numerous layers of safety points to protect you at all times.



Internal installation



External installation



Underfloor installation

### Flexible installation

With Braemar ducted heating, you can install the heater in the roof, under the floor, or outside the house, with ducts in the ceiling or under the floor.

### Easier installation

Seeley International's two-piece heater has been a runaway hit! This modular construction means the heaters are much easier to install. In many cases, they can be put into the ceiling space via the manhole – without the cost of making a hole in the roof to get the heater in.

Also, the heater cabinet is specially designed for a quick-change panel arrangement. Your installer can interchange the panels to suit various inlet and outlet requirements.



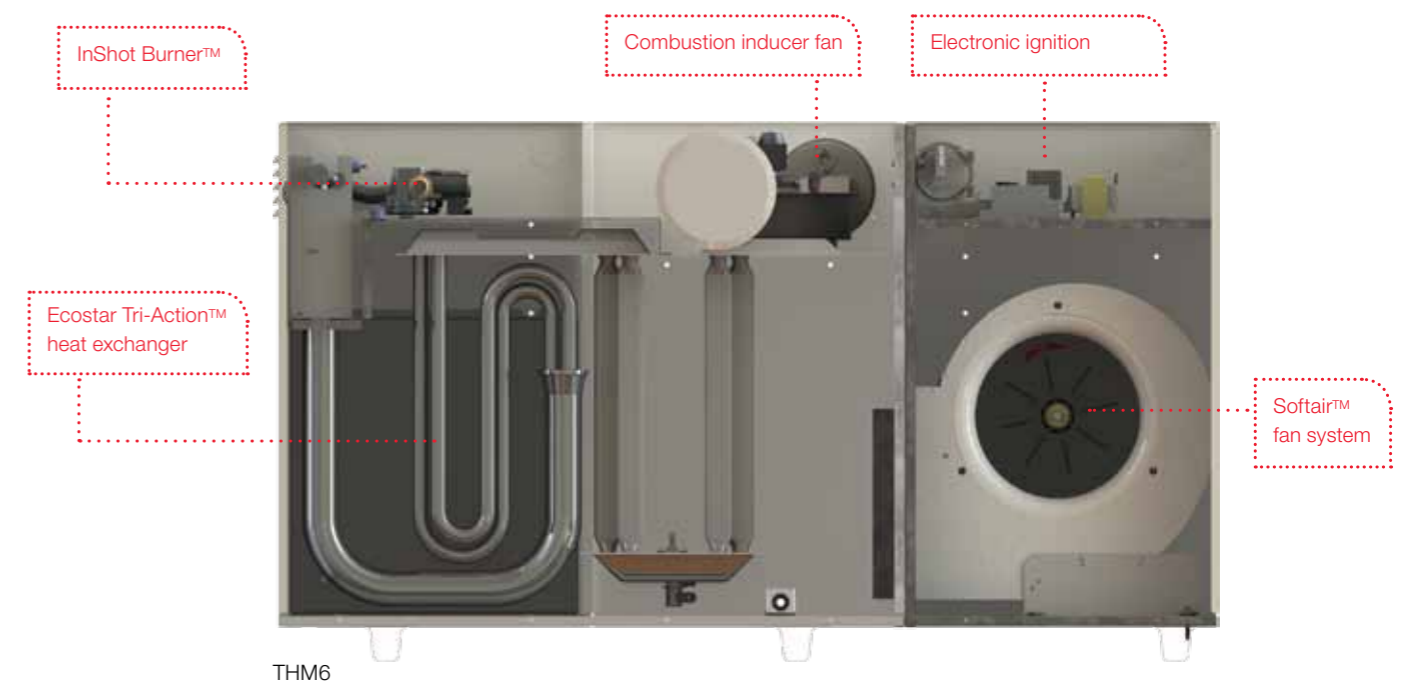
### Quiet heating

Braemar is designed to work as quietly as possible, by distributing warm air via a series of ceiling or floor ducts – quickly, effectively and without fuss.

### IMPORTANT

Remember to always use qualified, licensed installers who have been trained to install Braemar products.

While Seeley International stands by its product quality, a poorly installed product may not operate properly and can even be dangerous. So be sure to buy your product from a reputable dealer (visit [braemar.com.au](http://braemar.com.au) or call 1300 360 815 to find a dealer) and make sure your installer is fully qualified and trained.



THM6

*"I am proud to buy an Australian made, Australian owned quality product which is energy efficient and value for money, backed by the guarantee. This is my second similar type of purchase."*  
 – Tim, Victoria



## Zoning options

Braemar ducted gas heating offers two zoning options:

- Standard zoning, with a single Spectrolink controlling a common zone, plus up to four additional zones.
- Spectrolink Multizone zoning, with a separate Spectrolink controller in each of up to four zones, allowing you to have different temperatures, and different user-programmed automatic operating times, in each zone.

### Standard zoning

With standard zoning, one Spectrolink controller manages a common zone, as well as up to four additional zones. Heating can be turned on or off in each of the zones – great for saving money by not heating areas you aren't using.

### Spectrolink Multizone, for outstanding control and efficiency

If you're looking for even greater efficiency, you can upgrade to the Spectrolink Multizone system (upgrades are available with all four, five and six star systems). Remember that it's easier and more-cost effective to do this when the system is first installed.

With this clever zoning option, you can have different temperatures in up to four separate zones. So the living areas can be warmer than the bedrooms – and you can even switch zones off completely, saving money. Each zone has its own Spectrolink controller (hardwired to the wall), giving you total control over the individual comfort levels throughout your home.

If you're interested in upgrading to Spectrolink Multizone, we recommend talking to your experienced Seeley International dealer. They will work with you to plan the zoning system so it best suits your needs and lifestyle.



# Braemar integrated cooling systems

Cooling systems specifically designed to complement your new or existing\* Braemar gas heating system, for year round comfort

## Braemar heating has found its perfect match

Australians have been coming home to the wonderful warmth of Braemar gas heating for more than 50 years.

Now, you can be comfortable all year round with Braemar's integrated cooling system. This system is specially designed to use the same ductwork and grilles as Braemar ducted gas heating – which makes installation and operation easier. You can add Braemar integrated cooling to existing\* Braemar gas heating systems, as well as new installations. Ask your dealer for details.

## One heater, one cooler, one control

You can have year round heating and cooling, using one controller – the Braemar Spectrolink Control. All Braemar four, five and six star ducted gas heating systems offer you the ability to heat up to four different zones to different temperatures.

Now, using a Braemar TH4, TH5, THM5 or THM6 star extra air series ducted gas heater with Braemar integrated cooling, you can have different cooling temperatures in up to four different zones, too. You can even choose to just cool one zone - enhancing your comfort and helping reduce your power bills.

Braemar integrated cooling units are compact, economical to run and use R410A refrigerant, which is less harmful to the environment than some other refrigerants.



## Choices to suit you

There are three models of Braemar integrated cooling with rated capacities of between 10.8kW and 18.0kW to suit heaters delivering nominal airflows of between 700 l/s to 1,060 l/s (as shown in the table below).

## Backed by the strength of Seeley International

Like all Braemar products, Braemar integrated cooling systems are backed by Seeley International's renowned service and support. With a network of experienced dealers and service agents throughout Australia, you can be confident that, when you're buying a Seeley-backed product, you're buying excellence and reliability.



Indoor coil



Outdoor unit

## Braemar integrated cooling rated capacity v airflow

Indoor Coil	Outdoor Unit	Nominal Air Flow	Rated Capacity
Y3500	Y3000	740 l/s	11.5 kW
Y3510	Y3010	740 l/s	13.0 kW
Y3520	Y3020	1060 l/s	18.0 kW
Y3500	Y3000	700 l/s	10.8 kW
Y3510	Y3010	820 l/s	14.1 kW

*\*Applicable to installations where airflow requirements and duct design are suitable. Only available with the Spectrolink controller.*

# Braemar evaporative cooling



## So Clever

The ultimate in home cooling, Braemar uses the natural power of evaporation to deliver lots of fresh, cool air - with incredibly low running costs. Plus, it includes lots of clever features – such as the AUTOWinterseal™ and automatic drain valve - to reduce the need for seasonal maintenance.\*

Braemar was the first evaporative cooler to integrate the water distribution system into the cabinet, delivering even better performance through even and reliable water coverage of the Chillcel pads, with no clogging. Now that's clever!

You can operate your Braemar heating and cooling using one controller – the Spectrolink Control.

## So Quiet

Braemar is renowned for its whisper-quiet operation, thanks to the state-of-the-art Stealth® fan that delivers a constant, even flow of air over the Chillcel pads. This is arguably the quietest axial air cooler in the world!

## So Cool

When it comes to delivering powerful cooling performance during even the harshest Australian summer, Braemar has no peer. Every part of the Braemar cooler is designed to deliver maximum cooling performance with minimum energy and water consumption. With decades of air conditioning experience, superior design and advanced technology, Braemar coolers will deliver wonderfully cool comfort – even during the hottest heatwaves.

For more details about Braemar evaporative cooling, visit [braemar.com.au](http://braemar.com.au) or ask your Seeley International dealer.

*\*Seasonal maintenance is the time consuming routine required by some other units. Ask your dealer for a complete rundown. Seasonal maintenance does not replace regular maintenance of the unit as required for peak performance.*

- Fresh, healthy air
- High energy efficiency
- Low running costs
- Whisper-quiet cooling
- Environmental benefits
- Whole of home cooling
- So easy to use
- Trusted Australian company
- Built to out-last
- Superb engineering
- Elite Seeley International dealership network

## The right choice for the environment

Evaporative coolers consume only a small proportion of the energy consumed by other comparable systems. By choosing energy-efficient appliances that consume less power, you can help the environment to reduce the amount of greenhouse gases generated by power stations. Evaporative coolers contain no harmful refrigerants. Many of the gases used in refrigerated air conditioners are potent synthetic gases like hydrofluorocarbons and some are also ozone depleting.

How to choose a system



- When choosing a heating system, think about these things:
- Your budget for installation and running costs (higher efficiency heaters can cost more to install but cost less to run);
  - Whether you would like zoning and, if so, what type and where the zones should be;
  - The size and structure of your home; and
  - How often you are likely to be using your heating system.

Then, talk to one of Seeley International's experienced dealers. They have the know-how to design a system specifically for your home and lifestyle. To find a Seeley International dealer, visit [braemar.com.au](http://braemar.com.au) or phone 1300 360 815.

Make sure to use a licensed, qualified installer who is trained to install Braemar products. There's no point in buying the best product around if it's not installed properly!

Warranty

Every single Braemar unit is made from premium grade materials and supported by a comprehensive factory-backed warranty.

While our engineering and quality control procedures mean we don't think you'll ever need to use it, our warranty is there for your protection... and peace of mind.

5 YEAR GENERAL WARRANTY

10 YEAR HEAT EXCHANGER & BURNER WARRANTY

**Rebate Programs:**  
Visit [www.braemar.com.au](http://www.braemar.com.au) and click on promotions for a complete list of energy efficiency rebates available with high efficiency ducted gas heating.

Specifications and benefits

	Model	Dimensions			Weight	Rating	Capacity	Airflow		Output	Controller type	
		Length	Width	Height				Standard	Extra Air*		Manual digital	Spectrolink
		mm	mm	mm	kg	Stars	MJ/hr	litres/sec	@100Pa	Diameter mm	kW	
6 star range	THM618	1150	385	660	58	6.0	70	500	-	300	17.9	- standard
	THM623	1150	385	660	61	6.0	88	640	-	300	22.5	- standard
	THM6X23	1150	385	660	61	6.0	88	-	755	350	22.5	- standard
	THM632	1165	510	660	73	6.0	122	935	-	350	31.2	- standard
	THM6X32	1165	510	660	73	6.0	122	-	1070	400	31.2	- standard
5 star non-condensing range	THM516	770	385	660	47	5.2	70	475	-	300	15.90	- standard
	THM520	770	385	660	50	5.2	88	630	-	300	20.0	- standard
	THM5X20	770	385	660	51	5.2	88	-	695	350	20.0	- standard
	THM530	880	510	660	70	5.2	122	960	-	350	27.8	- standard
	THM5X30	880	510	660	70	5.2	122	-	1050	400	27.8	- standard
5 star range	TH516	1150	385	660	58	5.6	60	500	-	300	16.0	- standard
	TH523	1150	385	660	61	5.6	88	640	-	300	23.0	- standard
	TH5X23	1150	385	660	61	5.6	88	-	755	350	23.0	- standard
	TH532	1165	510	660	72	5.6	122	935	-	350	32.0	- standard
	TH5X32	1165	510	660	72	5.6	122	-	1070	400	32.0	- standard
4 star range	TH415	770	385	660	47	4.7	60	475	-	300	14.0	- standard
	TH420	770	385	660	50	4.7	80	630	-	300	18.0	- standard
	TH4X20	770	385	660	51	4.7	80	-	695	350	18.0	- standard
	TH425	770	385	660	54	4.7	100	755	-	350	23.0	- standard
	TH4X25	770	385	660	54	4.7	100	-	810	350	23.0	- standard
	TH430	880	510	660	70	4.7	122	960	-	350	28.0	- standard
	TH4X30	880	510	660	70	4.7	122	-	1050	400	28.0	- standard
	TH435	880	510	660	70	4.7	153	1050	-	400	35.0	- standard
	TH315	770	385	660	47	3.7	60	475	-	300	14.0	standard optional
3 star range	TH320	770	385	660	50	3.7	80	630	-	300	18.0	standard optional
	TH3X20	770	385	660	51	3.7	80	-	695	350	18.0	standard optional
	TH325	770	385	660	54	3.7	100	755	-	350	23.0	standard optional
	TH3X25	770	385	660	54	3.7	100	-	810	350	23.0	standard optional
	TH330	880	510	660	70	3.7	122	960	-	350	28.0	standard optional
	TH3X30	880	510	660	70	3.7	122	-	1050	400	28.0	standard optional
	TH330	880	510	660	70	3.7	122	-	1050	400	28.0	standard optional

\* Extra air models are designed to have Braemar integrated refrigerated cooling added.

Features/benefits	6 star	5 star	4 star	3 star
Spectrolink™ controller*	✓	✓	✓	✓
Manual digital				✓
Optional zoning up to four areas	✓	✓	✓	
Multiple temperature control (with zoning)	✓	✓	✓	
Multiple controls	✓	✓	✓	
Home and Away function	✓	✓	✓	✓
Flexible operation (run at 25% of full capacity)	✓	✓	✓	
Programmable settings	✓	✓	✓	✓
Manual operation	✓	✓	✓	✓
Softair™ function	✓	✓	✓	✓
10 fan speed settings	✓	✓	✓	
Thermostatically controlled	✓	✓	✓	✓
Colorbond® cabinet	✓	✓	✓	✓
Internal models	✓	✓	✓	✓
External models	✓	✓	✓	✓
Inshot burner	✓	✓	✓	✓
Technologically advanced heat exchanger	✓	✓	✓	✓
Single point ignition	✓	✓	✓	✓
Self diagnostics	✓	✓	✓	✓
Operate cooling	✓	✓	✓	✓
Back-lit controller	✓	✓	✓	✓
Electronic ignition	✓	✓	✓	✓
Electronic flame sensing	✓	✓	✓	✓

✓ Benefits available with all controllers  
✓ 3 star product benefits only available with Spectrolink Multizone Controller  
\*Spectrolink controller has reduced functionality on 3 star units



Manual digital controller      Spectrolink controller

## SEELEY INTERNATIONAL

Seeley International is Australia's largest air conditioning and ducted gas heating manufacturer and a global leader in developing ingenious, energy-efficient cooling and heating products.

**Our vision is to lead the world in creating climate control solutions which continue to be highly innovative, of premium quality and inspirational in their delivery of energy-efficiency.**

But it's more than just a vision... it's a way of life!

A commitment to innovation and excellence is at the heart of all that we do. Our success in delivering on that commitment has been recognised by our many awards and our expanding global presence. Seeley International now exports to well over 100 countries. Not bad for a company that started out in 1972 in the garage of its founder and Chairman, Frank Seeley AM FAICD, who was named South Australian of the Year for 2011!



\*Haier air conditioning products are proudly distributed by Seeley International throughout Australia.

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