



Heating and Cooling Guide





Luxurious **home comfort**
to enhance your everyday

Why choose Lennox™

We're glad you asked! Why should you buy luxury Lennox home comfort equipment?

It's simple, our four core principles make Lennox unique.

Heritage, Innovation, Quality, Choice

Fulfilling each of these principles on a day to day basis helps us deliver extraordinary value to all our customers all the time.

The Luxury of Heritage

For over 115 years Lennox has helped keep homes and businesses comfortable. Since 1895, the Lennox name has remained strong and withstood some drastic changes to the home comfort industry. This stability means that we stand behind our product. You can rest assure that we will be there when you need us, continually providing innovative, quality products and service.

The Luxury of Innovation

When you choose Lennox, you get more than just a piece of equipment. You get a complete luxury system from a manufacturer that is committed to providing you the best in quality home comfort. As air conditioning and heating specialists, Lennox products will always deliver the latest technology. Every Lennox product benefits from our knowledge of how to make luxury comfort equipment, more reliable and more efficient.

The Luxury of Quality

Lennox has long enjoyed a reputation for having exceptional product quality. The stringent testing and meticulous quality control performed throughout every stage of the production process plays a major role in the delivery of the unparalleled reliability and longevity of Lennox.

The delivery of quality products is well supported by the high service performance provided by our independent Lennox Premier dealers.

The Luxury of Choice

Lennox systems offer you the luxury of choice. The choice of temperature within your home, when and where you want it, the choice of optional extras to suit your specific needs and the choice of adding to your system further down the track. The choice is yours.



Lennox manufacturing plant Stuttgart, Arkansas

115 Years of Lennox – a snapshot of our innovations

- 1895** The first company to manufacture steel furnaces, providing safe durable home heating
- 1953** First to test-fire (start up and test) every furnace produced
- 1958** First to manufacture commercial systems (the Powersaver® packaged unit) that used outside air for cooling through what is now known as an economiser
- 1973** First to manufacture a two-speed hermetic compressor, increasing energy savings in residential and commercial air conditioning
- 1982** First to manufacture a 90% plus AFUE (Annual Fuel Utilisation Efficiency) gas furnace with the Pulse™ furnace, which established the high – efficiency heating market.
- 1988** First to manufacture a split-system heat pump incorporating scroll compressor technology
- 2002** Lennox develops the first air purification system



Lennox™ makes choosing a Total Home Comfort System simple

Here's a simple checklist to help guide you through the important decision of providing home comfort to you and your family.

Determine your comfort needs

Everything that goes into a Lennox home comfort system is engineered to bring you perfect temperature and humidity, plus energy savings you can see every month on your energy bills.

Gas Heating

Lennox heating products include gas furnaces with some of the highest efficiency ratings in the business. Energy saving technology like variable speed motors also enhances comfort, creating the perfect balance of temperature and humidity in every room of your home.

Heating and Cooling

Lennox offers reverse cycle air conditioners, window units and ducted split systems with varying capacities to suit every application. Add-on cooling units that complement your gas ducted heating are also available and provide year round efficient climate control.

Indoor Air Quality

When the quality of the air you breathe is important, select a Lennox home comfort system complete with an air purification system or humidifier.

Determine what's Important to you

Energy Efficiencies

A significant portion of home energy costs come from heating and cooling. By choosing energy efficient products, you will significantly reduce your energy bills.

Temperature Control

Thanks to Lennox innovation, control is easier than ever. With programmable thermostats and zoning systems, it's possible for you to feel perfectly comfortable at home while still saving money.

Capacity

Lennox units vary in capacity to match your room or application requirements. Purchasing the correct size unit will guarantee you adequately heat or cool your room without wasting energy and money.

Quiet Operation

Through advancements in technology and modern design, Lennox units are designed to operate quietly so you won't know they're there.

Humidity Control

There's a fine balance to getting humidity levels right in your home, so the air is not too moist or too dry. That's where a whole-home humidifier comes in.

Determine the Application

Consider the application and where your Lennox unit will be installed. This will influence the features that are important to you. Quiet operation will be critical to a bedroom installation, whereas high capacity will be important for a living room or

large home installation. Internal or external installations and space constraints will impact the type of furnace and add-on cooling unit you purchase. Your Lennox Premier dealer will assist you with your selection to ensure you make the right decision.



Select a Dealer with Confidence

When you turn to a Lennox Premier Dealer for your home heating, cooling and air quality needs, you can feel confident you've made the right choice. That's because Lennox dealers are dedicated to meeting and exceeding your expectations. That means rising to the occasion every time you call, no matter what your comfort concern.

Among the things you can expect from your Lennox Premier Dealer include:

Commitment to your satisfaction

Lennox dealers realise actions speak louder than words. So instead of talking about quality, they practice it through listening, learning and responding to your needs.

Prompt, courteous and professional service

Many Lennox dealers provide an extra measure of convenience with extended hours, emergency service and year-round maintenance programs.

Innovative product offerings

Lennox dealers offer a variety of innovative products and services to make your home more comfortable. They are also able to provide suggestions for saving money on your energy bills and improving the quality of the air you breathe.

Technical expertise and certification

Lennox dealers have technicians on hand who can select the right equipment for your home, install it properly and keep it in good working order.





The luxury of efficiency



Star Ratings

The star rating for air conditioners is determined differently to other appliances. For air conditioners, the measure of energy efficiency is the Energy Efficiency Ratio (EER) for cooling and the Coefficient of Performance (COP) for heating. The EER and COP are simply the capacity output divided by the power input.



MEPS Compliance

Since October 2004, all single phase air conditioners have been required to meet Minimum Energy Performance Standards (MEPS), which specifies the minimum level of energy efficiency for these products. Units that do not meet the minimum efficiency standard are prohibited for sale in Australia. All Lennox air conditioners not only meet the MEPS requirements, they exceed them.

Revised MEPS levels were introduced in April 2010 and were upgraded in October 2011. You can find details of the current and future MEPS levels for air conditioners at www.energyrating.gov.au.



Gas Energy Ratings

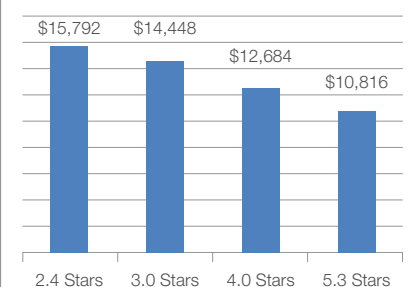
New domestic gas ducted furnaces carry an Energy Rating Label that gives a guide to their efficiency. A gas ducted furnace that meets the Australian Gas Association minimum performance level gains one star. Each additional star represents an approximate 10% energy saving. The more stars, the more energy efficient the heater.

The figure in the red box shows the annual amount of gas in megajoules (MJ) the unit uses to heat a cubic metre (m³) of space each year[†]. The lower the number the more energy efficient the heater and the less gas it will use.

Did you know that as an energy source, Natural Gas produces up to 75% less greenhouse gases when compared to electricity*. Directly using Natural Gas in your home is one of the simplest ways to reduce the carbon footprint for your family, without impacting your lifestyle[‡].



Gas Energy Rating Cost Comparison



[†] This figure is the result of testing the unit under the Australian Gas Association test conditions. It is based on the seasonal operating efficiency of the heater operating for 600 hours per year.

Source: Energy Victoria and the Commonwealth Government of Primary Industries and Energy.

* Figures are based on the 10 year running costs of a 250m² home with ceiling height of 2.4mtrs and gas cost at 1.4c/MJ.

[‡] Source: www.energyrating.gov.au



Lennox™ hi-wall split system air conditioners

Designed to complement your décor and your lifestyle

If you're after a wall mounted air conditioner that operates efficiently all year round, the Lennox hi-wall split system air conditioner range has you covered. This economic range is the ideal solution to heating or cooling a specific room in your home. Whether it's a bedroom, living room, home office or rumpus room, Lennox hi-wall air conditioners offer an elegant, slimline design that will suit your décor with style.

Lennox systems are built to the highest standards to deliver years of reliable and accurate temperature control. Amongst their many features, you'll notice improved air distribution is achieved by directing air horizontally during cooling and downwards in heating.



Enhanced Comfort Control

Improves comfort by adjusting the temperature set point to account for the difference between ceiling and floor temperatures.

Sleep Mode

Automatically adjusts the temperature set point gradually to ensure comfortable conditions and energy savings.

Anti-corrosion Condenser Fins

The outdoor coil is treated to improve fin corrosion resistance and heat transfer for longer life and improved performance.

Auto-restart Function

Restarts and resumes previous operating mode automatically if the power supply is interrupted during operation.

Active Carbon Filter

Eliminates certain kinds of odours such as ammonia and deactivates harmful chemical gases like formaldehyde. It also traps small dust particles, smoke and pet fur preventing allergic reactions.

Turbo Mode

Cooling and heating rates are increased to achieve the desired set temperature quicker.

Even Air Distribution

Air distribution is improved by directing air horizontally during cooling and downwards in heating.



Lennox™ DC inverter hi-wall split system air conditioners

Reliable comfort and advanced efficiency

Lennox DC inverter hi-wall split system air conditioners incorporate the latest technology for greater energy efficiency. Inverter air conditioners include a variable speed drive in the motor system that adjusts to match the air conditioning requirements. This means it can run more efficiently than a conventional fixed speed air conditioner.

When you select your desired temperature, your Lennox air conditioner will work at 100% capacity to deliver you comfort quickly. However, instead of switching off and on to maintain

temperature – like a conventional system, the variable speed drive activates and constantly varies the compressor speed to maintain the desired temperature with minimal fluctuations.

The result is that you'll enjoy consistent temperature as well as significant savings and reduced running costs. If you are likely to use your air conditioner for long periods at a time, consider a Lennox DC inverter air conditioner.



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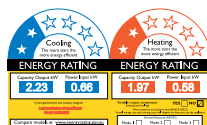
Lennox™ window units

Affordable climate control you'll feel comfortable with

The Lennox window unit air conditioner makes a noticeable difference to your living comfort and wallet. A convenient and cost competitive alternative to other types of air conditioning, the Lennox window unit air conditioner is fast and easy to install in window and wall areas. Your bedroom, lounge room, study or home office will feel cool in summer and cosy in winter, without heating up your energy bills.

The Lennox window unit air conditioner is also ideal for small commercial installations where ducted air conditioning or split systems are not practical or where there is an existing window unit that needs replacing. These could include retail shops, small offices, on-site work sheds, demountables, portable offices or homes and school office buildings.

Lennox window units feature remote control operation and a digital display so they're easy on the eye and budget, and provide year round climate control at the touch of a button.



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Sleep Mode

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Anti-corrosion Condenser Fins

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Lennox™ DC inverter ducted split systems

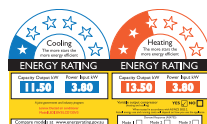
Quiet and energy efficient comfort for the entire home

For complete home heating and cooling you'll require a ducted split system. Your Lennox DC inverter ducted split system gives you the ability to zone your house according to your personal heating and cooling requirements. This flexibility allows you to minimise energy wastage and ultimately saves you money.

The use of energy efficient DC inverter technology delivers superior temperature control. Plus, the Lennox ducted split system is packed with features that take the heat out of choosing your ideal home comfort solution.

Features include:

- Slim line and unobtrusive outdoor unit
- Digital thermostat control, to give you the ultimate control of your indoor comfort
- Quiet operation, allowing you to enjoy the comforts of your home, undisturbed by unwanted noise
- Low installation & operational cost
- Corrosion resistant condenser coil, which improves heat transfer for energy efficiency



Anti-cold Air Function (Heat Pump only)

In heating the fan will not operate until the indoor coil temperature is warm enough, preventing cold drafts.

Wired Controller

The unit is supplied with a digital wall controller with timer function.

Auto Defrosting

Sensors automatically detect ice build up on the outdoor unit and engage the defrost cycle when required.

Auto-restart Function

Restarts and resumes previous operating mode automatically if the power supply is interrupted during operation.

Sleep Mode

Automatically adjusts the temperature set point gradually to ensure comfortable conditions and energy savings.

Anti-corrosion Condenser Fins

The outdoor coil is treated to improve fin corrosion resistance and heat transfer for longer life and improved performance.



Lennox™ G61 series gas furnaces

The luxury of high efficiency gas heating

Offering an impressive 5.3 Star efficiency rating, the Lennox G61 gas furnace is the ultimate in energy efficient heating. With unique sound absorbing insulation, the G61 reduces noise and provides peaceful operation, whether it's installed internally or externally. A variable speed inverter fan motor carefully controls the flow of air throughout your home, and a multi stage gas valve provide two levels of heating – stage one for the mild days and stage two for the colder days. The variable speed inverter motor uses about two-thirds less electricity than a standard motor and will help take your energy bills to new lows.

Not only is gas the most cost effective method of heating, it also helps to preserve the environment. For example a 30kW Gas furnace will produce over 2000kgs less CO₂ than a traditional reverse cycle system of the same size*. That's about 50% less CO₂ than a conventional electric heat pump system.

Constructed to the highest standards of design & engineering, the Lennox G61 External Series is built tough for outdoor installation and has the ability to include add-on cooling within the unit, something no other brand can offer.

*Comparison based on a Victorian home with 600 hours annual usage



Whole-Home ByPass Humidifier

The use of a gas furnace in a home can cause the indoor relative humidity to decrease. The resulting dry air can absorb moisture from you and everything inside your home. Dry indoor air is not good for your family's comfort or health. Too little moisture inside your home can cause skin irritations, sore throats and respiratory problems, not to mention annoying static shocks. It can also damage your home furnishings, making the wood in furniture, floors, framing and other valuable possessions to shrink, warp and crack.

The Lennox Healthy Climate® Whole-Home By-Pass Humidifier works together with your heating and cooling system to maintain optimum moisture levels. It's easier to use and less intrusive than portable units, since there is no need to constantly fill and clean units. And, by adding humidity to heated, dry air, the air feels warmer so you can lower the thermostat – save on your energy bills – and still feel comfortable.

Ask your Lennox Premier dealer for more information.





Lennox™ add on cooling

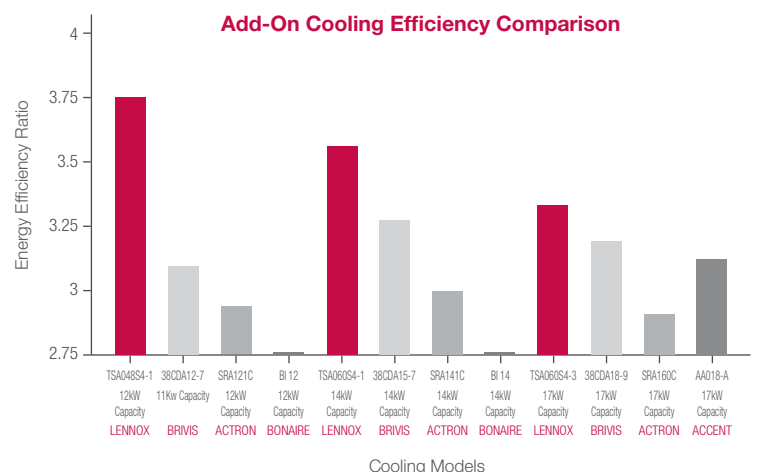
Year-round home comfort to enhance your everyday

Lennox add-on cooling complements your gas furnace to enhance the value of your home and provide year round climate control. Lennox add-on cooling can be installed with your existing gas ducted heater regardless of brand, at the same time as your gas furnace installation or at a later stage depending on your comfort and budget requirements. One thermostat can control both heating and cooling to deliver cool refrigerated air through your existing heating vents.

Lennox offers two add-on cooling systems to accommodate your space requirements. With industry leading cooling efficiency ratings well above the Minimum Energy Performance Standard, you'll benefit from lower running costs and lower carbon emissions than other comparable units*.

Plus, Lennox add-on cooling units also use the advanced chlorine free refrigerant – R410A, which offers superior energy saving and is better for the environment.

*Refer to Add-On Cooling Efficiency Comparison. Information sourced from published manufacturer's data.





Lennox™ Programmable Thermostats

Advanced climate control at your fingertips

All Lennox gas furnace systems can be used with a range of easy to operate controls that enable you to select your desired temperature anywhere in your home with the simple touch of a button. Choose from easy to operate manual or deluxe programmable thermostats to suit your needs.

The luxury of electronic programmable thermostats means you select the desired temperature you want, set it and forget about it, safe in the knowledge that within minutes you'll be relaxing in the environment of you're choosing. You can also control the exact time your temperature setting commences and ends, meaning you'll minimise energy costs and never wake up to a cold home or arrive to an uncomfortable home ever again.



Feature	ComfortSense 7000	ComfortSense 5000	ComfortSense 3000
Large LCD Display	✓	✓	
Large Dot Matrix Display	✓		
Manual control (non-programmable)			✓
7-day Programming (with 4 events per day)	✓	✓	
5-day Programming (with 2 events per day)	✓	✓	✓
2-day Programming (with 4 events per day)	✓	✓	✓
Fan Control Auto/On	✓	✓	✓
Reminders	✓	✓	✓
Time/Day	✓	✓	
Backlight	✓	✓	✓
Auto Changeover	✓	✓	
Smooth Recovery	✓	✓	
Humidity/Dehumidity Control	✓		
Security Feature	✓		
Optional Outdoor Temperature Sensor	✓	✓	
Warranty	5-Year Limited Warranty*	5-Year Limited Warranty*	2-Year Limited Warranty*

* When sold as part of a heating/cooling system



Peace of Mind Lennox™ Warranty

For more than a hundred years, Lennox has set the standard for home comfort with innovative heating, cooling and indoor air quality products. We stand behind those products with industry-leading warranty coverage designed to protect your investment and ensure your peace of mind.

Note: The warranty periods listed are only for residential applications.

Basic Warranty from Lennox

All Lennox residential products come with a 5 year parts and a 5 year labour warranty (limited only by the requirement for regular maintenance).

Lennox gas ducted heaters also carry a 10 years parts only warranty on the heat exchanger, the heart of all ducted heaters. The use of premium components and stringent quality control procedures provide owners with unparalleled peace of mind.



Your nearest Lennox Premier Dealer is:

For further information contact
australia new zealand
13 23 50 0800 653 330
or visit www.lennoxaus.com.au

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