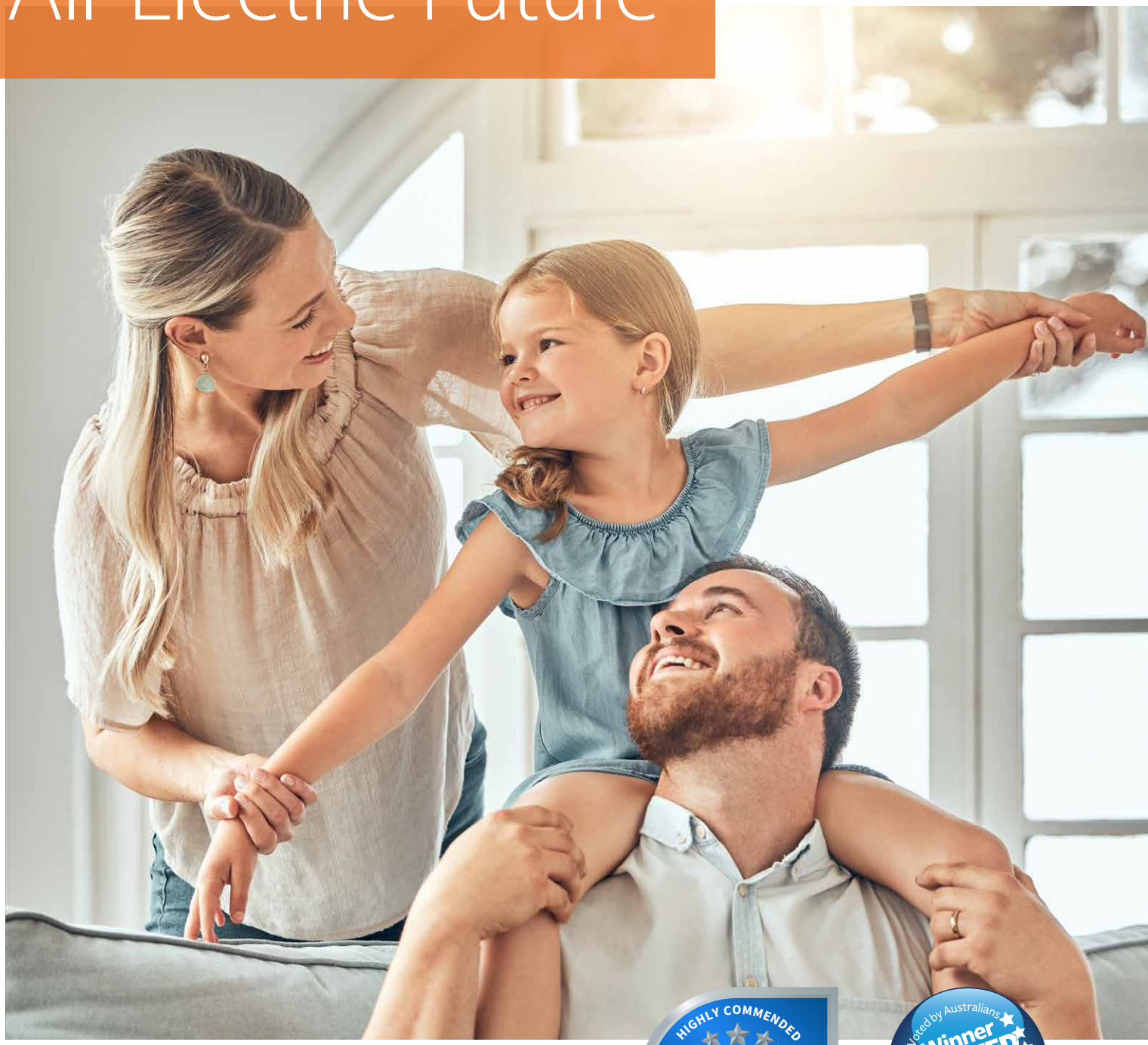
DAIKIN

Perfecting the Air

Preparing for an All-Electric Future



HIGHLY COMMENDED finder AWARDS 2023 AIR CONDITIONERS

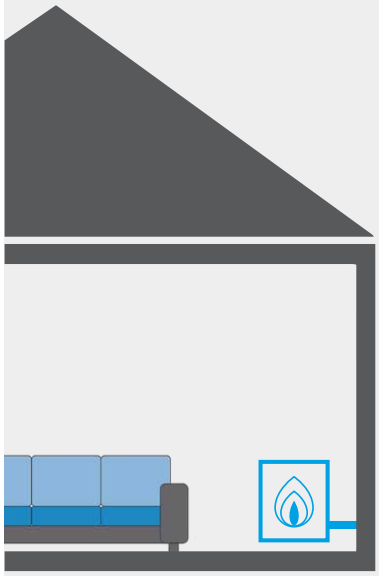
Voted by Australians Winner TRUSTED BRAND 2023 Reader's Digest Air Conditioner

Australia's Net Zero Future

There's a lot to be optimistic about - the Australian government has joined other nations and committed to net zero by 2050, with the aim of getting greenhouse gas emissions as close to zero as possible. Infact, Australia has become a leader in low emissions technology[1], exceeding it's 2020 target and is well on its way to reaching its next 2030 target.

[1]DCCEEW: Australia's long term emissions reduction plan

Gas vs Reverse Cycle



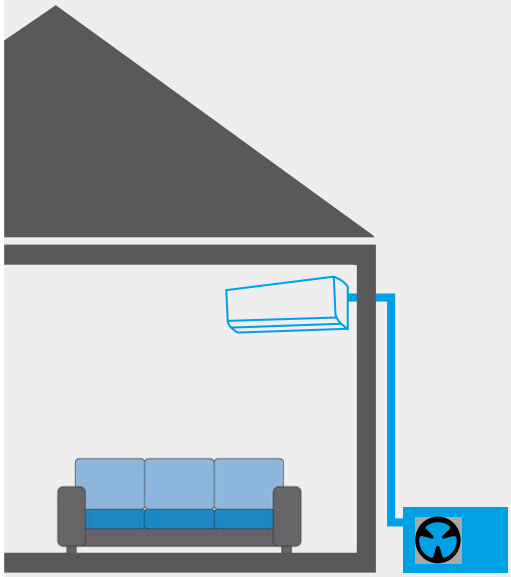
Gas Heater

Drawbacks

- ✗ **Burns gas** – Contributes to greenhouse gas emissions
- ✗ **Less efficient** – Produces as much heat as the fuel it consumes
- ✗ **Provides heating only** – Cooling function not included as standard

Benefits

- ✓ **Instantaneous** – Heat from combustion is distributed immediately
- ✓ **Unaffected by ambient conditions** – Works even at very low ambient temperatures
- ✓ **Lower up-front cost** – When compared to reverse Cycle systems



Reverse Cycle

Benefits

- ✓ **Future proof** – All-electric solution compatible with electricity generated from carbon neutral sources like solar
- ✓ **Energy efficient** – Producing 3 times more heat that the energy consumed
- ✓ **Built-in cooling** – No extra upfront cost

Drawbacks

- → **Heating is not instant** – It can take a few minutes to heat up.
- → **Performance affected by ambient conditions** – <7°C can cause ice build-up
- → **Higher up-front cost** – When compared to gas heating systems

Solutions

- ✓ **Use scheduling functions** to turn the unit on earlier
- ✓ **Defrost Cycle** helps clear ice build-up and continue operations at low ambient
- ✓ **Lower running costs** help offset upfront purchase and negate gas connnections[2]

[2]compared to a home utilizing both electric and gas appliances

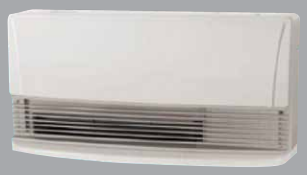
Switch off Gas and Start Saving!

As the government encourages the move to renewable energy sources for all Australians, they will incentivise a transition away from gas in homes and businesses. With gas heating making up around 70% of our total gas bill, making the switch now means you can start enjoying the savings straight away, while also contributing to a more sustainable future.

The following example demonstrates potential heating operation savings of a reverse cycle vs equivalent gas system

Single Room - Split

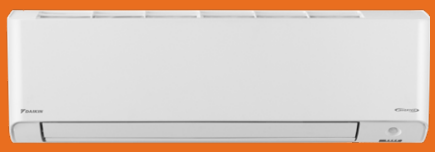
Gas Heater



Unit Specs	5 Star Room Space Heater
Output of Gas Heater	6 kW (21.6 MJ)
Output over 1306 hours	28209.6 MJ
Gas consumption over 1306 hours[3]	33188 MJ
Gas cost[4]	2.41 c/MJ
Additonal electricity costs (i.e fan and control electronics)	$22.90
Total gas cost	$799.83
Heating Cost	**$822.73**

VS

Daikin Split System



Unit Specs	Alira X FTXM50Y/ RXM50Y
Output of Split System	6 kW
Output over 1306 hours	7836 kWh
Electricity consumption over 1306 hours[3]	1705 kWh
Electricity cost[5]	29.23c kW/h
Additional energy costs	$0
Total electricity cost	$498.37
Heating Cost	**$498.37**

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SAVE UP TO **40%** ON RUNNING COSTS

Whole Home - Ducted

Gas Ducted

Unit Specs	5 Star Central Ducted Heating
Output of Gas Heater	18 kW (21.6 MJ)
Output over 1306 hours	84628.8 MJ
Gas consumption over 1306 hours[3]	99563 MJ/h
Gas cost[4]	2.41 c/MJ
Additonal electricity costs (i.e fan and control electronics)	$114.52
Total gas cost	$2,399.48
Heating Cost	**$2,514.00**

VS

Daikin Ducted System

Unit Specs	Premium Inverter FDYA160AV19 RZAS160C2V1
Output of Ducted System	18 kW
Output over 1306 hours	23508 kWh
Electricity consumption over 1306 hours[3]	6072.9 kWh
Electricity cost[5]	29.23c kW/h
Additional energy costs	$0
Total electricity cost	$1,775.11
Heating Cost	**$1,775.11**

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SAVE UP TO **30%** ON RUNNING COSTS

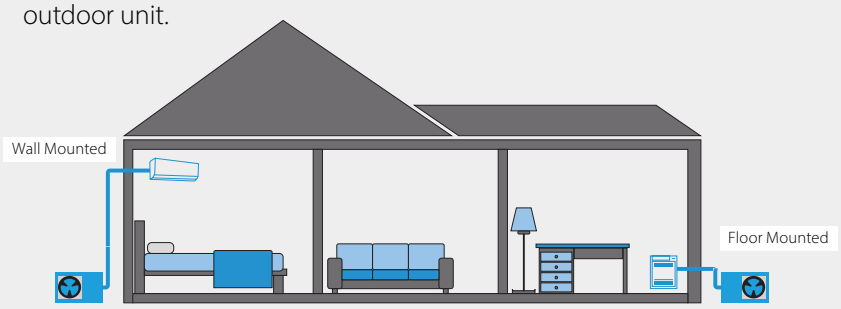
[3]Heating hours are calculated as defined by AS/NZS 3823.4.2:2014 [4]Gas cost from finder.com.au/cost-of-gas accessed 13/11/2023 [5]Electricity cost from finder.com.au/average-cost-of-electricity accessed 13/11/2023

Daikin has you covered

Whether you want to replace your gas heating with a split system mounted on the wall or a ducted system that can be mounted in-ceiling or underfloor, Daikin has the ideal solution to make the transition easy.

Single Room

Split systems are a 1:1 connection between an indoor unit and an outdoor unit.

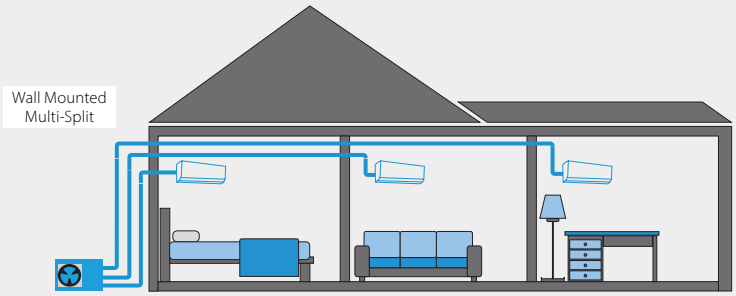


Benefits of a Split System:

- Powerful mode, 20 minutes of maximum heating and cooling performance
- Easy to install and cost effective
- Both Hi-Wall and floor mounted systems are available to suit your home application

Whole House – Multiple Rooms

Multi-split systems connect multiple indoor units to one outdoor unit.

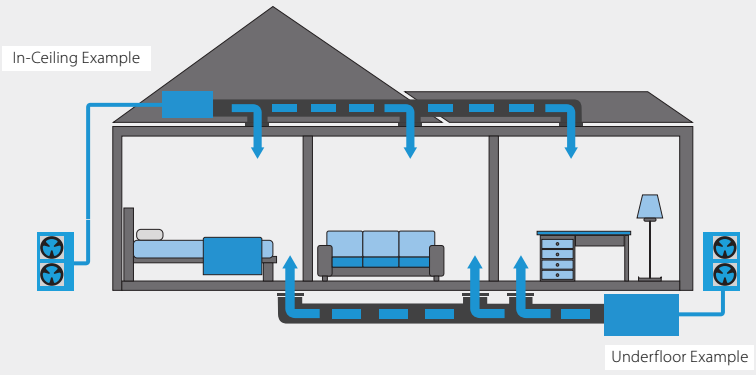


Benefits of a Multi Split System:

- Super powerful mode allows 20 minutes of rapid heating or cooling, with priority given to the activated unit
- Save on your bills by only turning on the indoor units you need
- Multiple indoor unit types connectable to suit your room requirements

Whole House – In Ceiling/Underfloor

Ducted-split systems are a 1:1 connection between an indoor unit to an outdoor unit and conditioned air is delivered to multiple rooms through ductwork.



Benefit of a Ducted System:

- Systems can be designed to serve your whole house or split into discreet zones
- Convenient control options with Touch screen controller & Wi-Fi control via mobile App
- Ducted units can provide quiet and discreet operations
- Daikin has models suitable for underfloor installation

Explore Daikin's range and start on your sustainable future today!

FAQ

Q: If I get a reverse cycle ducted, can I reuse the ductwork of my existing gas ducted system?

A: The simple answer is no, ductwork on gas systems are designed and sized differently to reverse cycle ducted requirements.

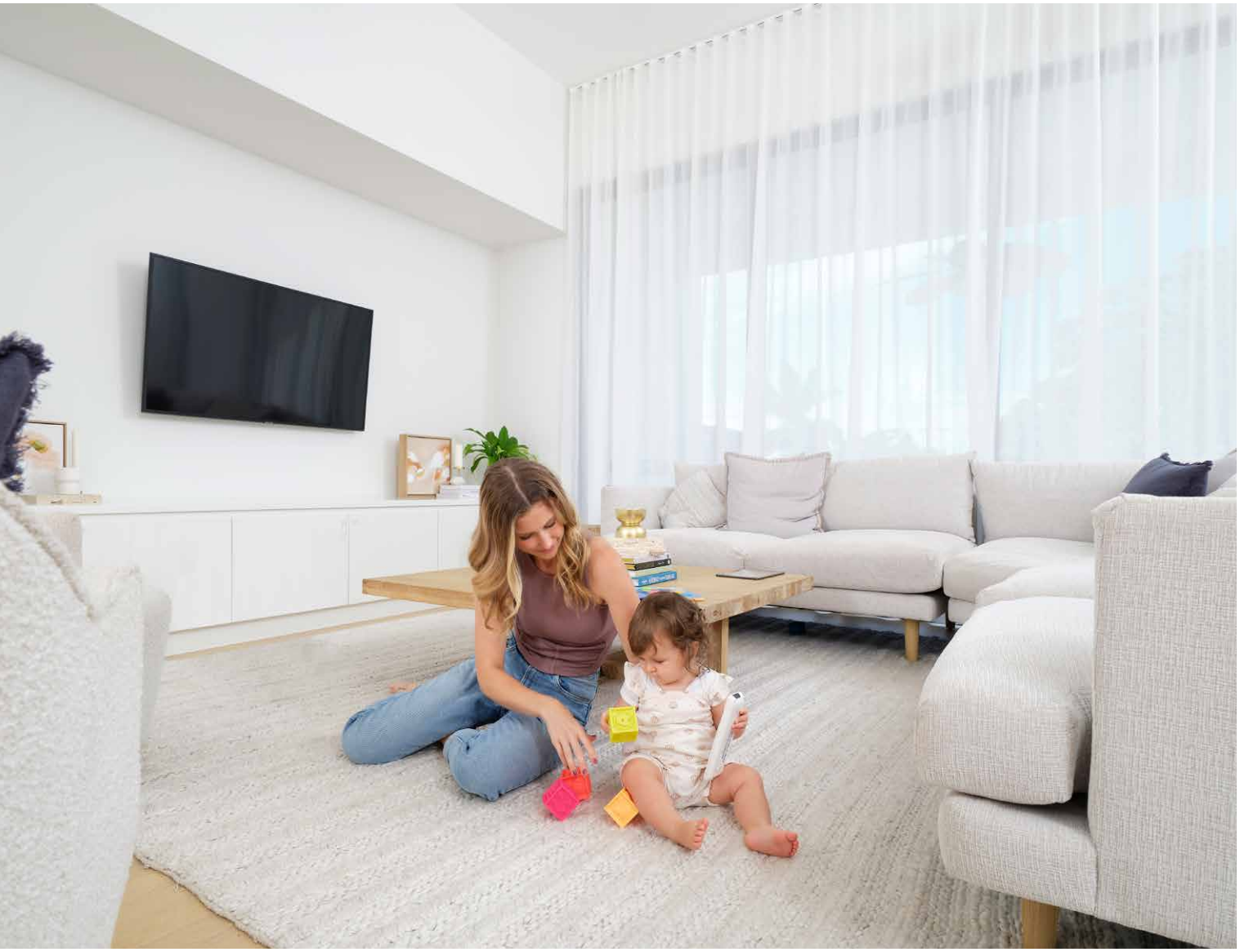
Q: What type of duct should I use?

A: Like home insulation, your ductwork also carries an R-rating, the higher the number, the more thermal performance it has. For the best performance, Daikin recommends using duct with the highest R-Rating to suit your installation & budget .

Q: What factors should I consider when placing the outdoor unit of my reverse cycle system?

A: Our network of 500+ dealers can assist you to in considering important factor such as:

- Noise levels & distance from neighbours
- Adequate airflow to allow the unit to operate efficiently
- Access for servicing & maintenance



ASSUMPTIONS

All representations made in Daikin marketing and promotional material are based on the assumptions that the correct equipment has been selected, appropriately sized and installed in accordance with Daikin's installation instructions and standard industry practices.

QUALITY CERTIFICATIONS

Daikin Industries Limited was the first air conditioning equipment manufacturer in Japan to receive ISO 9001 certification. All Daikin manufacturing facilities have been certified to ISO 9001 Quality Management System requirements. ISO 9001 is a certificate for quality assurance concerning 'design, development, manufacturing, installation and related service' of products manufactured at that factory.

Residential Air Conditioning
Manufacturing Div (ISO 9001)
JQA-0486 May 2, 1994
(Shiga Plant)

Commercial Air Conditioning and Refrigeration
Manufacturing Div (ISO 9001)
JMI0107 December 28, 1992
(Kanaoka Factory and Rinkai Factory at Sakai Plant)

ENVIRONMENTAL CERTIFICATIONS

Daikin Industries Limited has received ISO 14001 Environmental Certification for the Daikin production facilities listed below. ISO 14001 is an international standard specifying requirement for an environmental management system, enabling an organisation to formulate policy and objectives, taking into account legislative requirements and information about significant environmental impacts. It applies to those environmental aspects within the organisation's control and over which it can be expected to have an influence.

The certification relates only to the environmental management system and does not constitute any endorsement of the products shipped from the facility by the International Organisation for Standardisation.

Head Office / Tokyo Office	Certificate number: EC02J0355
Shiga Plant (Japan)	Certificate number: EC99J2044
Sakai Plant (Japan)	Certificate number: JQA-E-80009
Daikin Industries Ltd (Thailand)	Certificate number: JQA-E-90108
Yodogawa Plant (Japan)	Certificate number: EC99J2057
Daikin Australia Pty. Ltd.	Certificate number: CEM20437

Daikin Australia Pty Limited (ISO 9001)
QEC 23256
May 12, 2006
Sydney, Brisbane, Adelaide, Melbourne, Newcastle, Townsville, Perth

Daikin Australia Pty Limited (ISO 45001)
OHS 20939 17
February 2021
Sydney

Daikin Australia Pty Limited (ISO 14001)
CEM 20437
October 27, 2006
Sydney, Brisbane, Adelaide, Melbourne, Perth

Industrial System and Chiller Products Manufacturing Div (ISO 9001)
JQA-0495 May 16, 1994
(Yodogawa Plant and Kanaoka Factory and Kishiwada Factory)

Daikin Europe N.V (ISO 9001)
Lloyd 928589.1 June 2, 1993

Daikin Industries (Thailand) Ltd
JQA-1452 September 13, 2002
(ISO 9001)

CONTACT

DAIKIN

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