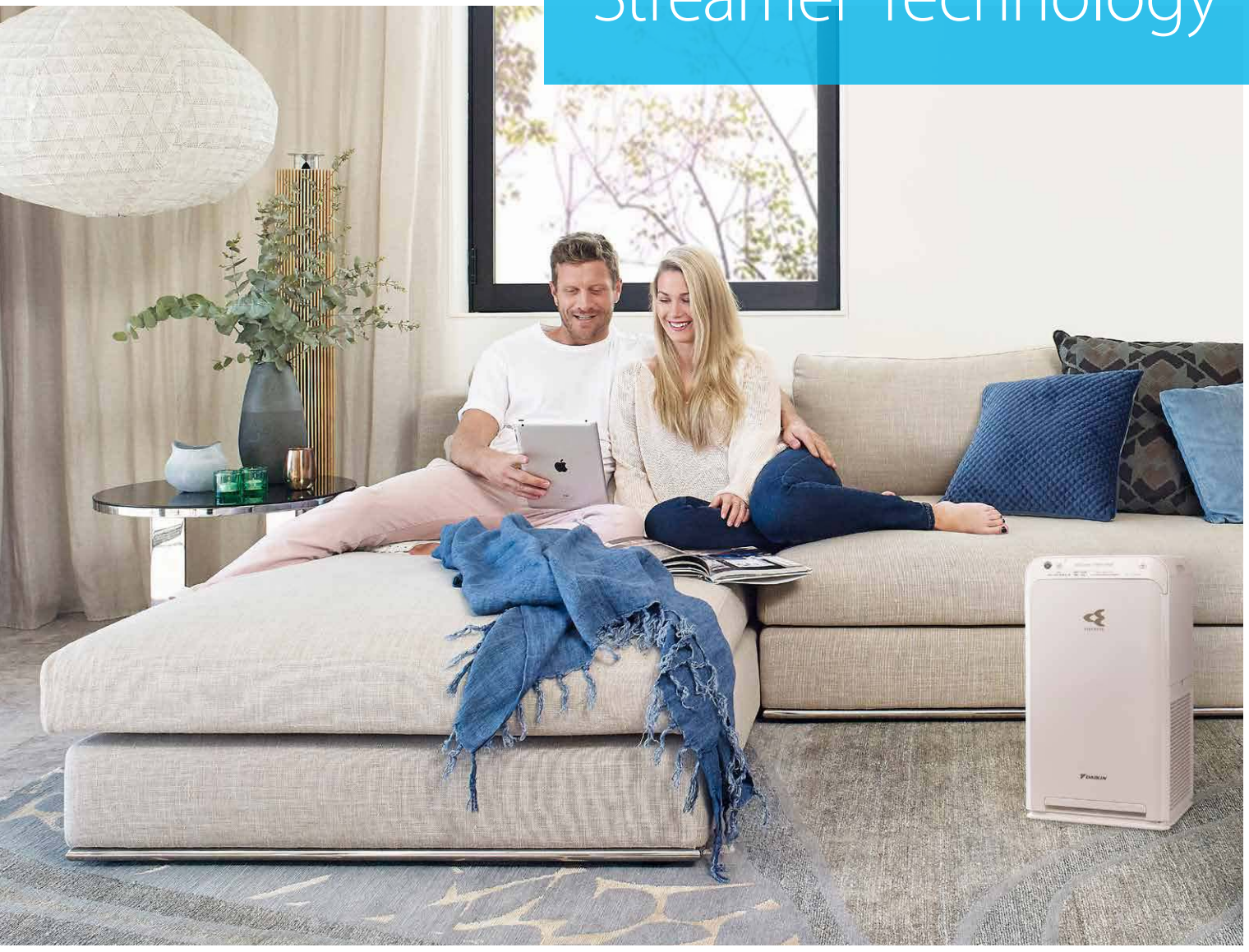
DAIKIN

Perfecting the Air

Air Purifiers

Streamer Technology



STREAMER

SENSITIVE CHOICE

APPROVED DAIKIN AIR PURIFIERS

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The Sensitive Choice For Your Home

Daikin Air Purifiers are approved by the National Asthma Council Australia's Sensitive Choice® program as a better choice for people who suffer from asthma and allergies.

Why Daikin?

1 **Market Leader**
Daikin is the global No. 1 in air conditioning. We have been delivering effective and innovative climate control for Australian homes for over 50 years.

2 **Quality Products**
Based on a tradition of technological and design excellence, our air purifiers reduce the presence of pollutants, allergens and mould to provide clean air and healthier indoor environments.

3 **Extensive Service Support**
As part of our commitment to ongoing service and quality, Daikin provides nationwide pre-sales and after-sales support and advice.

Indoor Air Quality and Health

Did you know that Australians spend around 90% of their time indoors? While we're all very aware of what affects outdoor air quality, we don't often consider what our indoor air quality is like and how it could impact the health of our family.

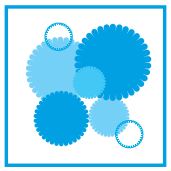
The air inside any home contains a range of pollutants and allergens that can contribute to poor indoor air quality, leading to potentially serious health problems for occupants.

At Daikin, we're dedicated to delivering products and technologies that not only create a comfortable living environment, but also a healthy environment. Our innovative range of air purifiers is designed to greatly reduce the presence of contaminants in the home so you can rest easy knowing your indoor air quality is at an optimum level.

Common household pollutants

Daikin air purifiers capture, suppress and break down a number of pollutants found in the home.

Substances that can be controlled/broken down



Mould

Pollen

Allergens such as dust mite droppings and remains

Odours

Formaldehyde

Diesel particulate matter

NOx

Substances that can be trapped

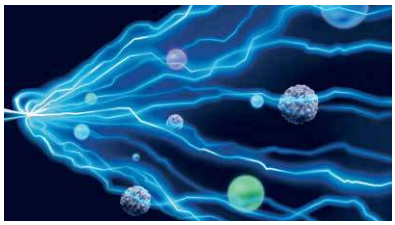
Dust

Yellow sand

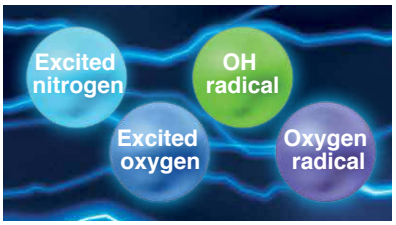
Market-Leading Streamer Technology

The secret to high performance air purification is Daikin's Streamer Technology. This innovative technology features a high-power plasma discharge that generates high-speed electrons to decompose harmful substances. This powerful oxidative decomposition process continuously removes odours, bacteria and indoor air pollutants such as formaldehyde for superior air purification.

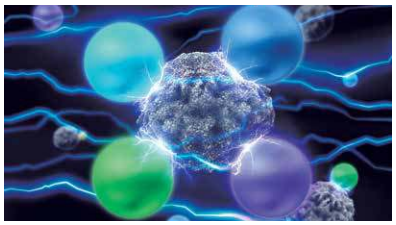
Compared to standard plasma discharge, the speed of oxidative decomposition is over 1000 times greater with the same electrical power!



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of elements with powerful oxidative decomposition capabilities.



These elements break down unwanted substances.

How effective is Daikin Streamer Technology?

Eliminates Pollen

More than 99.6%[1] in 2 hours

Eliminates Mould

More than 99.9%[2] in 24 hours

Eliminates Allergens

More than 99.61%[1] in 24 hours

Streamer Technology - the three C's

CLASH
Decomposes harmful substances trapped by the High Efficiency Particulate Filter.

CYCLE
Maintains the deodorising filter's deodorising capacity by assisting odour decomposition.

STREAMER

CLEAN
Removes bacteria from all filters allowing them to be maintenance free and increasing filter longevity.

[1] Verified at Wakayama Medical University with the following test condition: Irradiated allergens with Streamer & checked decomposition of allergen proteins by either the ELISA method, electrophoresis or electron microscopy.
[2] Verified at Japan Food Research Laboratories using antibacterial test/mould elimination test (test number: 204041635-001).

The Daikin Air Purifier range

Turn your home into the great indoors. Daikin's Air Purifiers keep your indoor space fresh and healthy all year round.

Feature-packed for cleaner, fresher, healthier air

4 Layers of filtration
Features Prefilter, Deodorising Filter, High Efficiency Particulate filter and Daikin's signature Streamer Technology.

Triple detection sensor
Dust, PM2.5 particles and odour levels are displayed on the top of unit for easy live monitoring.

Ultra quiet operation
Whisper quiet operation with sound levels of as low as 19dBA (in Quiet Mode).

Wireless controller
A wireless remote controller is included with MC(K)55YPVM models for simple, convenient operation at your fingertips.

Anti-pollen mode
By creating gentle air turbulence from fan speed modulation, pollen is trapped by the air filters before it settles.

Turbo mode
High power operation for quick removal of pollutants. Ideal for use when there is a sudden increase of occupants in the room.

Auto fan mode
Airflow is optimised to suit contamination levels detected from the sensors for efficient energy usage.

Econo mode
Automatically switches between 'Quiet' & 'Low' operation mode to suit contamination levels. Ideal for sleeping hours.

Streamer Air Purifier Humidifying MCK55YPVM

- **Rooms up to 82m²**
- **Airflow Rate: 330m³/h**
- **Humidification: 500mL/h**

Streamer Air Purifier MC55YPVM

- **Rooms up to 82m²**
- **Airflow Rate: 330m³/h**

Streamer Air Purifier MC40YPVM

- **Rooms up to 62m²**
- **Airflow Rate: 240m³/h**

Notes:
• Room Size is calculated according to NRCC-54013 standard using cigarette smoke CADR tested according to JEM1467.
• Humidification is measured at condition: 20°C in temperature at 30% humidity according to JEM1426.

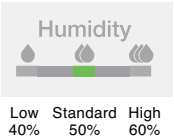
Product features

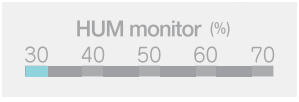
MODEL / FEATURES	MCK55YPVM	MC55YPVM	MC40YPVM
Humidification	✓	–	–
Streamer Technology	✓	✓	✓
High Efficiency Particulate Filter (Dust Collection Filter)	✓	✓	✓
Deodorising filter	✓	✓	✓
Prefilter	✓	✓	✓
Active Plasma Ion Technology	✓	✓	–
Room Humidity Monitor	✓	–	–
Streamer Operation Indicator (Regular/Low)	✓	✓	✓
Triple Detection Sensor & Indicator (Dust/PM2.5/Odour)	✓	✓	✓
Fan Speed Setting & Indicator (Quiet/Low/Standard/Turbo)	✓	✓	✓
Operation Mode Indicator	✓	✓	✓
Moist Mode	✓	–	–
Auto Fan Mode	✓	✓	✓
Econo Mode	✓	✓	✓
Pollen Mode	✓	✓	✓
Wireless Remote Controller	✓	✓	–
Easy-Install Caster	✓	–	–
LED Brightness (Bright/Dim/Off)	✓	✓	✓
Sensor Sensitivity Adjustment	✓	✓	✓
Child Proof Lock	✓	✓	–
Auto-Restart After Power Failure	✓	✓	✓

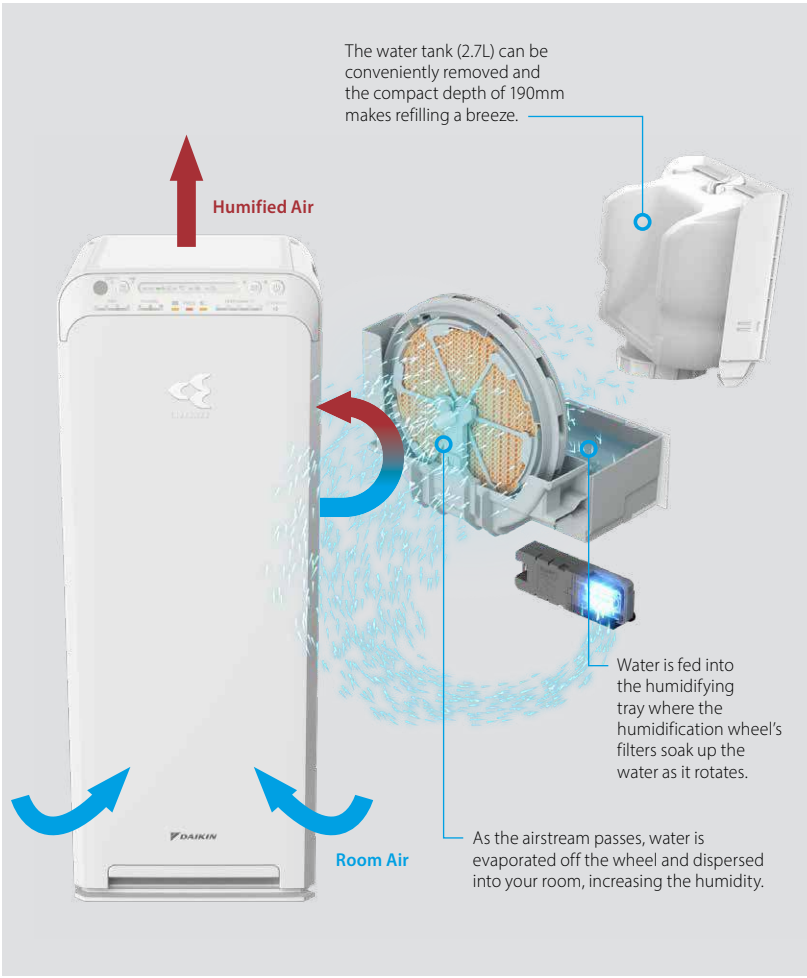
Why humidify?

Humidity plays a big role in a home's indoor air quality. Low humidity can lead to very dry air, increasing the chance of the spread of airborne viruses and causing the exacerbation of skin irritations such as eczema. In contrast, high humidity can create an ideal breeding ground for asthma and allergy triggers such as dust mites and mould.

Now, with Daikin MCK55YPVM, you can purify and humidify your home simultaneously. Thanks to its built-in humidifier with live humidity monitoring, Daikin MCK55YPVM provides a live read on the room's humidity level and allows you to set your desired humidity from three target settings.







Leading technology and innovation in every component

For over 90 years, Daikin has invested heavily in Research and Development to deliver market-leading technology and products that are efficient, powerful, reliable and easy to use.

HUMIDIFICATION WHEEL
(MCK55YPVM Only)
Absorbs water and through controlled evaporation humidifies your room with 3 settings available (40, 50 & 60% humidity targets).

TRIPLE DETECTION SENSOR
Highly sensitive triple detection sensors measure the indoor air quality levels of the room.

DEODORISING FILTER
Odours are absorbed by the deodorising catalyst and further decomposed by the Streamer, therefore retaining the deodorising capacity of the filter.

DC FAN MOTOR
Efficiently controls fan rotational speed for greater power savings and quiet operations as low as 19dBA.

PREFILTER
PET net filter captures larger particulates to ensure unimpeded operation of other system elements.

HIGH EFFICIENCY PARTICULATE FILTER
(Dust Collection Filter)
Removes 99.97% of fine particles[1].
Particulates are attracted to the electrostatic fibres and trapped, freeing up airflow for increased filter longevity.

SIROCCO FAN
Light weight sirocco fan. These fans feature an aerodynamic fan blade design which reduces turbulence for a more efficient and quieter air flow delivery.

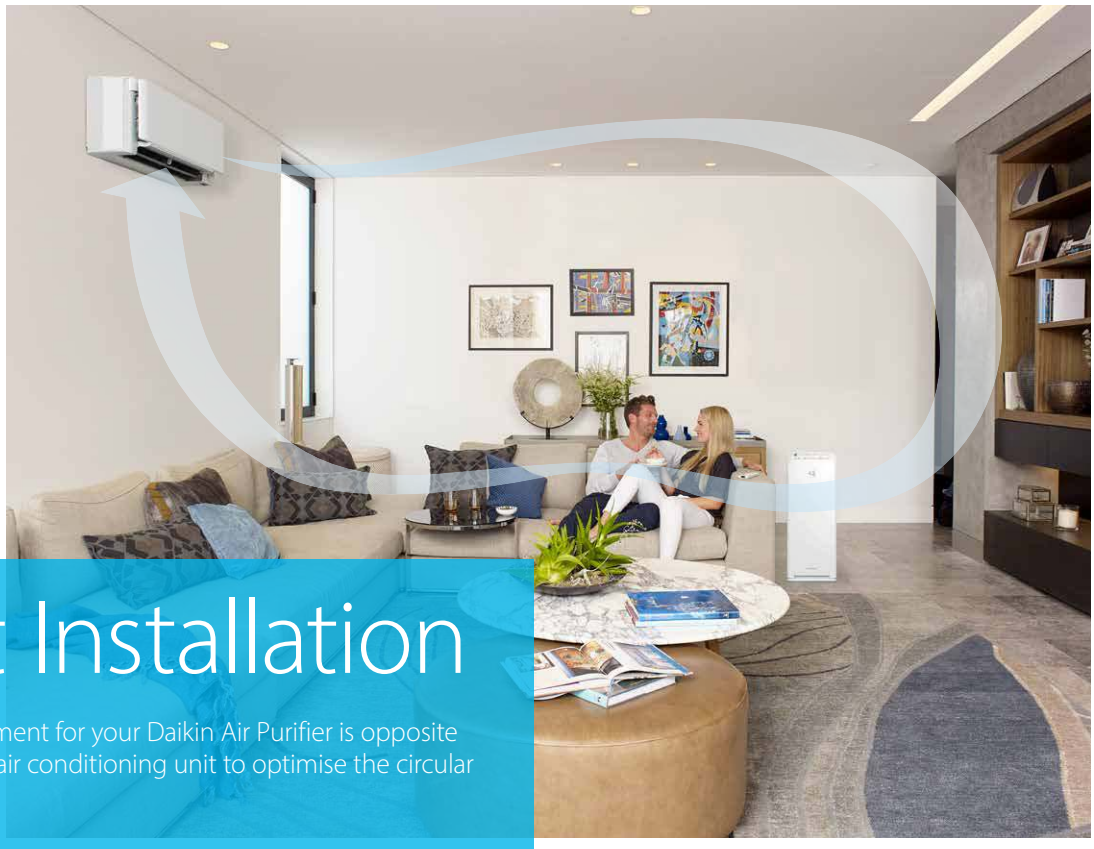
STREAMER TECHNOLOGY
Releases high speed electrons that collide with oxygen and nitrogen molecules, this activates them and enables oxidative decomposition.

[1] Verified by the test method of The Japan Electrical Manufacturers' Association Standard JEM1467. It is the initial removal performance of the filter. It is different from the removal performance for the entire room.

Specifications

MODEL		MCK55YPVM								MC55YPVM				MC40YPVM			
Colour		White															
Mode		Air Purification				Humidification				Air Purification							
Applicable Room Size* (m^2)		82				14-23				82				62			
Power Supply		1 Phase, 220-240V, 50Hz															
Power Cord Length (m)		1.8															
Fan Mode		TURBO	STD	LOW	QUIET	TURBO	STD	LOW	QUIET	TURBO	STD	LOW	QUIET	TURBO	STD	LOW	QUIET
Airflow Rate	m^3/h	330	192	120	54	330	192	144	102	330	192	120	66	240	168	108	66
	L/s	92	53	33	15	92	53	40	28	92	53	33	18	67	47	30	18
Power Consumption (W)		56	17	10	7	58	19	14	11	37	15	10	8	23	13	9	7
Sound Pressure Level (dBA)		53	39	29	19	53	39	33	25	53	39	29	19	49	36	27	19
Humidification^ (mL/h)		–	–	–	–	500	300	240	200	–	–	–	–	–	–	–	–
Dimensions (HxWxD) (mm)		700 (718 with caster) x 270 x 270								500 x 270 x 270							
Weight (kg)		9.5 (without water)								6.8							
Filtration	Dust (0.3µm)	High Efficiency Particulate Filter (Dust Collection Filter)															
	Odour	Deodorising Filter + Daikin Streamer Technology															
	Formaldehyde, Bacteria & Viruses	Daikin Streamer Technology															
Humidifying Method		Evaporation Type Element								–							
Tank Capacity (L)		2.7								–							
Replacement Filters	Dust Collection Filter	KAFP080B4E															
	Humidifying Filters	KNME080A4E								–							

*Room Size is calculated according to NRCC-54013 standard using cigarette smoke CADR tested according to JEM1467.
^Humidification is measured at condition: 20°C in temperature at 30% humidity according to JEM1426.



Smart Installation

The most ideal placement for your Daikin Air Purifier is opposite a Daikin Split System air conditioning unit to optimise the circular airflow effect.

The unit controls unevenness in the room temperature while cleaning the air during heating or cooling operation.

To maximise dust collection, it is most effective to place your Daikin Air Purifier on the floor, or as low as possible.

Notes

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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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