

# Smarter Hot Water for Kiwi Homes



**NEW** CO<sub>2</sub> Hot Water Heat Pump



Efficient, eco-friendly, and smartly controlled at your fingertips



# Daikin's CO<sub>2</sub> Powered Hot Water Revolution

**250L / 315L**  
Tank Volume Options

**IDEAL**  
For Typical Kiwi Families

**up to 80%\***  
Energy Savings

**6.15\*\***  
COP

**63°C**  
Tank Water Temperature



## Why Choose a Daikin CO<sub>2</sub> Hot Water Heat Pump?

**Highly efficient:** Uses ambient air to heat water, consuming up to 80%\* less electricity than conventional electric water heaters.

**Future-proof refrigerant:** With a GWP of 1, CO<sub>2</sub> (R744) is non-toxic, non-flammable, and environmentally friendly.

**High-temperature capability:** CO<sub>2</sub> heat pumps can heat water to 72°C^ without an electric element to ensure disinfection cycle.

**Excellent cold climate performance:** Performs efficiently even at low outdoor temperatures down to -10°C.

**Powerful year round heating:** Maximum 6 kW of heat output, designed to keep a family of 4 - 6 comfortable in every season.

\*Depends on temperature conditions and hot water usage comparing to electric resistance water heaters.  
\*\* Based from design conditions of ambient temperature 33.0°C DB (23.5°C). Inlet and outlet water temperature 21.0°C / 63°C.  
^ Based from design conditions of ambient temperature 33.0°C DB (23.5°C). Inlet and outlet water temperature 21.0°C / 63°C.

## Features & Technology



### Low Impact GWP

Uses an eco-friendly refrigerant with an extremely low Global Warming Potential (GWP). Safe and non-toxic, it reduces your household's carbon footprint while delivering strong, reliable performance that's sustainable and ready for the future.



### Vacation Mode

Vacation Mode keeps it efficient while you're away. It stops heating (legionella/anti-freeze) to save energy, prevents freezing and bacteria growth, and restores normal operation automatically before you return, providing convenience and peace of mind.



### Water-Resistant

Engineered for durability, it's water-resistant, corrosion-resistant housing is built for garages, utility rooms, or exterior spaces. Sealed components protect against moisture, ensuring consistent, reliable operation and long-lasting performance in real-world conditions throughout the seasons.



### Integrated LCD Display

The sleek built-in LCD screen makes control easy and intuitive. Check real-time temperature, modes, and schedules instantly, then adjust settings confidently removing the need for external controllers while keeping operation smooth and simple.



### Child Lock

For family safety, it includes a Child Lock function. Once activated, the control panel locks securely, preventing children from altering temperatures or modes accidentally, giving parents peace of mind and worry-free daily operation.



### Heat Boost Mode

When demand is high, the Heat Boost Mode activates another heat cycle at the same power level for faster recovery. Perfect for back-to-back showers or busy households, it ensures continuous hot water before automatically returning to efficient energy-saving operation.



### Programmable Schedule Timer

The programmable timer gives complete control over hot water production. Set heating cycles to match your lifestyle, reduce costs by using off-peak hours, and always enjoy reliable hot water exactly when you need it most, with greater comfort, savings, and convenience every day.



### Auto Adaptive Logic

The self-learning Auto Adaptive Logic adjusts heated water volume based on your household's usage patterns. By automatically adapting to your lifestyle, it ensures efficient operation, reduces unnecessary energy waste, and keeps hot water reliably available whenever you need it, for comfort, savings, and peace of mind.



### Wi-Fi Control via Airbase (Optional)

With integrated AirBase functionality, it connects seamlessly to Daikin's smart control platform - allowing homeowners to monitor and adjust settings remotely via the AirBase app kit (BRP15B61WP). Whether you're at work or on holiday, you can check system performance, change schedules, or activate Vacation Mode with just a few taps from your smartphone or tablet.

Functions	App
Monitor ambient temperature	✓
Scheduling Operation Mode	✓
Set the hot water volume level	✓
Heat Boost	✓
Auto Adaptive	✓
Vacation Mode	✓
Energy Monitoring (Available in NZ Only)	✓

Take control of your hot water with the Airbase app – smart, simple, and right at your fingertips. Designed to work seamlessly with the ultra-efficient CO<sub>2</sub> Heat Pump, Airbase lets you adjust temperatures, set schedules, and monitor your system—all from your smartphone. **It also includes an energy consumption feature, available exclusively only in New Zealand, giving you insights into your usage and savings.** Whether you're at home or away, enjoy total control and efficiency with just a tap.



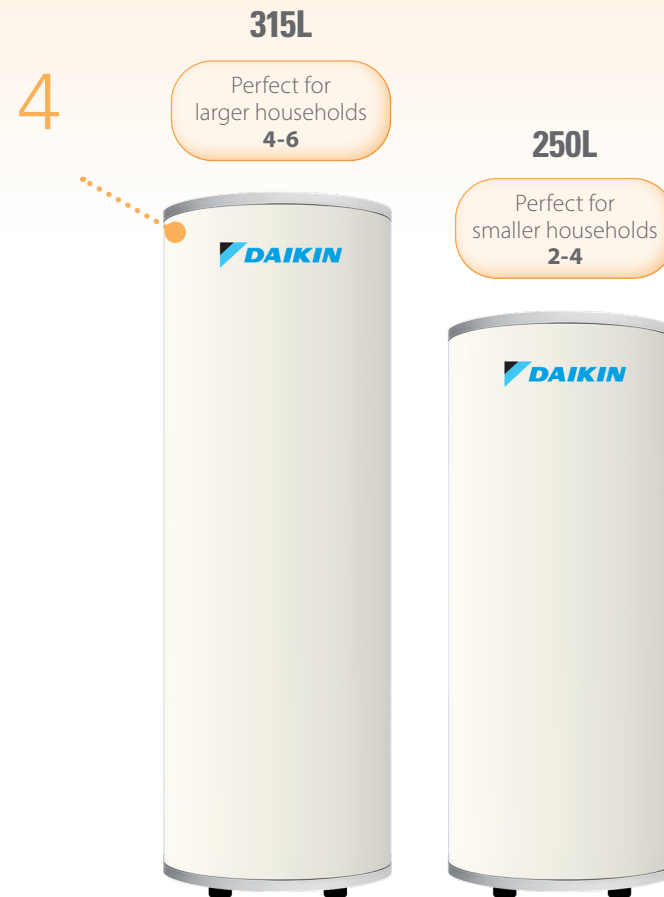
Download the Airbase app today on the Apple App Store or Google Play. Comfort has never been this connected.



# Smartly Built, Exceptionally Efficient

Daikin's CO<sub>2</sub> Heat Pump Hot Water System is designed and built to deliver long-lasting durability, exceptional performance, and straightforward control and maintenance. Engineered with advanced technology and quality components, it provides reliable hot water day after day, year after year, while keeping operation simple, efficient, and hassle-free for every household.

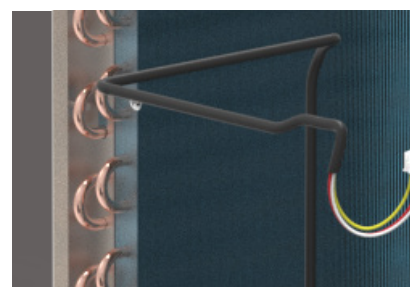
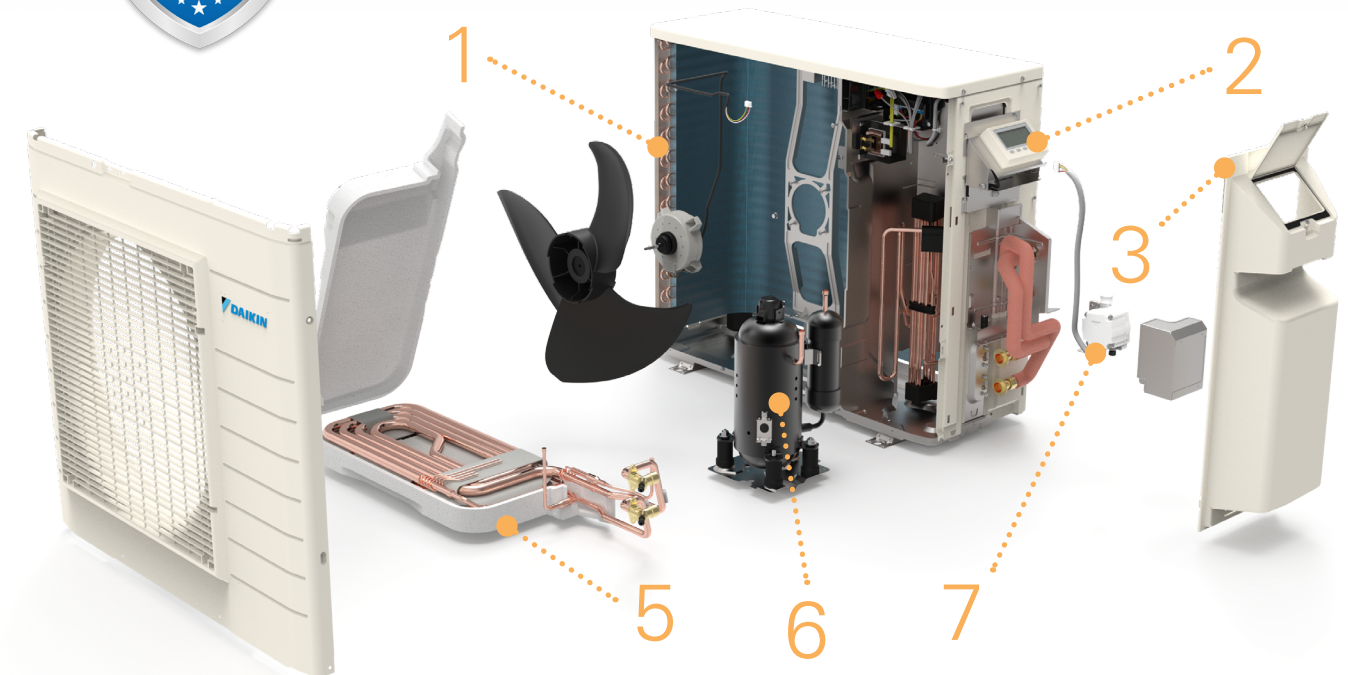
**2x** Water Storage  
Tank Sizes  
Available



# Enjoy Peace of Mind for 7 Years



Every Daikin CO<sub>2</sub> Hot Water Heat Pump and Water Tank comes with a full **7 year parts and labour warranty**, giving you complete confidence in its quality, durability, and long-lasting performance. Built to withstand New Zealand conditions, it's a system designed for dependable comfort and peace of mind, with the assurance that Daikin has you covered.



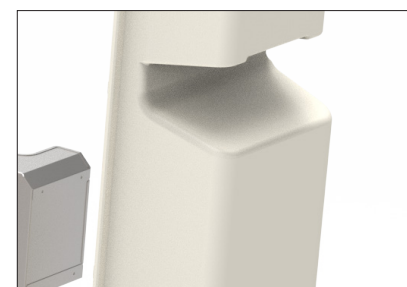
## 1. Built to withstand the elements

Blue Fin Condenser – Special anti-corrosion coating protects against salt and weather, helping your system last longer even in the toughest atmospheric conditions and operation.



## 2. Smarter controls

Master Controller – With a weather-proof cover, the built-in controller is easily accessible on the side of the unit saving set-up time and makes ongoing maintenance and servicing simple.



## 3. Easy to move and install outdoor unit

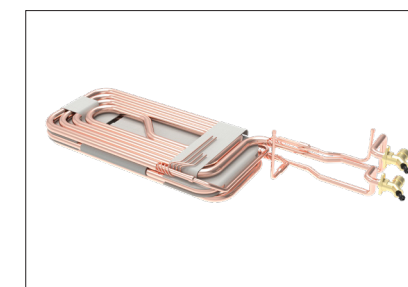
Handles – Strong side handles make lifting and positioning the outdoor unit easy.

Quickie Kit – Comes with all necessary fittings and insulation, for a quick and easy install (Optional).



## 4. Designed to endure

Duplex Stainless Steel Tank – Highly durable and corrosion resistant for reliable hot water, year after year.



## 5. Efficient heating power

Snake Heat Exchanger – Compact design maximises heat transfer for better performance without taking up extra space.



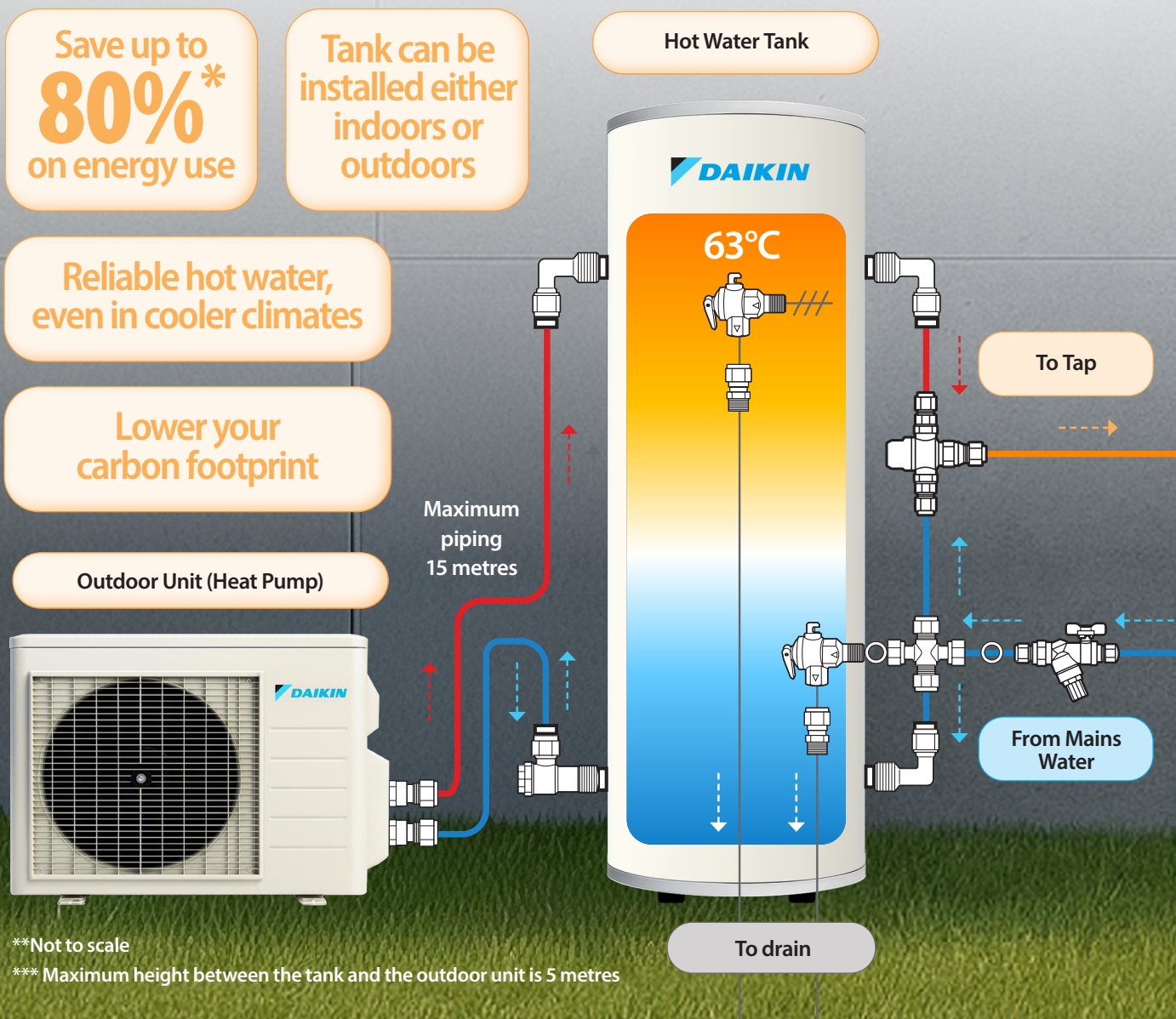
## 7. Easy to maintain

Water Pump – Accessible design makes servicing or replacement straightforward, extending the life of your system.

## 6. Swing Compressor

Daikin's advanced compressor runs quietly and efficiently, delivering consistent heating while saving energy.





## The Power Behind Your Hot Water

Our sleek outdoor heat pump is the heart of the system. Already trusted in Japan for nearly 20 years, it delivers consistent and reliable performance. Using natural CO<sub>2</sub> refrigerant, it's one of the cleanest and most efficient ways to heat water for your home.

### How It Works

- Takes heat from the air – even on cool days.
- Transfers that heat to the water system through advanced technology.
- Pumps hot water into your tank – ready whenever you need it.

### Why You'll Love It

- Compact and stylish – easy to place inside or outside your home.
- Eco-friendly CO<sub>2</sub> refrigerant – lowers your carbon footprint.
- Proven, long-lasting performance.

## Hot Water, Ready When You Are

The water tank works hand-in-hand with the outdoor unit to deliver a steady supply of hot water. Cold mains water goes in, perfectly heated water comes out – ready for your showers, baths, kitchen, and laundry, giving your household reliable comfort day after day.

### How It Works

- Cold water enters at the bottom of the tank.
- Heated water from the outdoor unit is stored at the top.
- When you turn on the tap, tempered water (around 50°C to 63°C) flows out – safe, comfortable, and reliable.

### Safe and Smart

- Pressure and Temperature Relief Valve (PTRV): Releases pressure and heat if it ever gets too high.
- Expansion Control Valve (ECV): Prevents damage from water expansion inside the tank.
- Peace of mind: consistent hot water with built-in safety protection.



# Optional Add-On: Quickie Kit

## Faster, Smarter Installation

Quickie Kit is the perfect add-on to make installation quicker, cleaner, and stress-free. Our pre-configured Quickie Kit makes installation easier with all the essential fittings you need.

### Why Choose Quickie Kit?

- Faster, hassle-free installation.
- Perfect fit for New Zealand standards.
- Neat, professional results every time.

### The Perfect Partner

Daikin highly recommends Quickie Kit as the valves and fittings are essential for a proper installation experience. Quickie Kit ensures your system is set up correctly, looks tidy, and performs at its best from day one. Quickie Kit is available as an optional purchase with your CO<sub>2</sub> Hot Water Heat Pump system.

### Quickie Installation Kit (NZQIK-HEATPUMP-DAI) components:

Content description	Qty	Content description	Qty
<b>a</b> 20 mm male to NZ-15 mm compression fitting (90 degrees with strainer) Glove halves (1 set) NZ-BFEQUICKIE15	1	<b>b'</b> 20 mm male 90 degrees elbow to NZ-15 mm compression fitting Elbow glove halves (1 set) NZ-BFE20MI15CQIK	1
<b>c</b> NZ-20 mm tempering valve (Set at 50 °C) Tempering valve glove halves (1 set) NZ-TVA20CHP	1	<b>b</b> 20 mm male 90 degrees elbow to NZ-20 mm compression fitting Elbow glove halves (1 set) NZ-BFE20MI20CQIK	2
<b>e</b> NZ-20 mm Non-return/pressure reducing/ stop valve (all-in-one) Stop valve non-return glove halves (1 set) NZ-NRI-PRV-20C	1	<b>d</b> NZ-20 mm 4-way connection compression fitting Quickie 4-way glove halves (1 set) NZ-BFT20Q20C	1
<b>g</b> 15 mm parallel thread female with flat face to NZ-15 mm compression fitting (adapter) NZ-BFU15FI15C	2	<b>f</b> 20 mm ECV 600 kPa Expansion control glove halves (1 set) ECV20-600	1
<b>i</b> Fibre washer (Colour: Red) RFW20MM-3PKT	1*	<b>h</b> 15 mm PTRV drain line to NZ-15 mm union compression fitting NZ-BFU15MI15C	1
<b>i'</b> Fibre Washer (Colour: Green) GFW15MM-3PKT	1*	<b>h'</b> 20 mm ECV drain line to NZ-20 mm union compression fitting NZ-BFU20MI20C	1
		<b>j</b> Cable tie	22

### IMPORTANT NOTE

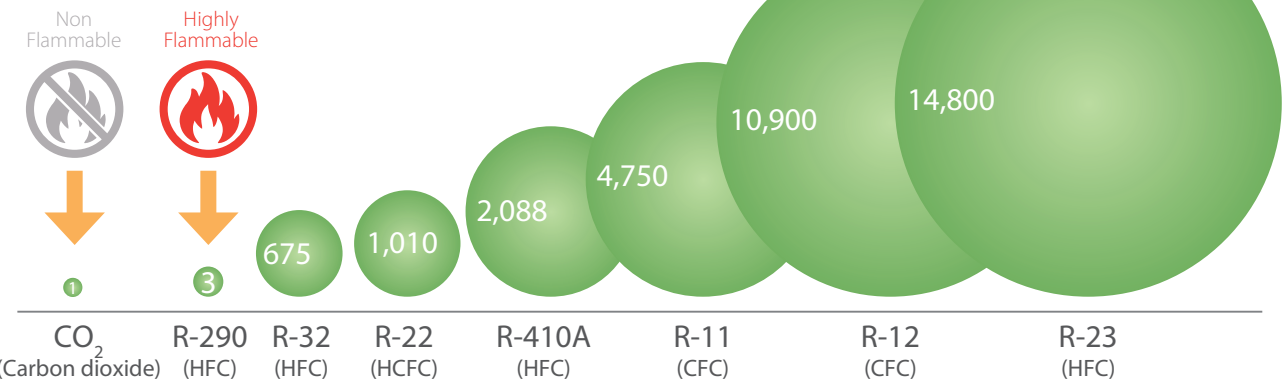
The Quickie Kit and the entire system must always be installed and commissioned by a Licensed New Zealand Plumber to ensure compliance and safety.

# Efficient Comfort with a Greener Footprint

Our next-generation CO<sub>2</sub> Hot Water Heat Pump, engineered for maximum energy efficiency, reliable hot water delivery, and a smaller carbon footprint. Smart, sustainable, and built for tomorrow.

INNOVATING TODAY  
FOR A SUSTAINABLE  
TOMORROW

### 100-year global warming potential (GWP) of different refrigerants



By harnessing the natural efficiency of CO<sub>2</sub> refrigerant technology, Daikin's new Hot Water Heat Pump dramatically reduces energy consumption compared to traditional electric or gas systems. Designed to extract renewable heat from the air, it can deliver the same volume of hot water while using up to 80% less energy.

This not only lowers household power bills but also helps reduce reliance on fossil fuels, making it a smart long-term investment for Kiwi homes. With superior performance even in cooler climates, it ensures consistent hot water supply while keeping running costs to a minimum.

### FINANCE OPTIONS

Daikin's new **CO<sub>2</sub> hot water heat pump system** may be eligible for **green home loan** or **low-interest finance** options offered by major New Zealand banks. These programmes make it easier for Kiwi homeowners to invest in long-term energy savings and lower carbon solutions.



# Say Goodbye to Soaring Energy Prices

*"We recently had a Daikin hot water heat pump installed, and we couldn't be happier. Going from a low-pressure system to high pressure has completely changed our daily comfort. It's energy-efficient, runs quietly, and provides hot water quickly and consistently. We've already noticed a drop in our power bill. A great upgrade for comfort and sustainability!"*

**- Tylyn & Zane, New Plymouth**

With electricity costs climbing and gas prices rising even faster, households are feeling the pressure on their energy bills. That's why switching to a Daikin CO<sub>2</sub> Hot Water Heat Pump makes more sense than ever. By using renewable heat from the air, it delivers the same reliable hot water while dramatically cutting running costs compared to traditional electric or gas systems. Smarter, cleaner, and more affordable comfort for your home.

## Expert Installation and Ongoing Care with a Daikin Hot Water Specialist

Daikin Hot Water Systems are installed exclusively by approved Daikin Hot Water Specialists and Licensed New Zealand Plumbers. Fully qualified and experienced, they know the ins and outs of our technology and ensure you get the right advice for your home.

Your Hot Water Specialist will provide a tailored solution through an in-home quotation, supply and install the system to the highest standard, and offer ongoing maintenance to keep it performing at peak efficiency for years to come.

All appointed Daikin Hot Water Specialists are independently owned and operated, giving you local expertise with the backing of Daikin technology.

### OVER 20 YEARS OF HOT WATER EXPERTISE

Daikin New Zealand has been proudly supplying hot water heat pumps to the New Zealand market for over 20 years. Daikin's ongoing commitment to innovation ensures that its hot water heat pumps deliver reliable performance in New Zealand's cold, harsh winters and warm summer days. Every system is fully supported by Daikin's team of hot water experts located throughout the country.

## Specifications

Heat Pump Unit		RQWX60ZV1A
Exterior color	-	Ivory white (5Y7.5/1)
Ambient temperature	°C	-10~43
Heat up temperature	°C	63
Nominal thermal output <sup>(*)</sup>	kW	5.11
Nominal power consumption <sup>(*)</sup>	kW	0.83
Nominal COP	-	6.15
Max. heat output	kW	6.0
Max. operation current	A	10
Heat up time <sup>(*)</sup>	hr	4
Breaker size	A	15
Power supply	-	1 phase, 230~240V 50 Hz
Compressor type	-	Swing
Compressor name	-	1Y042CKAX1S
Design pressure	Mpa	13.7/9.5 (Gauge)
Sound pressure level	dB	38
Dimensions (H x W x D)	mm	735 x 825(+113) x 300(+15)
Weight	kg	61
Max. water pressure	kPa	700
Refrigerant	-	CO <sub>2</sub> (R744)
Refrigerant charge	kg	1.12
Max. water piping length	m	15
Max. difference in elevation	m	5
Field piping (in/out)	mm	12.7
Installation location	-	Outdoors



Hot water storage unit		TU25SSZA	TU32SSZA
Hot water storage unit capacity	L	250	315
Installation location	-	Outdoors/indoors	
Ambient temperature	-	-10 ~ 43 <sup>(*)</sup>	
Inner tank material	-	Duplex 2205	
Inner tank material thickness	mm	1.2	
Outer tank casing	-	Primed & Painted Galvanize	
Max. water pressure	kPa	700	
Outer casing material thickness	mm	0.5	
Tank colour	-	Body Ivory White 5Y7.5/1 & Lid + base Silver RAL9006	
Insulation type	-	Polyurethane	
Insulation thickness	mm	50	
External dimensions	mm	1498 x φ600	1827 x φ600
Net weight	kg	47	54
Weight when full	kg	296	368



Notes:  
(\*)1) Nominal point: Ambient temperature 33.0°CDB/26.0°CWB (DP23.5°C), Inlet and outlet water temperature 21.0°C/63°C  
(\*)2) Boiling conditions: Ambient temperature 5.0°C or higher, HP inlet water temperature 7.0°C or higher, outlet water temperature 63°C, tank 315L  
(\*)3) This system shall be installed below 2000 m above sea level. Tank should be installed inside the house if ambient temperature below -6°C



The specifications, designs and information in this brochure are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this brochure may vary slightly.

#### 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 Ltd 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)

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)



#### ENVIRONMENTAL CERTIFICATIONS

Daikin Industries Ltd 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  
Shiga Plant (Japan)  
Sakai Plant (Japan)  
Daikin Industries (Thailand) Ltd  
Yodogawa Plant (Japan)  
Daikin Australia Pty. Ltd.

Certificate number: EC0210355  
Certificate number: EC9912044  
Certificate number: JQA-E-80009  
Certificate number: JQA-E-90108  
Certificate number: EC9912057  
Certificate number: CEM20437

Daikin Air Conditioning  
New Zealand Limited  
(ISO 9001)  
QMS42380  
Auckland



Daikin Specialist