



Ururu Sarara

The best  
of the best

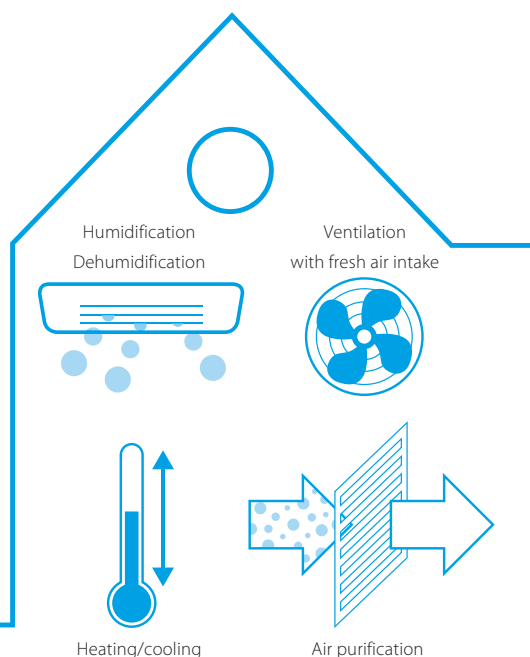


# Comfort in its purest form

With the Ururu Sarara, Daikin has reimagined what is possible with home air conditioning. We are proud to introduce our most intelligent, most efficient and most complete system.

## Features at a glance

- › Heating and cooling in one unit, for year-round comfort with SEER and SCOP seasonal efficiencies of A+++
- › Intelligent humidity control, to avoid dry air in winter and dehumidification in summer
- › Ventilation and purification, for fresh air all year round
- › Motion-based intelligent eye, for perfect air when and where you need it
- › Automatic filter cleaning, for optimum efficiency at all times
- › User-friendly control - either by wireless remote control, via app or as part of your home automation system





## Award winning design

Taking its inspiration from the Japanese folding “Ogi” fan, the wall-mounted range won the prestigious 2013 red dot award for product design in the air conditioning category. The judges said: “The fan-like shape and the choice of the colour white give this air conditioner a natural and noble appearance, which is complimented by its innovative technology.”



reddot design award  
winner 2013

# 5 ways

## Ururu Sarara will change the way you feel about air conditioning



### 1. Heating and cooling

**Air conditioning is more than just air cooling.**

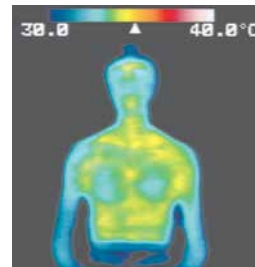
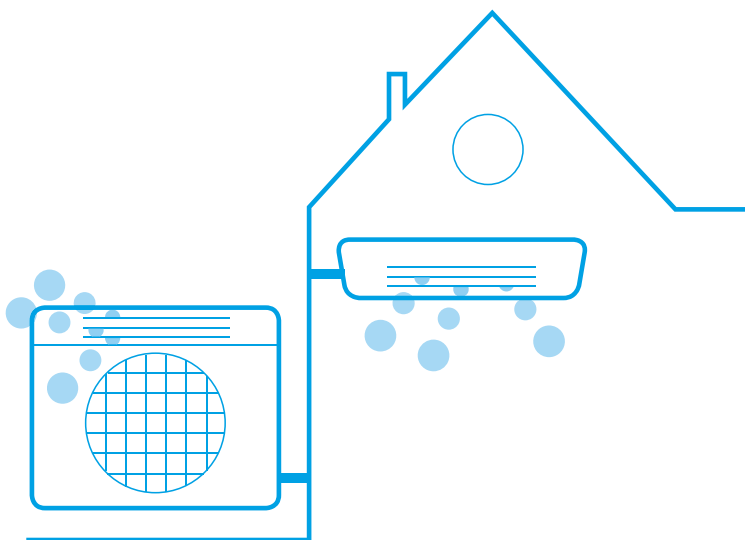
The Ururu Sarara is not just made for hot summer days. In fact, it can add warmth to any room quickly and efficiently, making it an invaluable part of the home throughout the year.

### 2. Ururu humidification

**Temperature cannot measure how a room feels.**

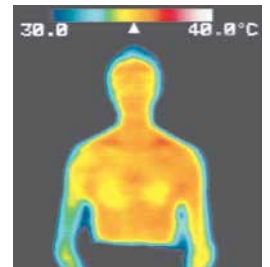
The air around us naturally contains a certain amount of moisture, known as humidity. Making the air too dry not only makes your room feel too cool (which might make you turn up the heating unnecessarily), it leads to sore throats and dry skin. It can even affect your furniture, wooden floors, books and art works.

The Ururu Sarara's intelligent humidification system draws in just the right amount of latent moisture from outside.



Temperature: 22°C  
Humidity: 20%

You feel **cold** in dry air even at a higher temperature



Temperature: 22°C  
Humidity: 50%

You feel comparatively **warmer** in humidified air

The thermograph shows the temperature distribution of the skin 30 min. after entry into the room

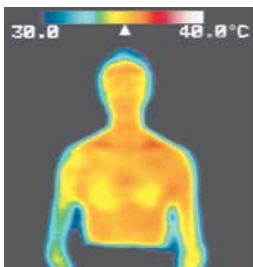


### 3. Sarara dehumidification

There is more than one way to cool a room in summer

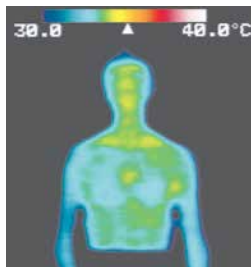
During summer, ambient humidity rises - and just as dry air feels cooler, humid air feels warmer, making rooms feel hot and oppressive. With conventional systems, you would have no option but to bring down the temperature - wasting energy and electricity.

But the Ururu Sarara's intelligent dehumidification offers a more elegant solution. It automatically transfers the excess moisture out of the room - while always maintaining an even temperature - thus taking much less effort to make you feel comfortable.



Temperature: 25°C  
Humidity: 80%

You feel **warm** in humid air, even at a constant temperature



Temperature: 25°C  
Humidity: 50%

You feel comparatively **cooler** in dehumidified air

The thermograph shows the temperature distribution of the skin 30 min. after entry into the room

### 4. Ventilation

Fresh air, even with closed windows

Unlike a conventional air conditioner, the Ururu Sarara brings fresh, conditioned air into the room. The Ururu Sarara is the very first residential heat pump system that - because of its powerful ventilation capacity of 30 m<sup>3</sup>/h - can fill a room of more than 26 m<sup>2</sup> with fresh air in less than two hours. Furthermore, the incoming air is brought in at the desired temperature without thermal loss.

### 5. Air purification

non-stop purified and allergy-free air

Increased indoor air quality with Daikin Flash Streamer technology

The Ururu Sarara purifies the incoming air. The air is purified by passing through dust and pollen filtration before the photocatalytic air purification filter breaks down any odours such as cigarette smoke and cooking smells. In the final stage, the Flash Streamer gives the air a further treatment: it breaks down any possible remnants of formaldehyde, viruses and moulds.





# Because comfort should be effortless.



3-D Air flow



Vertical auto swing



Horizontal auto swing



3-area Intelligent eye



Energy efficiency

## Optimal airflow pattern for your home

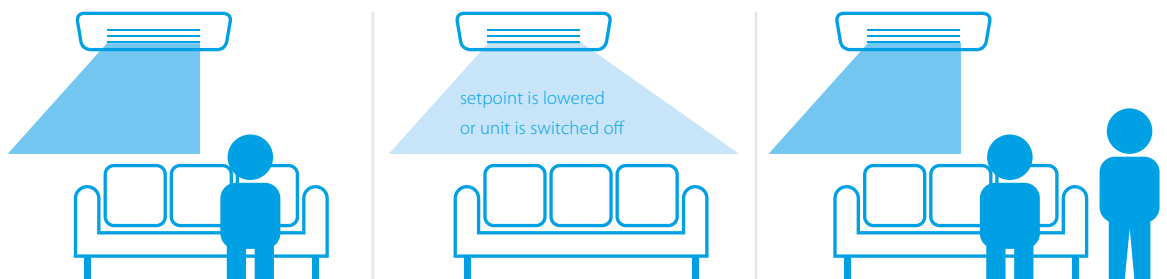
### The science behind the perfect atmosphere

For millennia, human beings have used traditional convection systems to heat their homes. Air conditioning makes the process more efficient. It uses the air itself to condition the room. But even air conditioners still rely on the movement of the air. True comfort comes when you no longer feel the air flow on your skin. Temperature is uniform throughout the room, throughout the seasons, that is exactly what Daikin brings into your home with the Ururu Sarara.

## 3-area Intelligent eye

It goes without saying that a room only needs to be cooled or heated when you are actually in it. Nor do you want blasts of air over you or your guests while you are there. That is why Daikin developed an 'intelligent eye' for the Ururu Sarara. It is a motion detector that not only knows when you are in the room (and turns the power down if you are not). It also knows where you are in the room, and directs the air flow away from you. Quite simply a smarter way to control a room's temperature without ruining its atmosphere.

### 3-area intelligent eye





Auto cleaning filter

## Automatic filter cleaning

Just like vacuum cleaners, air conditioners use filters to clean the air as it passes through the unit. And the more particles collect in the filter, the less efficiently it works. But with the Ururu Sarara's state of the art self-cleaning technology, that is a thing of the past. Not only is that less work for you, it is less work for the Ururu Sarara - it keeps a constantly stable air flow rate while using 25% less power.



Infrared remote control

## Always in control, no matter where you are



Online controller

User-friendly doesn't even begin to describe the Ururu Sarara. Of course, it comes supplied with a handy remote that gives you everything you need to know at a glance (even in the dark thanks to the glow in the dark buttons). But you can also set the temperature without even being in the room - via your smartphone, with the online controller (available for iOS and Android), and of course as part of your home automation system.



Ururu Sarara



Interface (KNX, Modbus)



Home automation

Light



TV



Shutter control

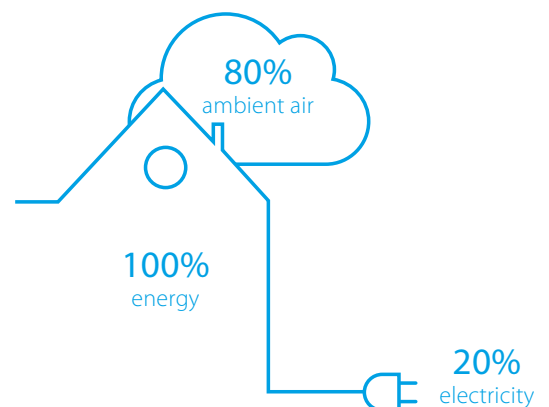


Making an impact on your home's climate.

# Not on the planet's.

## The pinnacle of 50 years' development

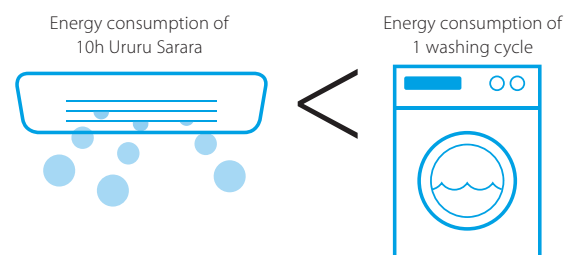
Air-to-air heat pumps obtain 80% of their output energy from a renewable source: the ambient air, which is both free and inexhaustible. Of course, heat pumps need electricity too to run the system, but this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass). A heat pump's efficiency is measured in SCOP (seasonal coefficient of performance) for heating and SEER (seasonal energy efficiency ratio) for cooling.



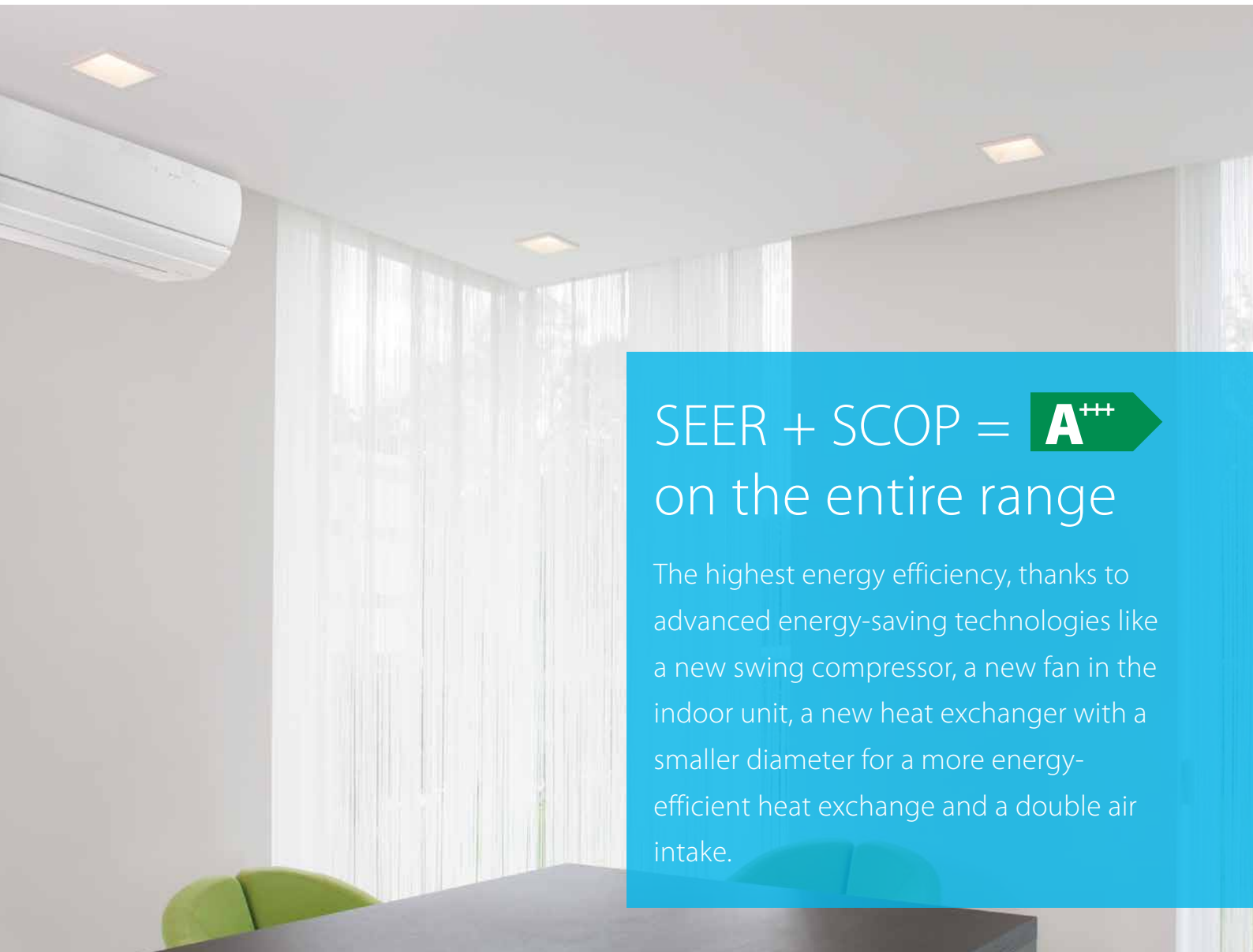
## Did you know that ...

If you continuously use Ururu Sarara for 10 hours, you will spend less energy than one washing cycle with a standard washing machine?\*

\*Standard washing machine of 2 kW compared to 2,5kW Ururu Sarara unit in cooling. Washing cycle of 2 hours.







# SEER + SCOP = **A+++** on the entire range

The highest energy efficiency, thanks to advanced energy-saving technologies like a new swing compressor, a new fan in the indoor unit, a new heat exchanger with a smaller diameter for a more energy-efficient heat exchange and a double air intake.

## R-32:

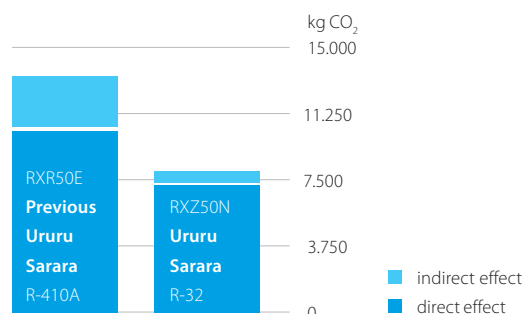
Refrigerants are the chemicals at the heart of any heat pump system. Using refrigerants with both lower direct CO<sub>2</sub> emissions has therefore long been a key part of Daikin's commitment to the environment. And with the Ururu Sarara, we took another step forward - with Difluoromethane, or R-32. A next generation refrigerant that offers a 68% smaller global warming potential than R-410A refrigerant.

What's more, R-32 allows the unit to work more efficiently and, as a single component refrigerant, is easily recyclable.

In Japan, Daikin introduced residential air conditioners using R-32 at the end of 2012 and since then over 2 million units have been sold.





Intergovernmental Panel on climate change,  
Fourth Assessment Report: Climate Change, 2007.







## CO<sub>2</sub> equivalent emissions










# Ururu Sarara









We care		
	Econo mode	Decreases the power consumption so that other appliances that need large power consumption can be used.
	3- area intelligent eye	Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front & right. If no people are detected, the unit automatically switches over to energy-efficient setting and eventually switches off.
	Energy saving during operation standby	Current consumption is reduced by about 80% when operating on standby.
	Auto cleaning filter	The filter automatically cleans itself once per day. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance



Comfort		
	Powerful mode	If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the 'powerful mode'. After the powerful mode is turned off, the unit returns to the preset mode.
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
	Whisper quiet	With sound levels as low as 19dBA, Daikin units are whisper quiet.
	Indoor unit silent operation	To ensure a quiet environment for studying or sleeping the user can lower the operation sound of the indoor unit by 3dB(A) via remote control.
	Comfortable sleeping mode	Increased comfort function that follows a specific temperature fluctuation rhythm.
	Outdoor unit silent operation	To ensure a quiet environment for the neighbourhood the user can lower the operation sound of the outdoor unit by 3dB(A) via remote control.

Air flow		
	3-D Air flow	This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
	Horizontal auto swing	Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution
	Auto fan speed	Automatically selects the necessary fan speed to reach or maintain the set temperature.
	Fan speed steps	Allows to select up to 5 fan speed.

Humidity control		
	Ururu - humidification	Moisture is absorbed from the outdoor air and evenly distributed throughout the indoor areas.
	Sarara - dehumidification	Reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air.

Air treatment		
	Flash streamer	The Flash Streamer generates high-speed electrons that powerfully break down bacteria, viruses and allergens, making the air more clean.
	Titanium photocatalytic air purification filter	Removes airborne dust particles and decomposes the odour of for example tobacco and pets. It also decomposes harmful organic chemical substances such as bacteria, viruses and allergens.

Remote control & timer		
	Online controller via app	Control your indoor unit from any location via app. (optional WLAN adapter)
	24 Hour timer	Timer can be set to start cooling/heating anytime during a 24-hour period.
	Infrared remote control	Infrared remote control with LCD to start, stop and regulate your indoor unit from a distance.
	Centralised remote control	Centralised control to start, stop and regulate several indoor units from one central point.

Other functions		
	Auto-restart	The unit restarts automatically at the original settings after power failure.
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.



Efficiency data		FTXZ + RXZ	25N + 25N	35N + 35N	50N + 50N
Cooling capacity	Min./Nom./Max.	kW	0.6/2.5/3.9	0.6/3.5/5.3	0.6/5.0/5.8
Heating capacity	Min./Nom./Max.	kW	0.6/3.6/7.5	0.6/5.0/9.0	0.6/6.3/9.4
Power input	Cooling	Min./Nom./Max.	0.11/0.41/0.88	0.11/0.66/1.33	0.11/1.10/1.60
	Heating	Min./Nom./Max.	0.10/0.62/2.01	0.10/1.00/2.53	0.10/1.41/2.64
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A+++		
		Pdesign	2.50	3.50	5.00
		SEER	9.54	9.00	8.60
		Annual energy consumption	kWh	92	136
	Heating (Average climate)	Energy label	A+++		
		Pdesign	3.50	4.50	5.60
		SCOP	5.90	5.73	5.50
		Annual energy consumption	kWh	831	1,100

Indoor unit		FTXZ	25N	35N	50N
Casing	Colour		White		
Dimensions	Unit	HeightxWidthxDepth	295x798x372		
Weight	Unit	kg	15		
Sound power level	Cooling	dBA	54	57	60
	Heating	dBA	56	57	59
Sound pressure level	Cooling	High/Nom./Low/Silent operation	38/33/26/19	42/35/27/19	47/38/30/23
	Heating	High/Nom./Low/Silent operation	39/35/28/19	42/36/29/19	44/38/31/24

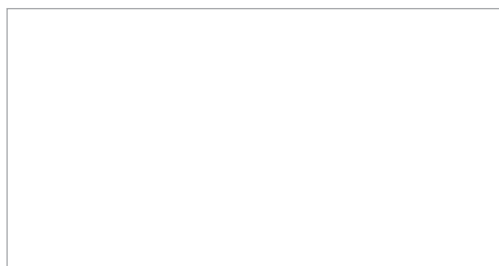
Outdoor unit		RXZ	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth	693x795x300		
Weight	Unit	kg	50		
Sound power level	Cooling	dBA	59	61	63
	Heating	dBA	59	61	64
Sound pressure level	Cooling	High	46	48	49
	Heating	High	46	48	50
Operation range	Cooling	Ambient	Min.~Max.	-10~43	
	Heating	Ambient	Min.~Max.	-20~18	
Refrigerant	Type/GWP		R-32/675		
	Charge	kg/TCO,Eq	1.34/0.9		

Contains fluorinated greenhouse gases



The Ururu Sarara combines a more efficient refrigerant with five air treatment techniques to produce a total comfort solution with extremely low environmental impact and very low energy consumption. Saving the environment and saving you money!

**Daikin Europe N.V.** Naamloze Vennootschap Zandvoordestraat 300 · 8400 Oostende · Belgium · [www.daikin.eu](http://www.daikin.eu) · BE 0412 120 336 · RPR Oostende (Responsible Editor)



ECPEN15 - 002 500 · 10/14



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU). Check ongoing validity of certificate online: [www.eurovent-certification.com](http://www.eurovent-certification.com) or using: [www.certiflash.com](http://www.certiflash.com)

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.

The present publication supersedes ECPEN14-002. Printed on non-chlorinated paper.