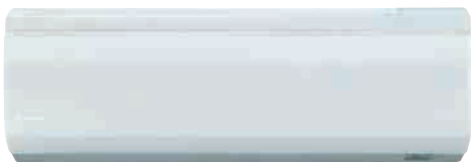


# *Climate* SYSTEM

The most complete climate system for your home



[www.daikin.eu](http://www.daikin.eu)





MODERN AIR CONDITIONERS NOT ONLY COOL BUT HEAT THE AIR AS WELL. YOU CAN ADJUST THE TEMPERATURE IN YOUR HOME ALL YEAR ROUND WITH ONLY ONE SYSTEM.

THERE IS MORE THAN JUST A PLEASANT TEMPERATURE NEEDED TO ENJOY A COMFORTABLE INDOOR CLIMATE. PRECISE ADJUSTMENT OF BOTH THE HUMIDITY LEVEL AND THE VENTILATION IN A ROOM IS ALSO OF PRIME IMPORTANCE. HOWEVER, THIS HAS NOT BEEN POSSIBLE WITH CONVENTIONAL AIR CONDITIONERS.

UNTIL NOW ...

DAIKIN'S NEW URURU SARARA SPLIT AIR CONDITIONING UNIT, WITH ITS UNIQUE SYSTEM, CAN EVEN HUMIDIFY AND DEHUMIDIFY, VENTILATE AND PURIFY THE INDOOR AIR ALL AT THE SAME TIME. THE IDEAL SOLUTION FOR IDEAL LIVING COMFORT IN ALL SEASONS. PERFECT, JUST THE YOU LIKE IT.

## THE BEST INVENTION SINCE THE AIR CONDITIONER

The Ururu Sarara 'air conditioner and humidifier in one' provides you with **aerotherapy**, as it were, in your home: the appliance controls the temperature, ventilation as well as the humidity levels. With a good humidity level averaging 50%, the atmosphere will suddenly feel much more pleasant and comfortable.

## CLEAR AIR CLEAR MIND

The Ururu Sarara is a so-called '**split air conditioning system**'. It consists of an indoor wall mounted unit in the living room or bedroom and an outdoor unit that is neatly tucked away on the roof of the house. Besides controlling temperature, ventilation and air humidity, the Ururu Sarara, with its built-in air purifier, also reduces all unpleasant odours, such as cooking odours and cigarette smoke. Moreover, the Flash Streamer Technology removes 99.6% of all allergens and 99.99% of all bacteria from the outdoor air.



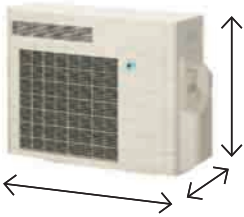
**URURU SARARA:  
THE AIR CONDITIONER  
THAT COOLS,  
HEATS, HUMIDIFIES,  
DEHUMIDIFIES, PURIFIES  
AND VENTILATES;**

# Total comfort:

## 4 AIR TREATMENT TECHNIQUES IN 1 SYSTEM

### HUMIDIFICATION *homogeneous indoor air quality*

Height	693 mm
Width	795 mm
Depth	285 mm



For the humidification, called 'Ururu' in Japanese, moisture is absorbed from the outdoor air. Subsequently, this humidified outdoor air streams into the indoor unit and is evenly distributed throughout the indoor areas. The Ururu Sarara, therefore, works without a water reservoir and serves to evenly distribute humidified air. This differs completely from the way in which conventional humidifiers work.



### DEHUMIDIFICATION *without a drop in temperature*

Height	305 mm
Width	890 mm
Depth	209 mm



Dehumidification, or "Sarara" in Japanese, has as many beneficial effects on comfort levels as humidification does. During the summer, a high degree of ambient air humidity, even at moderate temperatures, can make a room feel hot and stuffy. The Sarara dehumidification system reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air. People sensitive to the cold or prone to colds will really appreciate this possibility.

DID YOU KNOW *that* ...

heating dries the air,  
which causes sore throats, colds  
and other ailments?

That is why it is essential to regulate  
a room's ambient air humidity.



## VENTILATION

*fresh air,  
even with closed windows*

Unlike the conventional air conditioner, the Ururu Sarara brings fresh, conditioned air into the room. The Ururu Sarara is the first residential air conditioning system that can fill a room of more than 26 m<sup>2</sup> with fresh air in less than two hours. Furthermore, the temperature of the incoming air is brought to the desired level without cold or heat loss. Another benefit is that the air supply fan is accommodated in the outdoor unit, which means that you will never be bothered by any fan noises.

## DID YOU KNOW *that* ...

people can cause the CO<sub>2</sub> concentration to rise rapidly in an insufficiently ventilated room? Good ventilation is, therefore, essential to guarantee good ambient air quality.

# AIR PURIFICATION

*non-stop purified  
and allergy-free air*

The Ururu Sarara purifies the incoming air in two stages: first in the outdoor unit and then in the indoor unit. Exhaust gases and unpleasant odours are broken down and removed by the outdoor unit before the air streams into the indoor unit. In the indoor unit, the air will then be purified through dust and pollen filtration and the photocatalytic air purification filter will further break down odours such as cigarette smoke and cooking odours. In the last stage, the Flash Streamer gives the air a final treatment: it breaks down any possible remnants of formaldehyde, viruses and moulds.



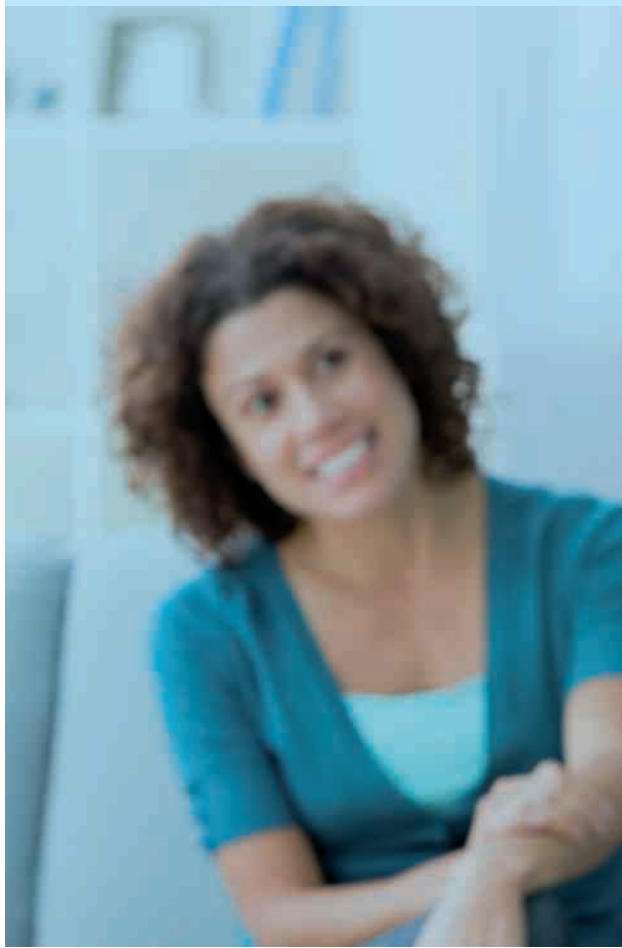
**IMPROVED**

**INDOOR AIR QUALITY**

**THANKS TO DAIKIN'S**

**FLASH STREAMER TECHNOLOGY**





## DESIGNED FOR DEMANDING CONNOISSEURS!

### **IN THE CLOUDS: MARKET-LEADING QUALITY**

The Ururu Sarara has achieved energy performance figures of more than 5.0 by applying special techniques. In real terms, this means that it supplies five kilowatts of cooling or heating capacity while it uses only one kilowatt of electricity. All the units of this range have been accorded an "A" label in the European energy classification, which has resulted in a reduction of CO<sub>2</sub> emissions.

### **INVERTER TECHNOLOGY 30% LESS ENERGY CONSUMPTION**

Daikin's inverter technology is one of the most recent innovations in climate control. The principle is simple: the consumed energy is in keeping with the actual need. Or, more simply: more energy consumption at the start-up and less when you are not there. This system's energy consumption is lower by no less than 30% than that of the conventional on/off systems.

## **COMFORT: A BREATH OF FRESH AIR** *standard provisions*

Under the **'Hydration'** mode, a particularly skin-friendly environment is created. This is made possible by combining a high and controlled relative humidity level with a comfortable airflow and the emission of vitamins and hyaluronic acid.

Thanks to the **'Cooling breeze'** airflow, the room will feel cool, even with a rather high temperature setting. By oscillating the direction of the airflow, the feeling of a pleasantly cool breeze is emulated.

The **'Comfort sleep'** mode adapts the temperature fluctuations to those that the body experiences at night. This means that the room temperature will be decreased by 2° C for 3 hours and will gradually begin to increase thereafter to the original setting, which is reached 1 hour before waking up.

The **'Mould shock'** operation is unique in the air conditioning industry. Mould formation is prevented by a sudden drop in room humidity that is sustained for 3 hours.

You can adjust the Ururu Sarara with a user-friendly **remote control** that clearly and legibly displays, according to the various functions, the room humidity level and temperature setting.

## Capacity and power input

### Notes:

- 1) Energy label: scale from A (most efficient) to G (least efficient).  
2) Annual energy consumption: based on average use at 500 running hours per year full load (= nominal capacity).

HEAT PUMP - INVERTER CONTROLLED (air cooled)				FTXR28E	FTXR42E	FTXR50E
				RXR28E	RXR42E	RXR50E
Cooling capacity	min~nom~max		kW	1.55~2.80~3.60	1.55~4.20~4.60	1.55~5.00~5.50
Heating capacity	min~nom~max		kW	1.30~3.60~5.00	1.30~5.10~5.60	1.30~6.00~6.20
Nominal input	cooling	min~nom~max	kW	0.25~0.56~0.80	0.26~1.05~1.32	0.26~1.46~1.80
	heating	min~nom~max	kW	0.22~0.70~1.41	0.22~1.18~1.60	0.23~1.51~1.77
EER				5.00	4.00	3.42
COP				5.14	4.32	3.97
Energy label	cooling			A	A	A
	heating			A	A	A
Annual energy consumption			kWh	280	525	730

## Specifications indoor units

HEAT PUMP - INVERTER CONTROLLED (air cooled)				FTXR28E	FTXR42E	FTXR50E
Dimensions	HxWxD		mm	305x890x209		
Weight			kg	14		
Front panel color				White		
Air flow rate	cooling	H/L/SL	m <sup>3</sup> /min	11.1/6.5/5.7	12.4/6.8/6.0	0.23~1.51~1.77
	heating	H/L/SL	m <sup>3</sup> /min	12.4/7.3/6.5	12.9/7.7/6.8	3.42
Sound pressure level*	cooling	H/L/SL	dB(A)	39/26/23	42/27/24	3.97
	heating	H/L/SL	dB(A)	41/28/25	42/29/26	A
Sound power level	cooling		H	55	58	A
Piping connections	Liquid		mm	ø6.4		
	Gas		mm	ø9.5		
	Drain		mm	ø18.0		
Refrigerant type				R-410A		
Power supply			V1	1~, 220~240V, 50Hz		

\* During humidification noise level will be slightly higher than in normal operation

## Specifications outdoor units

HEAT PUMP - INVERTER CONTROLLED				RXR28E	RXR42E	RXR50E
Dimensions	HxWxD		mm	693x795x285		
Weight			kg	48		
Casing colour				Ivory white		
Sound pressure level	cooling	H	dB(A)	46	48	48
	heating	H	dB(A)	46	48	50
Sound power level*	cooling		H	60	62	62
Compressor			type	Hermetically sealed swing		
Refrigerant type				R-410A		
Refrigerant charge			kg/m	1.4		
Max. piping length			m	10		
Max. level difference			m	8		
Operation range	cooling	H	°CDB	-10~43		
	heating	H	°CWB	-20~18		
Power supply			V1	1~, 220~240V, 50Hz		

## Design and technological quality



The Ururu Sarara received the distinguished 'Good Design Award', the unique evaluation criterion for industrial design in Japan. Daikin has, on various occasions, also been commended for applying innovative technology in its air purifiers: the UK Allergy Certificate and the Daikin TÜV Award confirm the efficiency of the appliances.

## Accessories: control systems

INDOOR UNITS		FTXR28E	FTXR42E	FTXR50E
Wiring adapter for time clock/ remote control (1)	normal open contact		KRP413A1S	
Centralised control board	normal open pulse contact		KRP413A1S	
Central remote control	up to 5 rooms (2)		KRC72	
Unified ON/OFF control			DCS302C51	
Schedule timer			DCS301B51	
Interface adapter (3)			DST301B51	
			KRP928A2S	

(1) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.

(2) Wiring adapter is also required for each indoor unit.

(3) For DIII-NET adapter.

## Accessories: indoor units

INDOOR UNITS		FTXR28E	FTXR42E	FTXR50E
Air purification and deodorising filter set without frame			KAF974B42S	
Air supply filter with frame			KAF963A43	
Anti-theft protection for remote control			KKF936A4	

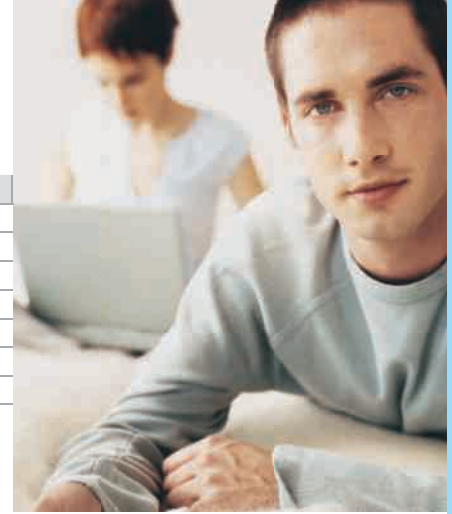
## Accessories: outdoor units

OUTDOOR UNITS		FTXR28E	FTXR42E	FTXR50E
Air direction adjustment grille			KPW937A4	
Drain plug			KKP937A4	
Extension hose set for humidification (2m)			KPMH942A402	
Relay joint for humidification (10 pcs.)			KPMJ942A4	
L-shape cuffs for humidification (10 pcs.)			KPMH950A4L	
Hose for humidification (10m)(l)			KPMH942A42	

(1) A humidification hose of 8m is delivered standard, together with the outdoor unit.

### Notes:

(1) V1 = 1=, 220-240V, 50Hz (2) Nominal cooling capacities are based on: indoor temperature 27° CDB/19° CWB • outdoor temperature 35° CDB • refrigerant piping length 7.5m • level difference 0m (3) Nominal heating capacities are based on: indoor temperature 20° CDB • outdoor temperature 7° CDB/6° CWB • refrigerant piping length 7.5m • level difference 0m (4) Humidification capacities are measured under Eurovent standard test heating conditions (outdoor temperature = 7° CDB/6° CWB and piping length = 7.5m) with a ventilation time of 0.5 changes/hour (5) Units should be selected on nominal capacity. Max. capacity is limited to peak periods. (6) The sound pressure level is measured via a microphone placed at a certain distance from the unit (for measuring conditions: please refer to the technical data books). (7) The sound power level is an absolute value indicating the "power" which a sound source generates.



You will also be doing the environment a favour if you buy a Daikin air conditioner for your home. When manufacturing your air conditioner, we fully take into account sustainable energy consumption and the most thorough product recycling and waste reduction methods. Daikin is fully geared toward 'eco-design' and limits, within that framework, its use of lead, quicksilver, cadmium and other environmentally hazardous substances.

In all of us,  
a green heart



Daikin's unique position as a manufacturer of air conditioners, compressors and refrigerants has led to its close involvement in environmental issues.

For several years, Daikin has been striving toward becoming a market leader in the provision of products with a limited effect on the environment.

This challenge demands the ecological design and development of a wide range of products and an energy management system that involves energy conservation and waste reduction.



Daikin Europe N.V. has received the LRQA approval for its Quality Management System, in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, and manufacturing as well as services related to the product.



The ISO14001 certificate assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations with regard to the safety of the product.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data on certified models are listed in the Eurovent Directory. Multi-units are Eurovent certified for combinations of up to 2 indoor units.

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