



Air conditioners

Heating & Cooling

Ururu Multi - a multi model application

- » **Unique Ururu humidification system**
- » **2 rooms can be air conditioned with only 1 outdoor unit**
- » **Brings fresh clean, conditioned air into the room**
- » **Improved indoor air quality**
- » **Inverter controlled**



www.daikin.eu



CTXU-G



Ururu Multi: the benefits

Ururu humidification

Maintains a comfortable humidity level without any separate water supply.

Fresh air supply

Brings fresh, clean, conditioned air into the room for healthy living

Comfort throughout the year

Daikin heat pumps are all-in-one heating and cooling solutions. They see to it that temperatures are comfortable warm in winter and cool in summer.

Up to two indoor units can be connected to one Ururu multi outdoor unit

All indoor units are individually controllable with remote control and do not need to be installed in the same room or at the same time.

Combining highest efficiency and year-round comfort with a heat pump system



Did you know that ...

Air conditioners, also known as heat pumps, obtain 75% of their output energy from renewable sources: the ambient air, which is both renewable and inexhaustible*. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass). A heat pump's efficiency is measured in COP (Coefficient Of Performance) for heating and EER (Energy Efficiency Ratio) for cooling.

* EU objective COM (2008)/30

Inverter technology

Daikin's inverter technology is a true innovation in the field of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement - no more, no less! This technology provides you with two concrete benefits:

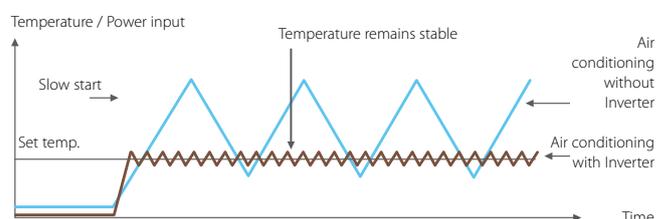
► Comfort

The inverter repays its investment many times over by improving comfort. An air conditioning system with an inverter continuously adjusts its cooling and heating output to suit the temperature in the room thus improving comfort levels. The inverter reduces system start-up time enabling the required room temperature to be reached more quickly. As soon as the correct temperature is reached, the inverter ensures that it is constantly maintained.

► Energy efficient

Because an inverter monitors and adjusts ambient temperature whenever needed, energy consumption drops by 30% compared to a traditional on/off system! (non-inverter).

Heating operation:



Heating & Cooling



INDOOR UNITS				CTXU25G	CTXU35G	CTXU42G	CTXU50G
Casing	colour			White			
Dimensions	unit	heightxwidthxdepth	mm	295x800x215			
Weight	unit			9	10		
Sound power level	cooling	high	dBa	54	58		59
	heating	high	dBa	55	58		60
Sound pressure level	cooling	high/nom./low/silent operation	dBa	38/32/25/22	42/34/26/23	42/38/33/30	43/39/34/31
	heating	high/nom./low/silent operation	dBa	39/34/28/25	42/36/29/26	42/38/33/30	44/39/34/31
Refrigerant	type			R-410A			
Piping connections	liquid	OD	mm	6.35			
	gas	OD	mm	9.52		12.7	
	drain				18		
Power supply	phase / frequency / voltage			1 / 50 / 220-230-240			



OUTDOOR UNITS				2MXU40G	2MXU50G
Dimensions	unit	heightxwidthxdepth	mm	675x765x285	
Weight	unit			45	49
Fan - Air flow rate	cooling	high/nom./low	m ³ /min	36/33/30	37/34/34
	heating	high/nom./low	m ³ /min	32/32/32	34/34/34
Sound power level	cooling	nom.	dBa	62	63
Sound pressure level	cooling	high	dBa	47	48
	heating	high	dBa	48	50
Operation range	cooling	ambient	min.-max. °CDB	10~46	
	heating	ambient	min.-max. °CWB	-15~15.5	
Refrigerant	type			R-410A	
Piping connections	pipng length	max.	OU - IU	15	
	level difference	IU - OU	max.	15	
		IU - IU	max.	7.5	
	heat insulation			Both liquid and gas pipes	
	total piping length	system	actual	30	
Power supply	phase / frequency / voltage			1~ / 50 / 220-440	

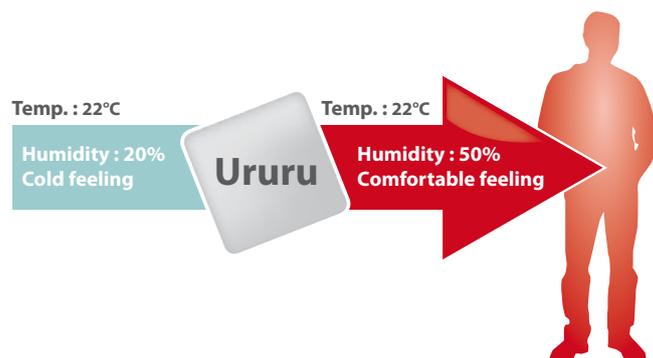




Humidification, even during heating

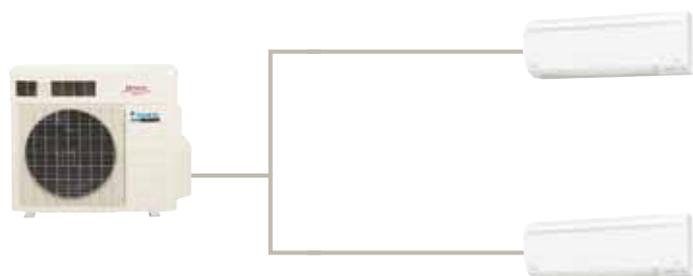


For the humidification, called 'Ururu' in Japanese, moisture is absorbed from the outdoor unit and streams into the indoor unit where it is evenly distributed throughout the room. The advantages of humidity are preventing sore throats, dry skin and making the human body feel warmer, even at lower temperatures, thus reducing heating demand and energy consumption.



Multi System

The Daikin Ururu Multi heat pump system is unique in its ability to supply comfort heating, cooling, humidification and fresh air ventilation. Designed primarily for two room residential use, the system comprises two visually attractive wall mounted indoor units and a robust outdoor unit that can be installed on a balcony or against a wall.



Comfort

- > Ururu humidification: maintains a comfortable humidity level without any separate water supply
- > Fresh and clean air intake for healthy living
- > Comfort mode reassures draught free operation
- > Extremely quiet in operation
- > Two-area intelligent eye: air flow is sent to the area in a room where no person is detected
- > 3D air flow: guarantees draught free operation

Filter

- > Titanium apatite photocatalytic air purifications filters powerfully absorb microscopic particles, decomposes odours and even deactivates bacteria and viruses.

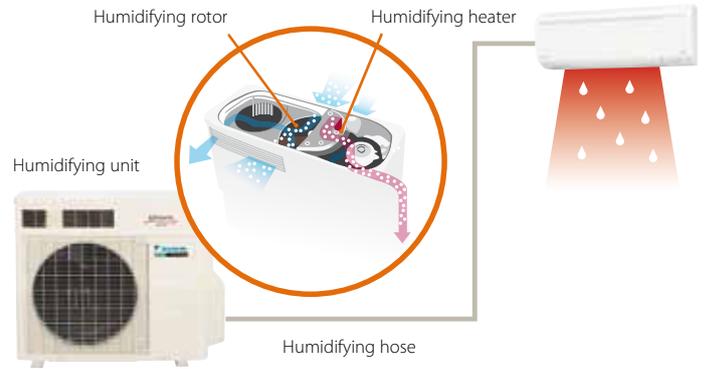
Energy efficient

- > ECONO mode decreases the power consumption so that other appliances that need large power consumption can be used.

Technology

1. Ururu Humidification

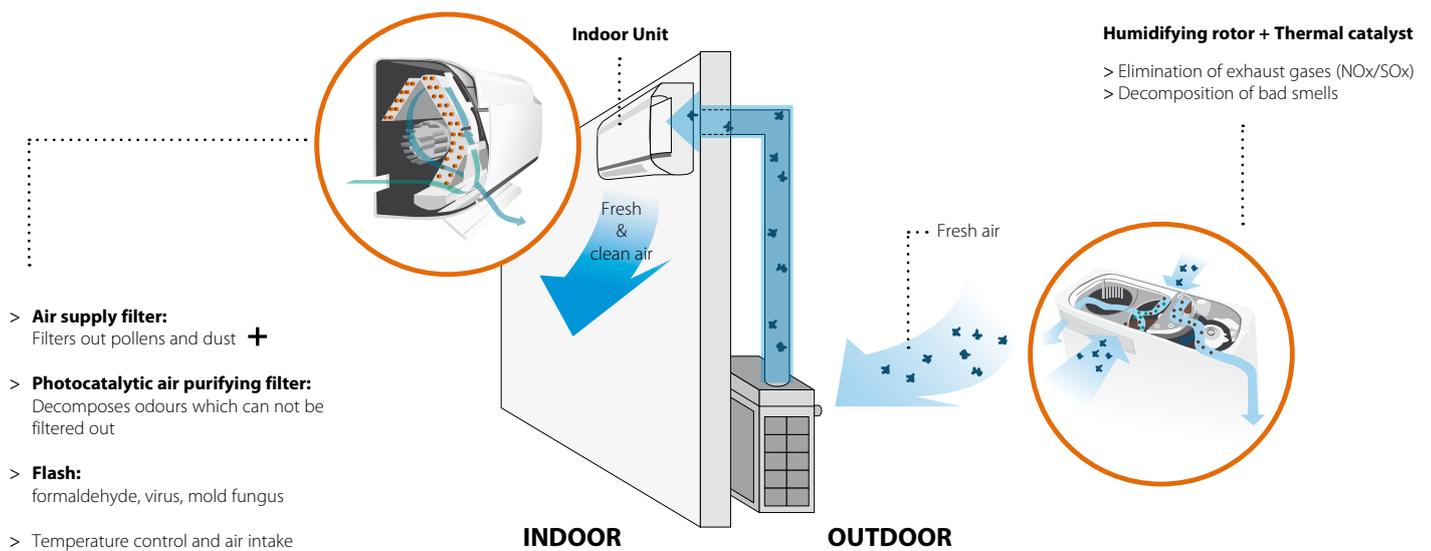
For the humidification, called "Ururu" in Japanese, moisture is absorbed from the outdoor air. Subsequently, this humidified air streams into the indoor unit and is evenly distributed throughout the indoor areas. The Ururu Multi, therefore, works without a water reservoirs and serves to evenly distribute humidified air. Humid heat operation however, is only available during the heat function and switchable from one room to the other.



Note: This illustration is for pair type. Position of the humidifying hose is different from that of a multi system.

2. Ventilation: fresh air, even with closed windows

Unlike the conventional multi system, the Ururu Multi brings fresh, clean and conditioned air into the room. Furthermore, the temperature of the incoming air is brought to the desired level without loss of heat or increase in temperature. 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.



Multi Possibilities

	URURU MULTI
Humidification	✓
Fresh air	✓
Heating & cooling	✓
Max. N° of indoor units	2
Max. Piping length	30
Operation range in heating	-15°C~15.5°C



In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

The present leaflet 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 leaflet 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 leaflet. All content is copyrighted by Daikin Europe N.V.



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

FSC

ECPEN12-013

Daikin products are distributed by: