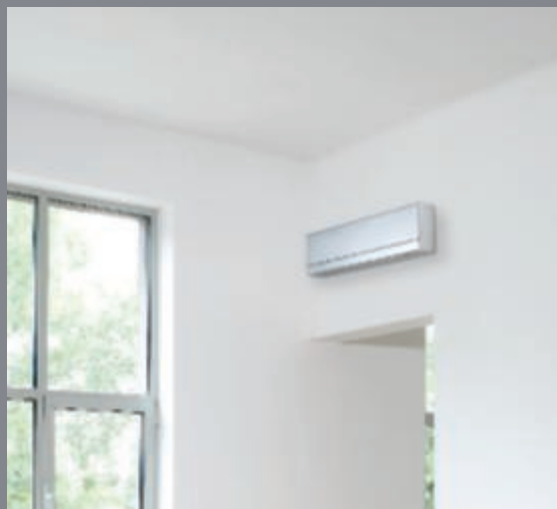
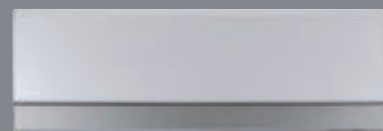


DAIKIN
AIR CONDITIONING



STYLE & COMFORT





Daikin has more than 80 years of experience in manufacturing advanced, high quality air conditioning equipment for residential, commercial and industrial applications.

2

In all of us,
a green heart



R-410A

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 environmentally friendly products. This challenge demands the eco design and development of a wide range of products and an energy management system; which involves energy conservation and reduction of waste.





In this brochure, you are introduced to the UX1, a sensational new air conditioning system by Daikin.

The UX1 is not only technologically ground-breaking, it also adds a new dimension of comfort to your life in a very distinctive, stylish way.

That is of course because of its unique combination of unparalleled technology and discrete design. Other winning ingredients of the UX1 are its optimum efficiency, extremely quiet noise level and draft-free operation.

The perfect balance between temperature, humidity, purity and air movement ... in one word: COMFORT. This is of course the result of various extremely advanced technological developments. Are you looking for an air conditioner with all these pluses? Daikin has the one !



4

STYLISH & COMPACT DESIGN

For the first time in history, Daikin has succeeded in creating an indoor unit with such a sleek profile, that you won't believe it is an air conditioning unit. In standby mode, the discharge opening is closed, resulting in a compact depth of only 15 cm.

When starting the unit up, the entire front panel slides smoothly open.

The front panel is made of clear material with a frosted surface, lending the unit a refined appearance with a cool luster. This adds a luxurious taste to the sleek compact stylishness.

This new stylish wall mounted unit is available in 2 colour variations : mat crystal white or mat crystal silver.

In Japan, the UX1 has already won the 'Good Design Award 2004'. This award is Japan's only synthetic design evaluation/recommendation system and is sponsored by the Japanese Industrial Design Promotion Organisation.



GOOD DESIGN
AWARD 2004
IN JAPAN

SENSATIONAL THINNING TECHNOLOGY

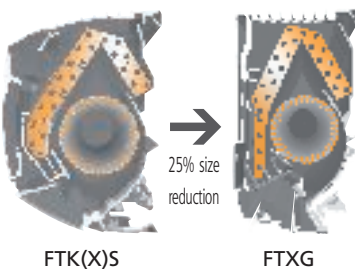
Due to the use of a slide-opening system, a high efficiency slit fin heat exchanger and a brand new cross flow fan with a smaller diameter, Daikin achieved a 25% size reduction in the depth of the indoor unit. .



SLIDE-OPENING SYSTEM :

Optimum air flow performance is ensured by the moving front panel. When starting the unit, the entire front panel slides outward to uncover the air inlet. At the same time, the flap deploys to reveal the air outlet. This innovative front panel design provides smooth movement and saves space.

The output from a single motor is divided into 2 shafts, and 3 gears transmit power to mechanisms on the left and right sides.



FTK(X)S

FTXG

HIGH EFFICIENCY SLIT FIN HEAT EXCHANGER:

Narrower gaps between the fins increase the available heat transfer surface area by 10%. The slit fin heat exchanger reduces air flow resistance to maintain top performance. The use of a single/dual row combined heat exchanger makes an even thinner design possible.



MINIATURE CROSS FLOW FAN:

The blade configuration has been optimized to achieve quiet operation and powerful air flow, while reducing the fan's diameter by 20% compared to conventional models.





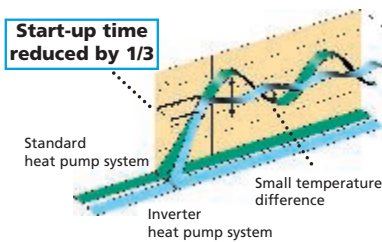
SUPERB ENERGY EFFICIENCY

INVERTER CONTROL:

Since several years, Daikin makes use of an integrated inverter control, ensuring maximum comfort and efficiency.

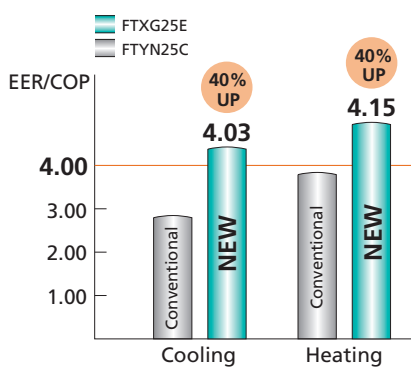
SHORT START-UP CYCLE :

Inverter control enables the required room temperature to be achieved quicker than with non-inverter units, in fact, start-up time is reduced by one third.



30% LESS POWER CONSUMPTION :

The inverter controller detects changes in room or outdoor conditions and adjusts the indoor temperature to compensate within seconds. Rapid response reduces power consumption to 30% lower than that of non-inverter systems.



Daikin has further improved the energy efficiency. At the same time it realized substantial energy savings compared to conventional models by achieving an industrial top class EER of 4.03 and COP of 4.15.

EER : Energy Efficiency Ratio / COP : Coefficient of Performance





This superb energy efficiency is achieved by applying 3 innovative energy-saving technologies, PAM control, a reluctance DC motor and DC fan motor and a swing compressor.

PAM INVERTER CONTROL:

The PAM (Pulse Amplitude Modulation) inverter technology results in better cooling and heating performances and lower energy consumption. With a minimum of power input, you get a maximum of comfort.

RELUCTANCE DC MOTOR AND DC FAN MOTOR:

Achieves high efficiency by applying reluctance torque to a DC motor for outdoor units.

The DC fan motor and its fine rotation control greatly improve energy consumption.

SWING COMPRESSOR:

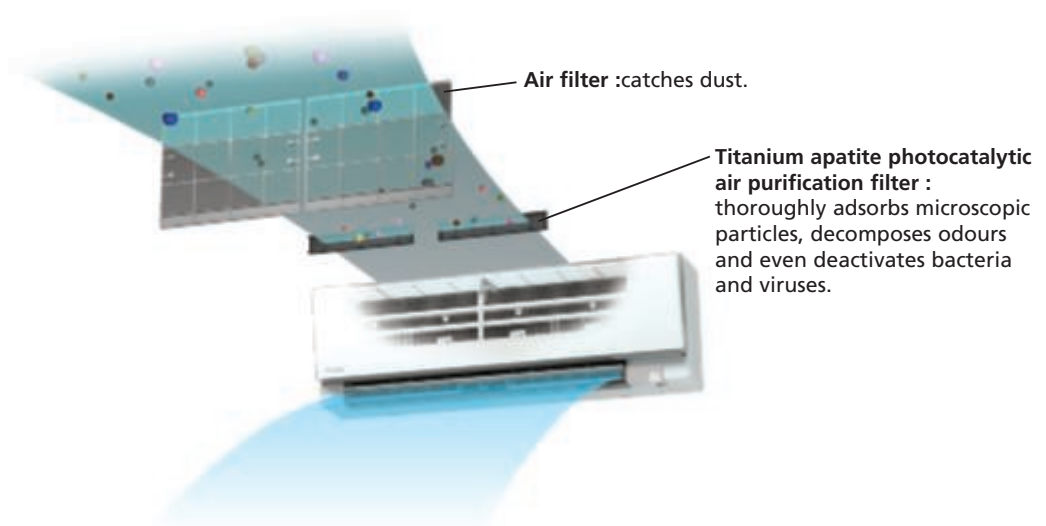
Energy efficiency is increased by avoiding operational friction and refrigerant gas leakage while minimizing the noise levels.



CLEAN & COMFORTABLE AIR FLOW

TITANIUM APATITE PHOTOCATALYTIC AIR PURIFICATION FILTER :
For the first time, a titanium apatite photocatalytic air purification filter is integrated in an air conditioning unit.

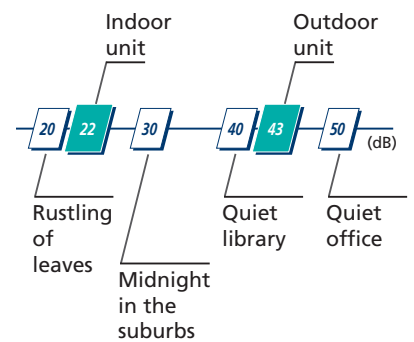
Micron-scale fibres trap dust while the titanium apatite absorbs organic contaminants such as bacteria and viruses. In addition, the titanium oxide is activated by natural light, allowing it to break down and eliminate odours. The filter effectively deactivates bacteria and viruses. It lasts for three years without replacement if washed about every six months.



CLEAN & COMFORTABLE AIR FLOW

SUPER QUIET :

The indoor/outdoor unit silent operation function brings us comfort by offering an industry top-level quiet operation of 22dB(A) for the indoor unit and 43dB(A) for the outdoor unit.



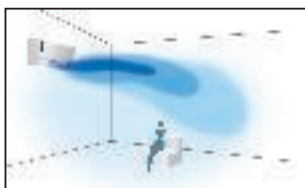
COMFORT MODE :

This new 'Comfort mode' function reassures draft-free operation. The wide-angle distribution flap makes sure that cold or warm air is smoothly spread throughout the room. During cooling operation the flap angle turns horizontally to prevent cold air blowing directly on you, while during heating operation it turns downward vertically to send the warm air directly to the feet.

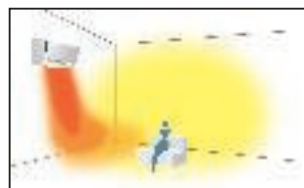


One touch for 'Comfort Mode'

Cooling mode



Heating mode

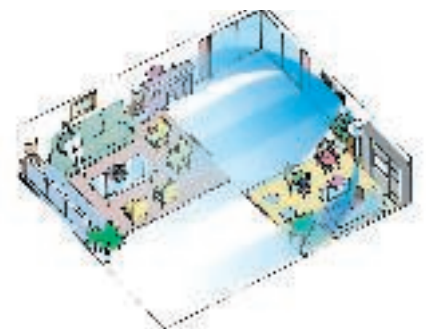


VERTICAL AUTO-SWING/HORIZONTAL AUTO-SWING/ 3-D AIRFLOW

Vertical Auto-Swing automatically moves the flaps up and down to ensure an even distribution of air throughout the room.

Horizontal Auto-Swing automatically moves the louvers to the left and right to cover the room with cool/warm air.

This function combines Vertical and Horizontal Auto-Swing to circulate a stream of cool/warm air right to the corners of even large spaces.



OTHER FEATURES



Infrared remote control (standard)

Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.



Centralised control (optional)

Centralised control to start, stop and regulate several air conditioners from one central point.



Auto-restart

The unit restarts automatically at the original settings after power failure.



Auto cooling/heating changeover

Automatically selects cooling or heating mode to achieve the set temperature.



Dry programme

Allows humidity levels to be reduced without variations in room temperature.



Auto fan speed

Automatically selects the necessary fan speed to reach or maintain the set temperature.



Fan speed steps

Allows to select up to the given number of fan speed steps.



24 Hour timer

Timer can be set to start cooling/heating anytime during a 24-hours period.



Night set mode

Saves energy, by preventing overcooling or overheating during night time.



Self-diagnosis

Simplifies maintenance by indicating system faults or operating anomalies.



Energy efficiency

Daikin air conditioners are energy efficient and economical.



Whisper quiet

Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood.



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.



Movement sensor

The sensor detects whether someone is in the room. When the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.



Outdoor unit silent operation

Lowers the operation sound of the outdoor unit by 3dB(A) to ensure a quiet environment for the neighbourhood.



Indoor unit silent operation

Lowers the operation sound of the indoor unit by 3dB(A). This function is useful when studying or sleeping.



Multi model application

Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.



Super multi plus

Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

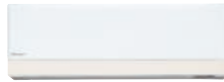


CAPACITY & POWER INPUT

HEAT PUMP - INVERTER CONTROLLED (air cooled)			FTXG25E-W/S RXG25E	FTXG35E-W/S RXG35E	CTXG50E-W/S 2,3,4,5MXS-E/RMXS-E
Capacity (min.-nom.-max)	cooling	kW	1.30~2.50~3.00	1.40~3.50~3.80	For more detailed information about capacities, power input, EER/COP, Energy label and Annual energy consumption, please refer to our Multi Model catalogue/combination tables/Super Multi Plus catalogue or check with your local dealer.
	heating	kW	1.30~3.40~4.50	1.40~4.20~5.00	
Power input (min.-nom.-max)	cooling	kW	0.30~0.62~0.95	0.30~1.06~1.29	
	heating	kW	0.29~0.82~1.42	0.31~1.13~1.56	
EER			4.03	3.30	
COP			4.15	3.72	
Energy label	cooling		A	A	
	heating		A	A	
Annual energy consumption	cooling	kWh	310	530	

1) Energy label: scale from A (most efficient) to G (less efficient)

2) Annual energy consumption: based on average use of 500 running hours per year at full load (=nominal conditions)



SPECIFICATIONS INDOOR UNITS

INDOOR UNIT				FTXG25E-W/S	FTXG35E-W/S	CTXG50E-W/S
Dimensions	HxWxD	mm	275x840x150			
Weight		kg	9.0			
Front panel colour	Mat crystal white (W) / Mat crystal silver (S)					
Air flow rate	cooling	H/L/SL	m³/min	7.7/4.7/3.8	8.1/4.9/4.1	11.3/7.1/6.7
	heating	H/L/SL	m³/min	9.0/6.7/5.4	9.6/6.7/5.9	12.6/8.7/7.7
Fan speed	5 steps, silent and auto					
Sound pressure level	cooling	H/L/SL	dB(A)	38/25/22	39/26/23	47/35/32
	heating	H/L/SL	dB(A)	38/28/25	39/29/26	47/35/32
Sound power level	cooling	H	dB(A)	56	57	64

CONTROL SYSTEMS & ACCESSORIES

INDOOR UNIT	FTXG25E-W/S	FTXG35E-W/S	CTXG50E-W/S
Wiring adapter for time clock/remote control (1) (normal open / open pulse contact)		KRP413A1S	
Centralised control board up to 5 rooms (2)		KRC72	
Central remote control		DCS302C51	
Unified ON/OFF control		DCS301B51	
Schedule timer		DST301B51	
Interface adapter (3)		KRP928A2S	
Titanium apatite photocatalytic air purification filter (with frame)		KAF952B41	
Titanium apatite photocatalytic air purification filter (without frame)		KAF952B42	
Anti-theft protection for remote control		KKF917AA4	

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SPECIFICATIONS OUTDOOR UNITS



OUTDOOR UNIT				RXG25E	RXG35E
Dimensions	HxWxD	mm	550x765x285		
Weight		kg	32		
Casing colour	Ivory white				
Sound pressure level	cooling	H/L	dB(A)	46/43	47/44
	heating	H/L	dB(A)	47/44	48/45
Sound power level	cooling	H	dB(A)	61	62
Compressor	Hermetically sealed swing type				
Maximum piping length		m	20		
Maximum level difference		m	15		
Standard operation range	cooling	from~to	°CDB	+10~46	
	heating	from~to	°CWB	-15~20	

ACCESSORIES

OUTDOOR UNIT	RXG25E	RXG35E
Air direction adjustment grille	KPW937A4	



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



ISO14001 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.



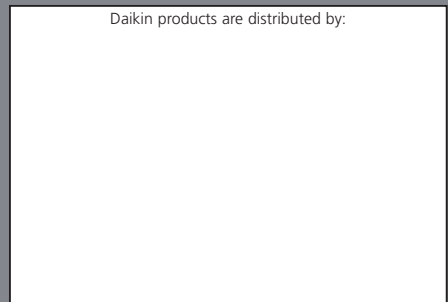
Daikin units comply with the European regulations that guarantee the safety of the product.



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

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