Air conditioners

Heating & Cooling

Wall mounted unit

- SEER up to A++
- Discreet, modern design
- Whisper quiet in operation
- The right indoor for the right room
- Heat pump system

www.daikin.eu

FTXS-20-25K/CTXS-15-35K

FTXS35-42-50K

FTXS-60-71G

Europe's new energy label:
raising the bar on energy efficiency.

To realise its challenging 20-20-20 environmental goals, Europe is imposing minimum efficiency requirements for energy related projects. These minimum requirements come into effect on 1 January 2013, and will be revised upward in subsequent years.

Not only does the Eco-Design Directive systematically raise the minimum requirements with respect to environmental performance, the method used to measure this performance has also been changed to better reflect real-life conditions. The new seasonal performance rating provides a much more accurate picture of actual expected energy efficiency over an entire heating or cooling season.

SEASONAL EFFICIENCY
Smart use of energy

The ideal solution

Our wall-mounted units use the latest in heat-pump technology combined with advanced engineering and design to make them ideal for all rooms in the house. Blending easily with the interior décor and operating extremely quietly, these units provide optimal climate control throughout the year making them ideal for rooms that are being refurbished and in well-insulated houses.

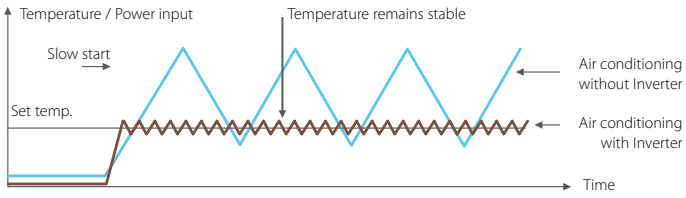
Designed to meet the exacting requirements of the modern home as well as to deliver a performance that far exceeds that demanded by the seasonal efficiency rules, these wall-mounted heat pump units with their inverter technology also deliver a reduced carbon footprint together with reduced heating and cooling costs.

Inverter technology

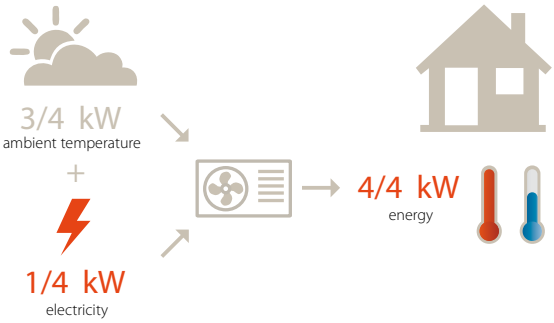
Daikin's inverter technology is a true innovation in the field of climate control. The principle is simple: inverters adjust the power used to suit the actual requirement - no more, no less! This technology provides you with two concrete benefits:

- **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:



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



Did you know that ...

Air-to-air 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

Optimal design and comfort for the whole home

Integrated design

- Discreet, modern design. Its smooth curve blends beautifully with the wall resulting in an unobtrusive presence that matches all interior décors.
- High quality matt crystal white finish.
- New remote controller design, in the same high quality matt white finish to create a perfect match with the indoor unit.

Top performance

The FTXS-K series delivers top performance with seasonal energy efficiency ratings up to A++ and they are equipped with a weekly timer and intelligent eye to generate further energy savings. The weekly timer allows you to programme your unit so that it best suits your needs, whereas the intelligent eye detects the presence of people in the room and activates the economy mode when no one is there.

The right indoor for the right room

We have a full range of wall units to provide optimal design and comfort in any room in your home.

Our small wall mounted units (CTXS15,35K and FTXS20,25K) are optimised for the modern bedroom.

- Recognising the trend for less spacious bedrooms and better insulation, we extended our range with the 15 class to deliver exactly the right comfort in smaller rooms.
- In general, silence is even more important in bedrooms than in living areas: our small wall mounted series go almost unnoticed with operating sound levels as low as 19dBA.

Our larger wall mounted units (FTXS35, 42, 50K) deliver perfect comfort to your living area.

- The new discharge air pattern - using the `Coanda effect' - provides a greater airflow length ensuring perfect comfort in every corner of your living room.
- The two-area intelligent eye detects where people are located in the room and can project the airflow away from the occupants to avoid direct draught.
- To optimize your comfort even further the new wall mounted series are whisper quiet.

Infrared remote control (Standard) ARC466A1

Open

Ultra-efficient home heating comfort

When selecting the energy saving function **ECONO mode** the power consumption decreases so that other appliances that need large power consumption can be used.

No air current any more, as the air flow is directed away from the occupant. If the **2-area intelligent eye** detects people in the room, the air flow is directed to a zone other than were the persons are located at that moment. If no people are detected, the unit switches to its energy-efficient setting (FTXS35,42,50K).

The **1-area intelligent eye** detects whether someone is in the room. If the room is empty, the unit switches to economy mode after 20 minutes, and restarts when someone enters the room (CTXS15,35K and FTXS20,25K).

Energy saving during operation standby: current consumption is reduced by about 80% when operating on standby (Classes 20, 25, 35 ,42).

Night set mode: ensuring a good night sleep and saving energy, by preventing overheating or overcooling during night time.

The **comfort mode** guarantees draught-free operation in heating mode, the warm air is directed at the floor. In cooling mode, the cold air is directed to the ceiling.

3D air distribution: combination of vertical and horizontal auto-swing to circulate the air evenly in even large rooms or in corners (FTXS35,42,50K).

Built-in intelligence

The infrared remote control is user-friendly and equipped with **energy saving functions** such as a **weekly timer**. The timer allows you to programme a 7-day schedule with 4 different actions per day.

Rapidly heat up or cool down the room in 20 minutes with **powerful operation**. After this period, the unit returns to its original setting.

Whisper quiet operation: the sound of the indoor units is that low that it can hardly be heard: FTXS/CTXS-K series go down to only **19dBA**!.

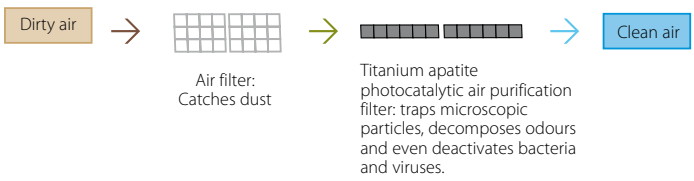
By pushing the **indoor unit silent operation**, the indoor units will lower their noise emissions by another 3dBA!

To ensure a quiet environment of the neighbourhood, the operation sound of the outdoor unit can be lowered by 3dBA.

Always in control, no matter where you are. Possibility to control your indoor unit from **any location** via app or internet. (FTXS35,42,50,60,71)

A source of pure air

Dust and odours are trapped by the **titanium apatite photocatalytic air purification filter** but also bacteria and viruses are decomposed in order to provide you cleaner air.



Heating & Cooling

INDOOR UNIT				CTXS15K	CTXS35K	FTXS20K	FTXS25K	*FTXS35K	*FTXS42K	*FTXS50K	FTXS60G	FTXS71G
Cooling capacity	Min./Nom./Max.		kW	Only available in multi model application		1.3/2.0/2.8	1.3/2.5/3.2	1.4/3.5/4.0	1.7/4.2/5.0	1.7/5.0/5.3	1.7/6.0/6.7	2.3/7.1/8.5
Heating capacity	Min./Nom./Max.		kW			1.3/2.5/4.3	1.3/2.8/4.7	1.4/4.0/5.2	1.7/5.4/6.0	1.7/5.8/6.5	1.7/7.0/8.0	2.3/8.2/10.2
Seasonal efficiency (according to EN14825)	Cooling	Energy label				A+	A++	A++	A++	A++	A	A
		Pdesign	kW			2.00	2.50	3.5	4.2	5	6.00	7.10
		SEER				5.71	6.37	6.89	6.20	6.35	5.35	5.23
		Annual energy consumption	kWh			123	137	178	237	276	393	475
	Heating (Average climate)	Energy label				A++	A++	A++	A+	A+	A	A
		Pdesign	kW			2.30	2.50	3.60	4.00	4.60	4.80	6.50
		SCOP				4.75	4.63	5.03	4.10	4.45	3.75	3.59
		Annual energy consumption	kWh			678	755	1,002	1,366	1,447	1,790	2,529
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER					4.65	4.39	4.27	3.44	3.47	3.02	3.02
	COP					4.55	4.52	4.82	4.39	4.53	3.43	3.22
	Annual energy consumption		kWh			215	285	410	610	720	995	1,175
	Energy label	Cooling/Heating				A/A	A/A	A/A	A/A	A/A	B/B	B/C
Casing	Colour			White		White	White	White	White	White	White	White
Dimensions	Unit	HeightxWidthxDepth	mm	289x780x215		289x780x215	289x780x215	298x900x215	298x900x215	298x900x215	290x1,050x250	290x1,050x250
Weight	Unit		kg	8		8	8	16	16	16	12	12
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m^3/min	7,9/6,3/4,7/3,9	9,0/7,5/6,0/4,3	8.8/6.7/4.7/3.9	9.1/7.0/5.0/3.9	12.0/-/-/-	12.0/-/-/-	12.3/-/-/-	16.0/13.5/11.3/10.1	17.2/14.5/11.5/10.5
	Heating	High/Nom.	m^3/min	9,2/7,2/5,2/3,9	10,1/8,1/6,3/4,3	9.5/7.8	10.0/8.0	12.9/-	12.9/-	13.3/-	17.2/14.9	19.5/16.7
Sound power level	Cooling	High/Nom.	dBA	53	58	-/56	-/57	59/-	59/-	60/-	61/-	62/-
	Heating	High/Nom.	dBA	54	57	-/56	-/57	59/-	59/-	60/-	60/-	62/-
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	37/31/25/21	42/35/28/21	40/32/24/19	41/33/25/19	45/37/29/19	45/39/33/21	46/40/34/23	45/41/36/33	46/42/37/34
	Heating	High/Nom./Low/Silent operation	dBA	38/33/28/21	41/36/30/21	40/34/27/19	41/34/27/19	45/39/29/19	45/39/33/22	47/40/34/24	44/40/35/32	46/42/37/34
Piping connections	Liquid	OD	mm	6,35		6.35	6.35	6.35	6.35	6.35	6.35	6.35
	Gas	OD	mm	9,52		9.5	9.5	9.5	9.5	12.7	12.7	15.9
	Drain	OD	mm	18,0		18.0	18.0	-	-	-	18.0	18.0
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240

OUTDOOR UNIT					RXS20K	RXS25K	*RXS35K	*RXS42K	*RXS50K	RXS60F	RXS71F
Dimensions	Unit	HeightxWidthxDepth	mm	Only available in multi model application	550x765x285	550x765x285	550x765x285	550x765x285	735x825x300	735x825x300	770x900x320
Weight	Unit		kg		34	34	34	39	48	48	71
Fan - Air flow rate	Cooling	High/Low	m^3/min		33.5/30.1	33.5/30.1	-/-	-/-	-/-	50.9/42.4	54.5/57.1
	Heating	High/Low	m^3/min		28.3/25.6	28.3/25.6	-/-	-/-	-/-	46.3/42.4	52.5/46.0
Sound power level	Cooling	Nom./High	dBA		-/61	-/61	-/63	-/63	-/63	63/-	66/-
Sound pressure level	Cooling	High/Low/Silent operation	dBA		46/-/43	46/-/43	48/44/-	48/44/-	48/44/-	49/46/-	52/49/-
	Heating	High/Low/Silent operation	dBA		47/-/44	47/-/44	48/45/-	48/45/-	48/45/-	49/46/-	52/49/-
Operation range	Cooling	Ambient Min.~Max.	°CDB		-10~46	-10~46	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	Ambient Min.~Max.	°CWB		-15~18	-15~18	-15~20	-15~20	-15~20	-15~20	-15~20
Refrigerant	Type/GWP				R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU Max.	m		20	20	20	20	30	30	30
	Level difference	IU - OU Max.	m		15	15	15	15	20	20	20
Power supply	Phase / Frequency / Voltage		Hz / V		1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240	1~ / 50 / 220-240
Current - 50Hz	Maximum fuse amps (MFA)		A		10	10	-	-	-	20	20

(1) EER/COP according to Eurovent 2012

*Note: grey cells contain preliminary data

Indoor unit
FTXS20,25K/CTXS15,35K

Infrared remote control
ARC466A1

Outdoor unit
RXS20,25K

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.

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

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