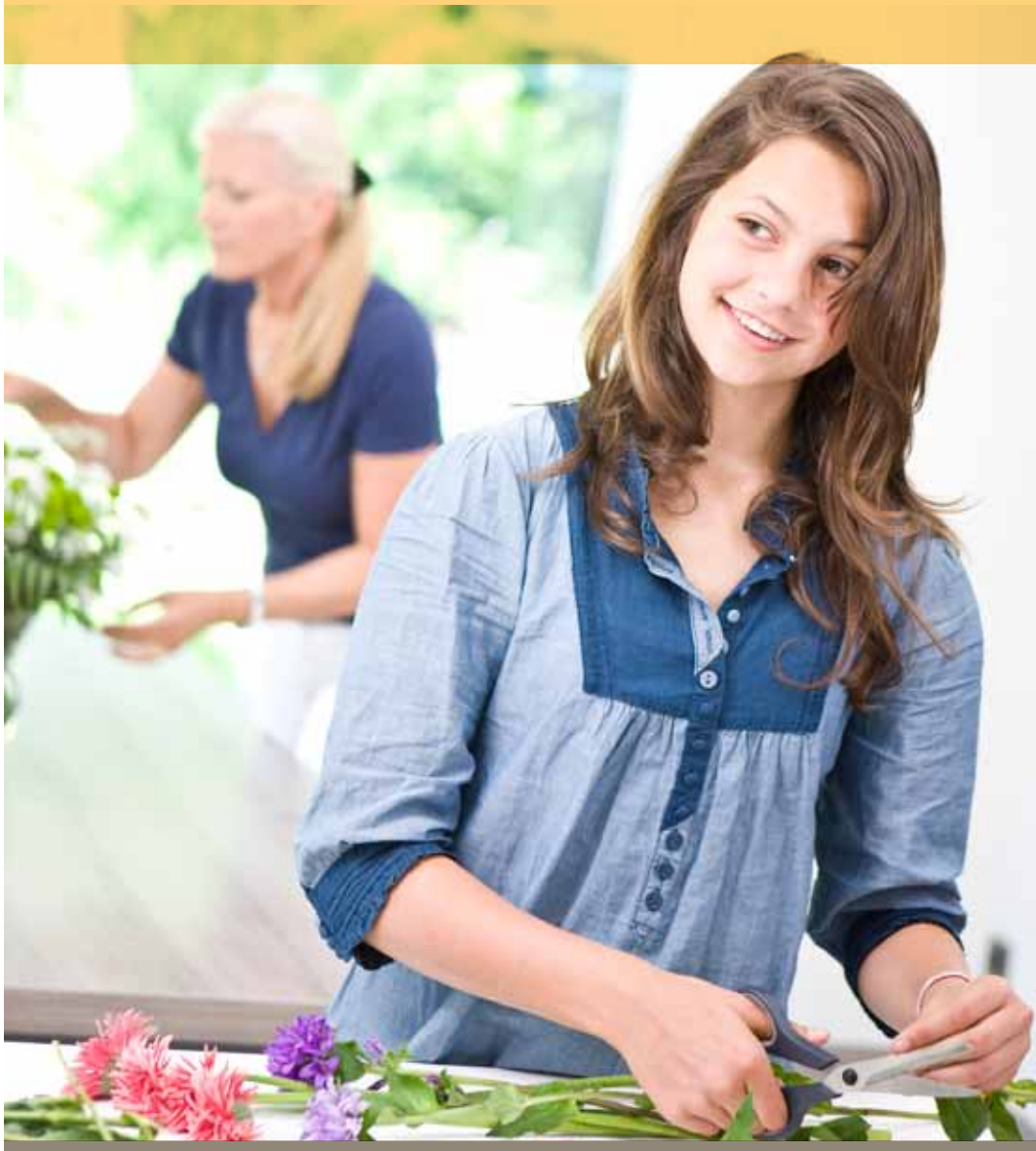
DAIKIN

Air conditioners

Heating & Cooling

Wall mounted unit



www.daikin.eu

- **Energy label: Up to class A**
- **Heat pump system**
- **Inverter technology**
- **2-area intelligent eye**
- **Draught-free operation**
- **As silent as rustling leaves**

INVERTER

FTXS-J/G

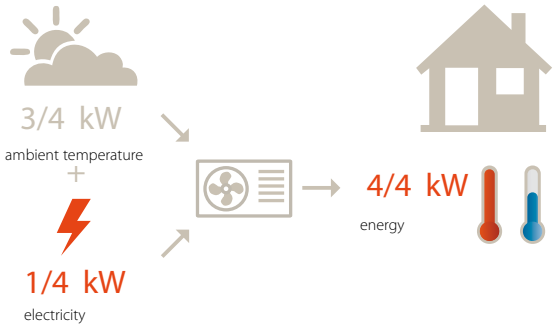
For every home, for every room

Daikin's wall mounted units are an ideal solution when refurbishing your room. They have a modern design and look, extremely quiet in operation, they are energy efficient and create a very comfortable living room, kitchen or bedroom climate, day or night - the whole year round.

These wall mounted heat pumps are all-in-one heating and cooling solutions, meaning comfortably warm in winter and cool in summer.

The indoor unit can be used in pair application, with one indoor unit connected to one outdoor unit, or in multi application, with up to nine indoor units in different rooms connected to one outdoor unit.

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

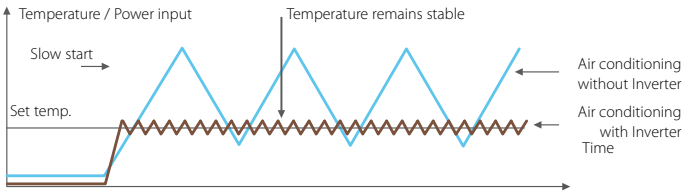
Inverter technology

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:



Seasonal efficiency: even more energy efficient!

Europe has set challenging environmental targets for 2020. In line with these goals, more accurate measurement of the real-life energy efficiency of systems will be required from 2013. This 'Eco-Design' directive defines the concept of 'Seasonal Efficiency' which measures the performance across an entire heating and cooling season rather than selecting a fixed point (EER). From 2013, the SEER of a system must be published. Daikin is leading the way towards more energy efficient climate solutions and is actively contributing to the development of the Eco-Design methodology by sharing experience and technical knowledge. Daikin is the first manufacturer to publish the SEERs for domestic and commercial installations and first to integrate the Eco-Design principles in the light commercial segment by launching the Sky Air® ranges optimised for seasonal efficiency. Contact your local dealer for more information of seasonal efficiency.

Infrared remote control (Standard) ARC4523

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 (classes 20~50).

The **movement sensor** 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 (classes 60, 71).

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.

3-D

3D air distribution: combination of vertical and horizontal auto-swing to circulate the air evenly in even large rooms or in corners.

Built-in intelligence

The infrared remote control is user-friendly and equipped with 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.

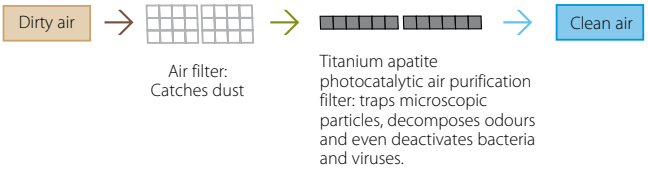
Whisper quiet operation: the sound of the indoor units is so low it can be compared to rustling leaves (down to 25dBA for FTXS20J). By pushing the indoor unit silent operation, the indoor units will lower their noise emissions by another 3dBA!

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

Engaging **night quiet mode** (multi application only) and silent operation together will cause both the indoor (silent operation) and outdoor unit (night quiet mode) to lower their sound levels by 3dBA.

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				FTXS20J	FTXS25J	FTXS35J	FTXS42J	FTXS50J	FTXS60G	FTXS71G
Cooling capacity	Min./Nom./Max.		kW	1.3/2.0 (3)/2.8	1.3/2.5 (3)/3.2	1.4/3.5 (3)/4.0	1.7/4.2 (3)/5.0	1.7/5.0 (3)/5.3	1.7/6.0 (3)/6.7	2.3/7.1 (3)/8.5
Heating capacity	Min./Nom./Max.		kW	1.3/2.7 (4)/4.3	1.3/3.3 (4)/4.7	1.4/4.0 (4)/5.2	1.7/5.4 (4)/6.0	1.7/5.8 (4)/6.5	1.7/7.0 (4)/8.0	2.3/8.2 (4)/10.2
Power input	Cooling	Min./Nom./Max.	kW	0.320/0.450/0.810	0.320/0.535/0.810	0.350/0.860/1.190	0.440/1.210/2.330	0.440/1.460/1.810	-/1.99/-	-/2.35/-
	Heating	Min./Nom./Max.	kW	0.310/0.610/1.290	0.310/0.710/1.290	0.340/0.950/1.460	0.400/1.450/1.980	0.400/1.530/2.000	-/2.04/-	-/2.55/-
EER				4.44	4.67	4.07	3.47	3.42	3.02	
COP				4.43	4.65	4.21	3.72	3.79	3.43	3.22
SEER				4.55	4.99	5.10	4.70	4.65	4.04	3.85
Annual energy consumption			kWh	225	268	430	605	730	995	1,175
Energy label	Cooling/Heating			A/A					B/B	B/C
Casing	Colour			White						
Dimensions	Unit	HeightxWidthxDepth	mm	295x800x215					290x1,050x250	
Weight	Unit		kg	9		10			12	
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m^3/min	9.4/7.4/5.5/4.1	10.8/7.9/5.2/3.7	11.4/8.7/5.8/4.4	11.3/9.0/6.8/5.9	11.6/9.2/7.0/6.0	16.0/13.5/11.3/10.1	17.4/-/-/-
	Heating	High/Nom./Low/Silent operation	m^3/min	9.9/8.2/6.6/6.2	11.9/9.1/6.4/5.9	12.4/9.5/6.8/6.0	12.2/9.7/7.3/6.4	12.1/9.8/7.6/6.7	17.2/14.9/12.6/11.3	19.7/-/-/-
Sound power level	Cooling	High/Nom.	dBA	-/54	-/57	-/61		-/62	-/61	62/-
	Heating	High/Nom.	dBA	54	58	61		63	-/60	62/-
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/25/22	41/33/25/22	45/37/29/23	45/39/33/30	46/40/34/31	45/41/36/33	46/42/37/34
	Heating	High/Nom./Low/Silent operation	dBA	38/33/28/25	42/35/28/25	45/39/29/26	45/39/33/30	47/41/34/31	44/40/35/32	46/42/37/34
Piping connections	Liquid	OD	mm	6.35					-	6.35
	Gas	OD	mm	9.52				12.7	-	15.9
	Drain	OD	mm	18.0					-	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240						

(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) (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m (5) SL: The silent fan level of the air flow rate setting

Outdoor unit				RXS20J	RXS25J	RXS35J	RXS42J	RXS50J	RXS60F	RXS71F
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285				735x825x300	735x825x300	770x900x320
Weight	Unit		kg	32	34		39	48	48	71
Sound power level	Cooling	Nom.	dBA	-/61		-/63			63	66
Sound pressure level	Cooling	High/Low	dBA	46/43		48/44			49/46	52/49
	Heating	High/Low	dBA	47/44		48/45			49/46	52/49
Compressor	Type			Hermetically sealed swing compressor						
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10~46					-10~46	
	Heating	Ambient Min.~Max.	°CWB	-15~18					-15~20	
Refrigerant	Type			R-410A						
	Piping length	Max. OU - IU	m	20				30		
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)						
	Level difference	IU - OU Max.	m	15				20		
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240						

Indoor unit
FTXS20,25,35,42,50J

Infrared remote control
ARC452A3

Outdoor unit
RXS35G

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.

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 of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

FSC

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