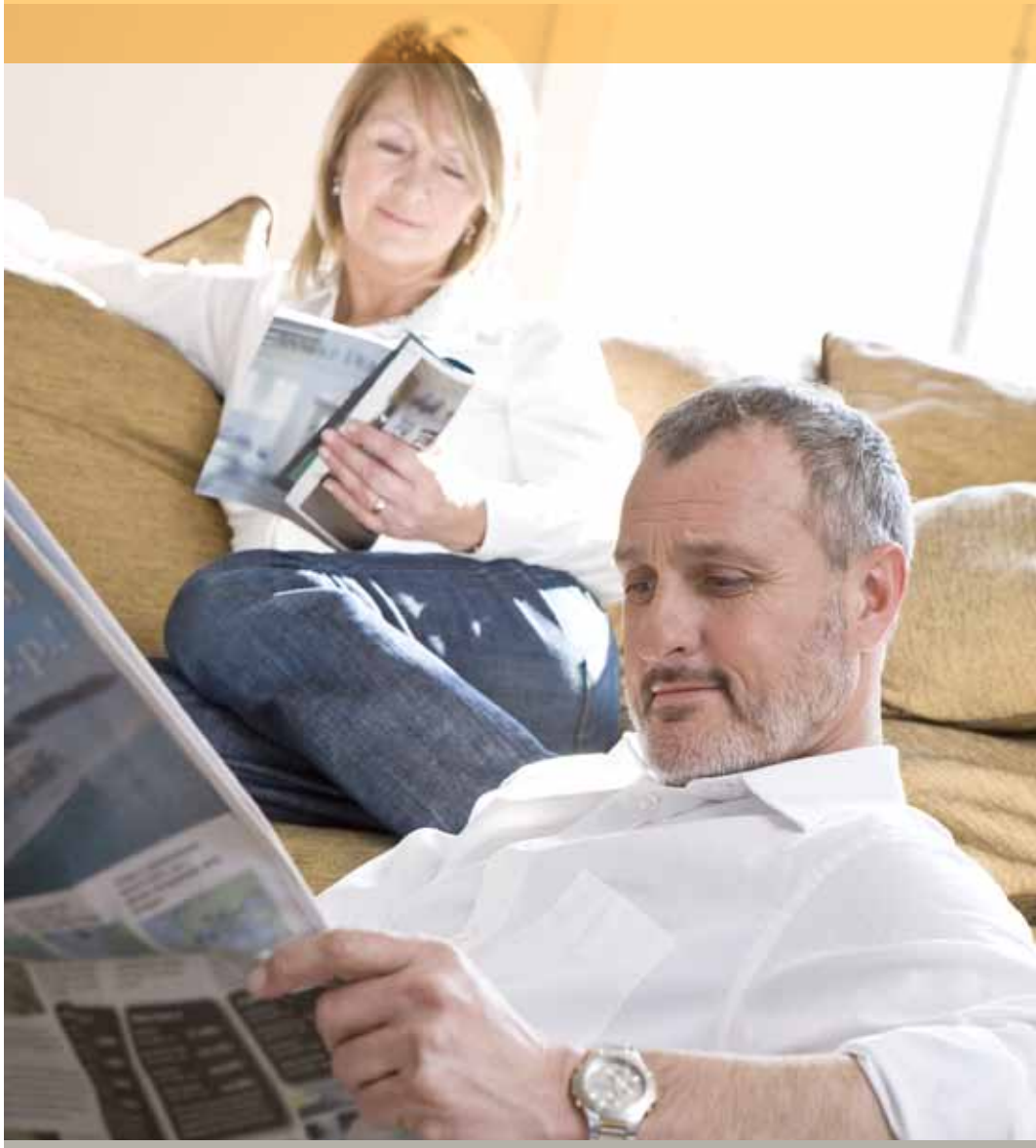
Air conditioners

Heating & Cooling

Wall mounted unit

- Indoor unit silent operation
- Vertical auto swing
- Special air filter improves indoor air quality
- Anti-corrosion treated outdoor heat exchanger fin
- SEER/SCOP: A



www.daikin.eu

FTXN-L9

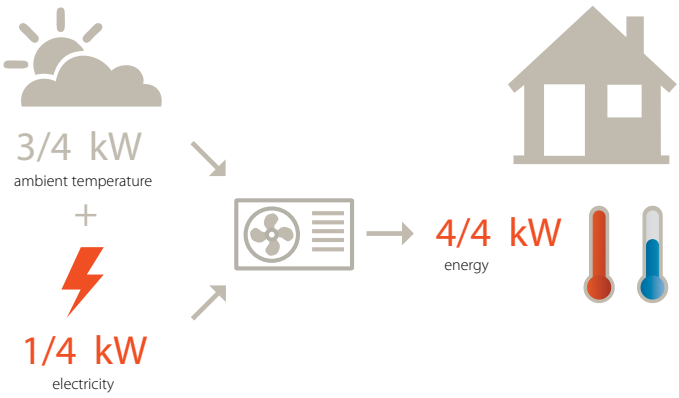
For every home, for every room

Daikin's wall mounted units are an ideal solution when refurbishing your room. They have a modern design and look and are 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.

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 a renewable source: 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 SCOP (Seasonal Coefficient Of Performance) for heating and SEER (Seasonal Energy Efficiency Ratio) for cooling.

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:

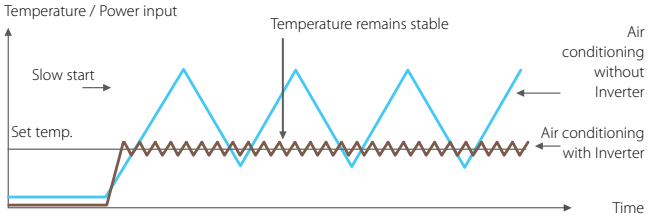
Comfort

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:



A comfortable feeling for every home and every room

Whisper quiet operation: the sound of the indoor units is so low it can be compared to rustling leaves (down to 21dBA for FTXN25L9).

Vertical auto swing: this unit supports the selection of vertical auto swing, which ensures the even distribution of air and a homogeneous room temperature.

Titanium photocatalytic air purification filter: Removes airborne dust particles, decomposes odours and restrains the reproduction of bacteria, viruses, microbes, this to ensure a steady supply of clean air.

Dry programme : with the special dry programme, the humidity level in the room is reduced without temperature fluctuations.

Comfortable sleeping mode : Increased comfort function that follows a specific temperature fluctuation rhythm.

Fan only: the air conditioner can be used as fan, blowing air without cooling or heating.

Built-in intelligence

The infrared remote control is user-friendly and equipped with an on/off timer.

Infrared remote control (Standard)

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

24 Hour timer : Timer can be set to start cooling/heating anytime during a 24-hour period.

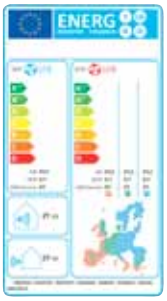
Europe's new energy label: raising the bar on energy efficiency

To realise its challenging 20-20-20 environmental goals, Europe is imposing minimum efficiency requirements for energy related projects. These minimum requirements came 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.

Completing the picture is a new energy label for EU. The present label, introduced in 1992 and modified in the meantime, allows consumers to compare and make purchasing decisions based on uniform labelling criteria. The new label includes multiple classifications from A+++ to D reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the new label includes not only the new seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and sound levels. It will allow end-users to make even better informed choices, since seasonal efficiency reflects air conditioner or heat pump efficiency over an entire season.

SEASONAL EFFICIENCY



Heating & Cooling

INDOOR UNIT					FTXN25L9	FTXN35L9	FTXN50L9	FTXN60L9
Cooling capacity	Min./Nom./Max.			kW	1.30/2.52/3.00	1.30/3.32/3.80	1.88/5.45/6.20	2.00/6.21/6.50
Heating capacity	Min./Nom./Max.			kW	1.30/2.84/4.00	1.30/3.50/4.80	1.32/5.62/6.60	1.56/6.40/7.10
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A			
		Pdesign		kW	2.52	3.32	5.45	6.21
		SEER			5.29	5.48	5.50	5.24
		Annual energy consumption		kWh	167	213	347	415
	Heating (Average climate)	Energy label			A			
		Pdesign		kW	1.91	2.35	4.40	4.48
		SCOP			3.61	3.81	3.46	3.48
		Annual energy consumption		kWh	740	864	1,780	1,802
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER				3.41	3.24	3.55	3.23
	COP				4.06	3.76	3.75	3.74
	Annual energy consumption			kWh	370	512	768	961
	Energy label	Cooling			A			
		Heating			A			
Casing	Colour				White			
	Material				High impact polystyrene			
Dimensions	Unit	HeightxWidthxDepth		mm	288x800x212		310x1,065x229	
Weight	Unit			kg	9.0		14.0	
Fan - Air flow rate	Cooling	Super high/High/Nom./Low/Silent operation		m^3/min	10.7/9.8/7.7/6.1/4.7	11.1/10.1/8.0/6.6/4.7	16.4/15.0/13.3/11.8/10.6	19.9/18.5/16.6/14.4/12.4
	Heating	Super high/High/Nom./Low/Silent operation		m^3/min	10.7/9.8/7.7/6.1/4.7	11.1/10.1/8.0/6.6/4.7	16.4/15.3/13.3/11.8/10.6	19.9/18.9/16.6/14.4/12.4
Fan - External static pressure	Super high/High/Nom./Low			Pa	0/0/0/0			
Sound power level	Cooling	High		dBA	53	54	55	61
Sound pressure level	Cooling	Super high/High/Nom./Low/Silent operation		dBA	41/40/34/29/21	42/41/34/30/22	44/40/38/35/32	46/43/41/37/33
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	15.9
	Drain	OD		mm	16.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			

(1) EER/COP according to Eurovent 2012

OUTDOOR UNIT					RXN25L9	RXN35L9	RXN50L9	RXN60L9
Dimensions	Unit	HeightxWidthxDepth		mm	550x658x289		753x855x328	
Weight	Unit			kg	28	30	49	
Compressor	Type				Hermetic swing			
Sound power level	Cooling	High		dBA	60	62	65	66
Sound pressure level	Cooling	High		dBA	46	48	51	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	10~46		-10~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-410A			
	GWP				1,975			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5		12.7	15.9
	Drain	OD		mm	16.5			
	Piping length	OU - IU	Max.	m	20		30	
	Level difference	IU - OU	Max.	m	10			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			

Indoor unit FTXN25-35L9

Infrared remote control

Outdoor unit RXN25-35L9

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