



Air Conditioners

# Heating & Cooling

Flexi Type Unit

- » **Flexible installation:**  
lower wall or  
ceiling suspended
- » **Constant comfort**  
throughout the room
- » **As silent as**  
rustling leaves



[www.daikin.eu](http://www.daikin.eu)



FLXS-B



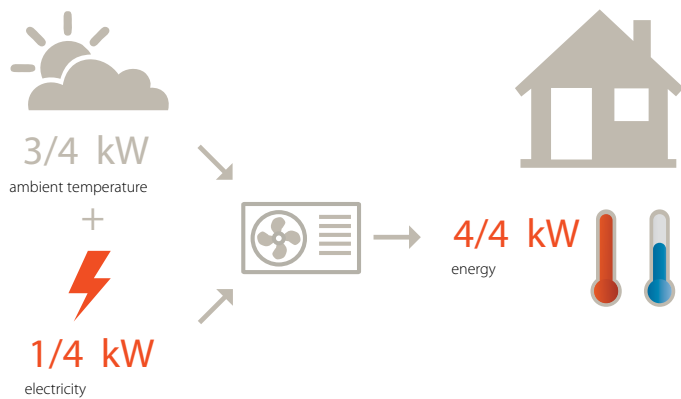


## A flexible solution for every home & every room

Thanks to Daikin, a comfortable living climate is available to everyone the whole year through. This flexi type unit offers flexible solutions as either lower floor or ceiling suspended installation is possible. The high-quality heat pumps of Daikin not only offers the possibility of cooling, it can also provide warmth. That way you can adjust the indoor temperature perfectly to your personal needs, both in the summer and winter seasons.

The indoor unit can be used in pair application, combining one indoor unit to one outdoor unit, or multi application, combining up to nine indoor units 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:

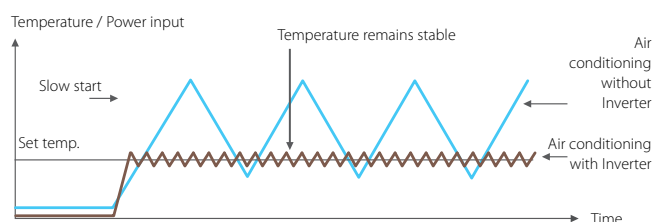
### ► Comfort

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:



# Comfort for every home and every room, day and night

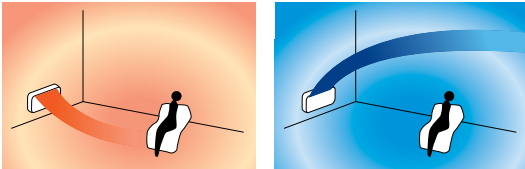
## ► Flexi type unit with flexible solutions

It's the perfect choice for rooms without false ceilings as it allows either ceiling suspended or lower wall installation. Ceiling suspended installation frees up wall and floor space, while lower wall installation is possible without loss of warm air.

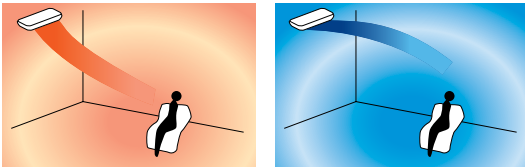
## ► Combining a comfortable feeling and energy saving solutions

1. Vertical auto swing: this unit allows to select the vertical auto swing ensuring the even distribution of air and a homogeneous temperature in the room.
4. When **powerful operation (2)** is enabled, you can rapidly heat up or cool down the room during 20 minutes. After this, the unit returns to its original setting.

Lower wall installation

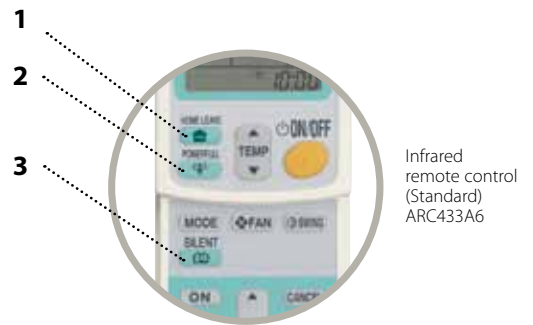


Ceiling suspended installation



2. Saving energy, by preventing overcooling or overheating during night time by using the **night set mode**.
3. When pushing the **home leave button (1)** on the infrared remote control, the indoor temperature drops to a preset temperature level when you're out or sleeping. If you return and push the button again, the indoor temperature returns quickly to its original set temperature.

5. **Whisper quiet operation:** the sound of the indoor units is that low that it can be compared to rustling leaves. (down to 28dBA)
6. By pushing the **outdoor unit silent operation (3)**, the outdoor unit will lower their sound emissions by 3dBA.
7. In **night quiet mode**, the sound level of the multi model outdoor unit is automatically reduced by 3dBA (only for cooling only mode).



## 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.

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 G 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.



# Heating & Cooling

INDOOR UNIT			FLXS25B	FLXS35B	FLXS50B	
Cooling capacity	Min./Nom./Max.	kW	1.2/2.5 /3.0	1.2/3.5 /3.8	0.9/4.9 /5.3	
Heating capacity	Min./Nom./Max.	kW	1.2/3.4 /4.5	1.4/4.0 /5.0	0.9/6.1 /7.5	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	C		B	
		Pdesign	kW	2.50	3.50	4.90
		SEER	4.46	4.49	5.09	
	Heating (Average climate)	Annual energy consumption	kWh	196	273	337
		Energy label	A		A	
		Pdesign	kW	2.80	2.90	4.50
		SCOP	3.63	3.42	3.68	
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER	3.85	3.10	2.85		
	COP	3.47	3.25	3.35		
	Annual energy consumption	kWh	325	565	860	
	Energy label	Cooling/Heating	A/B	B/C	C/C	
Casing	Colour	Almond white				
Dimensions	Unit	HeightxWidthxDepth	mm			
Weight	Unit	16			17	
Fan - Air flow rate	Cooling	High/Nom./Low/Silent operation	m <sup>3</sup> /min	7.6/6.8/6.0/5.2	8.6/7.6/6.6/5.6	11.4/10.0/8.5/7.5
	Heating	High/Nom./Low/Silent operation	m <sup>3</sup> /min	9.2/8.3/7.4/6.6	9.8/8.9/8.0/7.2	12.1/9.8/7.5/6.8
Sound power level	Cooling	High	dB(A)	53	54	63
	Heating	High	dB(A)	53	55	62
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dB(A)	37/34/31/28	38/35/32/29	47/43/39/36
	Heating	High/Nom./Low/Silent operation	dB(A)	37/34/31/29	39/36/33/30	46/41/35/33
Piping connections	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.5		
	Drain	OD	mm	18		
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50/60 / 220-240/220-230			

OUTDOOR UNIT			RXS25K	RXS35K	RXS50K	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	550x765x285	735x825x300
Weight	Unit	kg		34	34	47
Fan - Air flow rate	Cooling	High/Low	m <sup>3</sup> /min	33.5/30.1	36/30	50.9/48.9
	Heating	High/Low	m <sup>3</sup> /min	28.3/25.6	28.3/25.6	45/43.1
Sound power level	Cooling	High	dB(A)	61	-/63	-/63
Sound pressure level	Cooling	High/Low/Silent operation	dB(A)	46/-/43	48/-/44	48/-/44
	Heating	High/Low/Silent operation	dB(A)	47/-/44	48/-/45	48/-/45
Operation range	Cooling	Ambient	Min.-Max. °CDB	-10~46	-10~46	-10~46
	Heating	Ambient	Min.-Max. °CWB	-15~18	-15~18	-15~18
Refrigerant	Type/GWP			R-410A/1,975	R-410A/1,975	R-410A/1,975
Piping connections	Piping length	OU - IU	Max. m	20	20	30
	Level difference	IU - OU	Max. m	15	15	20
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240			
Current - 50Hz	Maximum fuse amps (MFA)	A	10			

(1) EER/COP according to Eurovent 2012



Indoor unit  
FLXS25,35,50B



Infrared remote control  
ARC433A5



Outdoor unit  
RXS50J



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.

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