



Air conditioners

# Heating & Cooling

*Siesta*

- » **Up to three indoor units on one outdoor unit**
- » **Individual control per room**
- » **Combination of different indoor models**
- » **Inverter controlled**

Multi model application



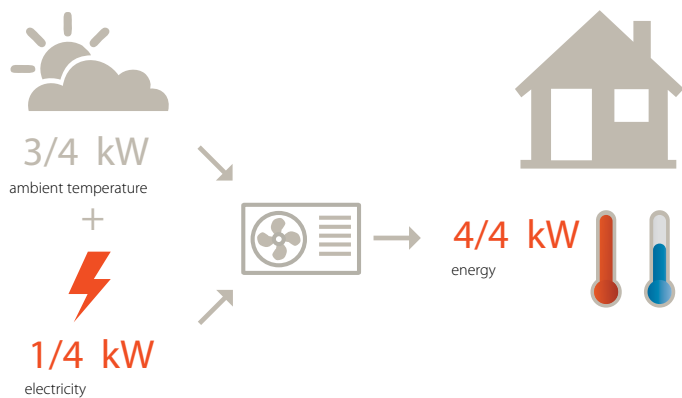
[www.daikin.eu](http://www.daikin.eu)



AMX-G / E



## 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:

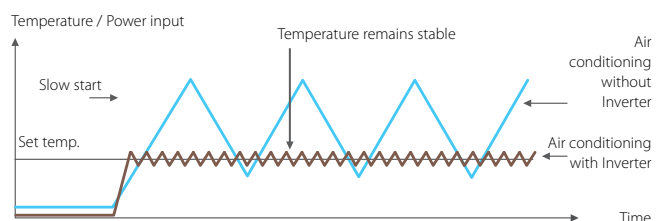
### ► Comfort

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:





Multi inverter controlled outdoor units can operate up to three indoor units

## The Benefits of a Multi system

### › Air conditioning in every room

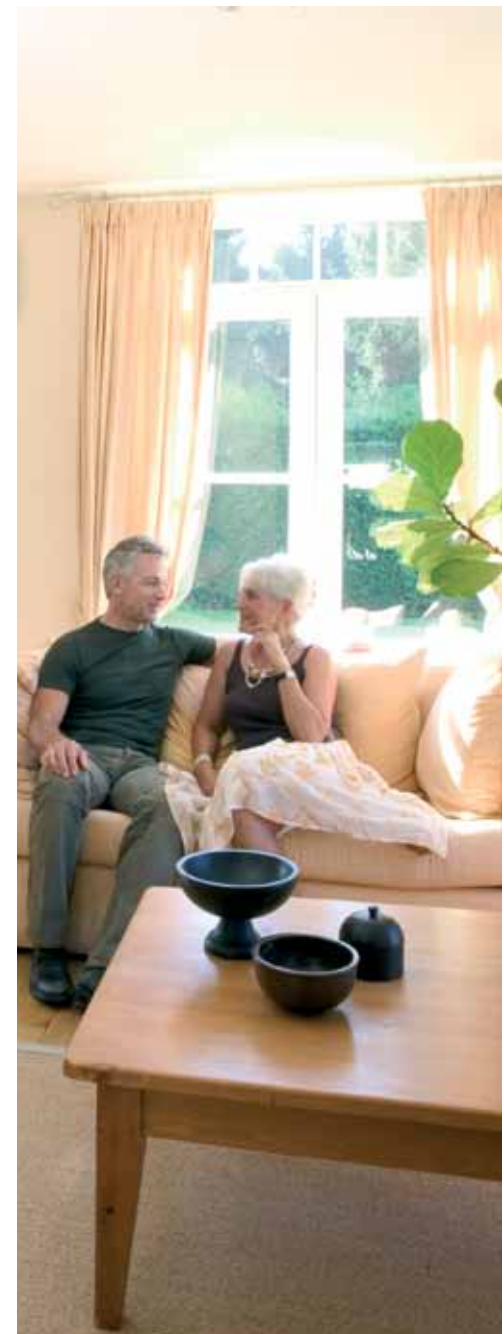
A Multi system allows up to three indoor units to operate from a single outdoor unit, thereby reducing installation space and costs. All indoor units can be individually controlled and do not need to be installed in the same room or at the same time.

### › The widest choice

Wall mounted indoor units in different capacities can be mixed together in multi system applications. Thus the ideal indoor unit can be selected for your bedroom, living room, office or wherever, according to the installation surface or personal requirements.

### › An ideal indoor climate

A single outdoor unit can heat up or cool down a complete house, office or small shop at different times. A pleasant climate can be enjoyed whilst working at the desk in the afternoon, as well as a constant temperature in the living room and cool bedrooms in the evening.



**Online controller:** to monitor or control your heat pump system from anywhere via app or internet. (only for ATXS-G series )

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	ATXS-K				ATX-JV		
	20	25	35	50	20	25	35
2AMX40G3V1B	●	●	●		●	●	●
2AMX50G3V1B	●	●	●	●	●	●	●
3AMX52E4V1B	●	●	●	●			

OUTDOOR UNIT	INDOOR UNIT	COOLING MODE					HEATING MODE				
		SEER	Energy efficiency class	Annual energy consumption kWh/a	Design load PDesign kW	SCOP	Energy efficiency class	Annual electricity consumption kWh/a	Design load PDesign at -10°C kW	Declared heating capacity at -10°C	Back up heating capacity
2AMX40G3V1B	ATXS20G2V1B, ATXS20G2V1B	6.38	A++	220	4.0	4.15	A+	1009	3.0	2.4	0.6
2AMX50G3V1B	ATXS25G2V1B, ATXS25G2V1B	6.39	A++	274	5.0	4.10	A+	1452	4.3	3.5	0.8
3AMX52E4V1B	ATXS25G2V1B, ATXS25G2V1B	6.71	A++	261	5.0	4.18	A+	1622	4.9	4.0	0.9

For seasonal data in combination with other indoor units, please consult [www.daikineurope.com/energylabel](http://www.daikineurope.com/energylabel)

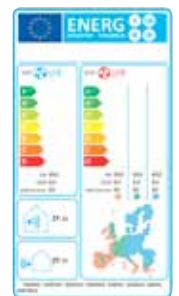
CONNECTABLE OUTDOOR UNITS				2AMX40G	2AMX50G	3AMX52E	
Dimensions	unit	heightxwidthxdepth	mm	550x765x285		735x936x300	
Weight	unit		kg	38	42	49	
Fan - Air flow rate	cooling	high/nom./low	m <sup>3</sup> /min	36/33/30	37/34/34	45/45	
	heating	high/nom./low	m <sup>3</sup> /min	32/32/32	34/34/34	45/41	
Sound power level	cooling	nom.	dB(A)	62	63	59	
Sound pressure level	cooling	nom.	dB(A)	47	48	46	
	heating	nom.	dB(A)	48	50	47	
Operation range	cooling	ambient	min.-max. °CDB	10~46		-10~46	
	heating	ambient	min.-max. °CWB			-15~15.5	
Refrigerant	type			R-410A			
Piping connections	liquid	OD	mm	6.35			
	gas	OD	mm	9.52			
	drain	OD	mm	18			
	level difference	IU - OU	max.	m	15		
		IU - IU	max.	m	7.5		
	heat insulation				Both liquid and gas pipes		
Power supply	total piping length	system	actual	30		50	
	phase / frequency / voltage		Hz / V	1 ~ / 50 / 220-230-240			

## Seasonal efficiency: 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.



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](http://www.eurovent-certification.com) or using: [www.certiflash.com](http://www.certiflash.com)

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