

POSSIBLE COMBINATIONS MULTI - HEATING & COOLING	3MXS52E* (2)	3MXS68G* (1)	4MXS68F* (3)	4MXS80E* (4)	5MXS90E* (4)	RXYSQ4P8V1	RXYSQ8P8V1	RXYSQ6P8V1
Max. n° of indoor units	3	3	4	4	5	6	8	9
Heating & cooling	FDBQ25B	.	.	.	.	.	.	.

1. For more detailed information, please consult our multi catalogue or your local dealer  
 \* At least two indoor units should be connected to these multi outdoor units



Indoor unit FDBQ25B



Wired remote control BRC1E51A



Outdoor unit 3MXS52E,68G, 4MXS68F



## Air conditioners Heating & Cooling



Concealed ceiling unit

- » For hotel bedrooms
- » Compact dimensions
- » Discreetly concealed in ceiling
- » As silent as rustling leaves
- » Standard air filter for a steady supply of clean air
- » Multi application



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FDBQ-B



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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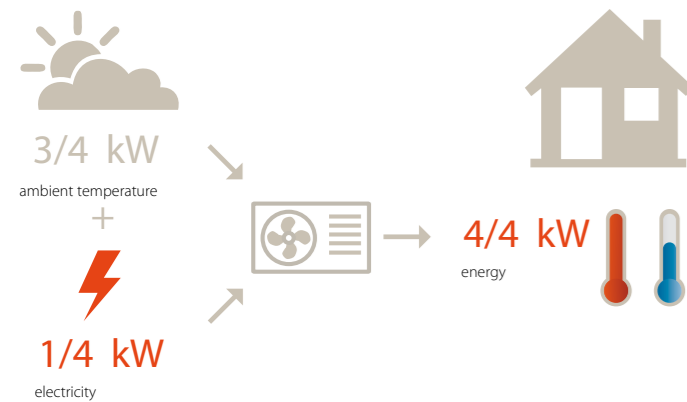
Daikin products are distributed by:



## Hospitality starts with a stable and draught-free indoor climate

Spend the night in a stuffy hotel room? Or dine in a draughty restaurant? Today, air conditioning is an indispensable part of hospitality you want to offer your customers. With a heat pump, you ensure a comfortable indoor climate the whole year through, without draughts and noise, where your guests and your staff feel comfortable. Daikin inverter controlled air conditioners combine low energy use with advanced technology. Additionally Daikin heat pumps are whisper quiet in operation and have advanced control systems.

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



### Did you know that ...

Air conditioners, also known as heat pumps, obtain 75% of their output 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:

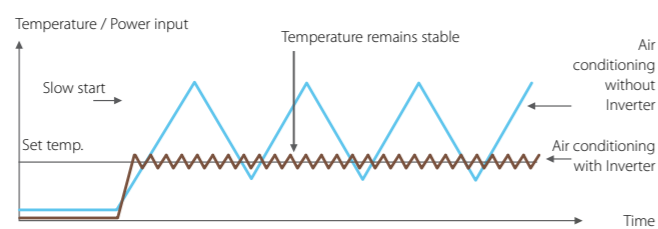
### ► Comfort

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:



## The Benefits of a Multi system

### ► Air conditioning in every room

A Multi system allows up to 9 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 at the same time - extra units (up to a maximum of 9) can be added later.

### ► The widest choice

Different types of indoor units — wall mounted, concealed ceiling, floor standing etc - in different capacities can be mixed together in Multi system applications. Thus the ideal indoor unit can be selected for the 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.

## Durability and efficiency in one compact unit

Concealed ceiling units are perfect for smaller rooms like hotel rooms. The units are mounted in the space between the ceiling and the lowered ceiling, leaving only the intake and grills visible. Since these grills can be placed everywhere, they fit perfectly in any interior style.

### ► Whisper quiet

The indoor unit is **very quiet in operation**. The sound levels are as low as 28dB(A), comparable to rustling leaves.

### ► Air filter

A built-in filter permanently **clears the air** of microscopically small dust particles.

## Super-handly remote control

► The **wired remote control** (optional) provides you with a schedule timer, enabling the air conditioning to be programmed daily or weekly.

► For hotels specifically, the indoor unit can be turned on and off by reception when a hotel guest checks in or out. The unit can also be switched off via remote control if a window is opened or if the guest leaves the room. It can be switched back on remotely as well.

## Flexible installation , easy control

► Since the indoor unit is low in height (only 230mm) it fits flush into **narrow ceiling voids**. The air duct between the indoor unit and the discharge grille can be up to 0.5m.

► The **outdoor unit** can be installed on the roof, terrace or against an outside wall.

► Depending on your air conditioning need, you can have your unit either **heat or cool (heat pump)**.

► Multi model application: up to nine indoor units in different rooms can be connected to one outdoor unit and can each be operated separately.



Wired remote control (Optional)

## Heating & Cooling

INDOOR UNIT				FDBQ25B			
Casing	material			Zinc coated low carbon steel			
Dimensions	unit	heightxwidthxdepth		mm			
Weight	unit			kg			
Fan - Air flow rate	cooling	high/low		m <sup>3</sup> /min			
Fan - Air flow rate	heating	high/low		m <sup>3</sup> /min			
Sound power level	cooling	high/low		dBA			
	heating	high/low		dBA			
Sound pressure level	cooling	high/low		dBA			
	heating	high/low		dBA			
Piping connections	liquid	OD		mm			
	gas	OD		mm			
Power supply	phase / frequency / voltage			Hz / V			
				1~/ 50 / 230			

(1) Sound values are measured in a semi-anechoic room. (2) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings. (3) The sound power level is an absolute value indicating the power which a sound source generates.

OUTDOOR UNIT				3MXS52E	3MXS68G	4MXS68F	4MXS80E	5MXS90E
Dimensions	unit	heightxwidthxdepth		mm				
Weight	unit			kg	735x936x300			770x900x320
Fan	air flow rate	cooling	high	m <sup>3</sup> /min	45	58	54.5	73
			nom.	m <sup>3</sup> /min	-	49.4	-	57.1
		heating	low	m <sup>3</sup> /min	45	43.5	-	46.0
			high	m <sup>3</sup> /min	45	46.4	-	52.5
			low	m <sup>3</sup> /min	41	16.3	-	14.7
Sound power level	cooling	nom.		59	61	-	66	
Sound pressure level	cooling	nom.		46	48	62	52	
	heating	nom.		47	49	-	52	
Compressor	type			Hermetically sealed swing compressor				
Operation range	cooling	ambient	min-max	°CDB				
	heating	ambient	min-max	°CWB				
Refrigerant	type			R-410A				
Piping connections	liquid	OD		mm				
	gas	OD		9.52	9.50	9.52	25	
	drain	OD		18				
	gas 2	OD		12.7				
	gas 3	OD		-	-	-	15.9	
	pipng length	Max.	OU - IU	m				
	additional refrigerant charge level difference	IU - OU	Max.	kg/m				
	IU - OU	Max.	m					
Power supply	phase / frequency / voltage			Hz / V				
				1~/ 50 / 230				

OUTDOOR UNIT				RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1	
Capacity range				HP	4	5	6
Cooling capacity	nom.			kW	11.2 <sup>1</sup>	14.0 <sup>1</sup>	15.5 <sup>1</sup>
Heating capacity	nom.			kW	12.5 <sup>2</sup>	16.0 <sup>2</sup>	18.0 <sup>2</sup>
Power input - 50Hz	cooling	nom.		kW	2.81	3.51	4.53
	heating	nom.		kW	2.74	3.86	4.57
EER					3.99		3.42
COP				4.56	4.15	3.94	
Maximum number of connectable indoor units				6	8	9	
Dimensions	unit	heightxwidthxdepth		mm			
	packed unit	height	mm		1,524		
		width	mm		980		
		depth	mm		420		
Weight	unit			kg			
	packed unit			kg			
Sound power level	cooling	nom.		dBA	66	67	69
	heating	nom.		dBA	50	51	53
Sound pressure level	cooling	nom.		dBA	52	53	55
	heating	nom.		dBA	52	53	55
Operation range	heating	min.-max.		°CWB			
Refrigerant	type			R-410A			
Piping connections	liquid	OD		mm			
	gas	OD		19.1	19.1	19.1	
	total piping length	System	actual	m			
	level difference	OU - IU	actual	m			
	IU - IU	max.	m				
Power supply	phase/frequency/voltage			Hz/V			
Current - 50Hz	maximum fuse amps (mfa)			A			
				1N~/50/220-240			
				32.0			

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m (2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m (3) Sound power level is an absolute value that a sound source generates. (4) Sound pressure level is a relative value, depending on the distance and acoustic environment. (5) Sound values are measured in a semi-anechoic room.