

Air conditioners

# Heating & Cooling

**VRV**

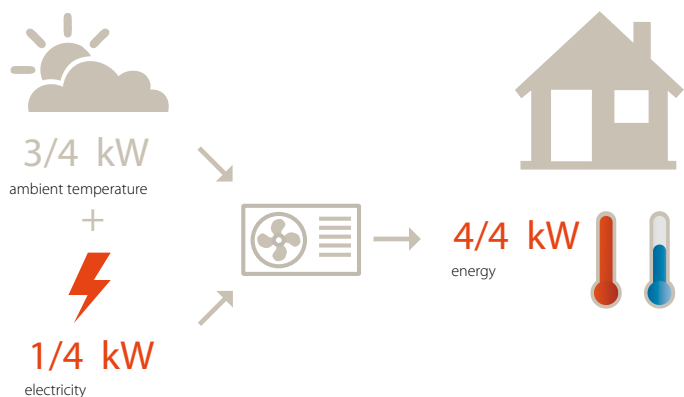
Multi model application

- » **For residential and light commercial applications**
- » **Energy efficient heating system**
- » **Connect up to 9 indoor units**
- » **Low energy bills and low CO<sub>2</sub> emissions**
- » **Combine different types of indoor units**
- » **Slim design for flexible installation**
- » **Inverter controlled**





## 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 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:

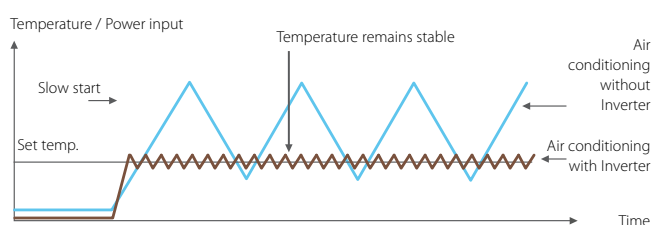
### ► Comfort

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:





## Slim design for flexible installation

- › **A wide range of stylish indoor units can be connected to this multi outdoor unit:**
  - › **Daikin Emura:** remarkable blend of iconic design and engineering excellence is finished in brushed aluminium or matt crystal white. Daikin Emura received a good design award, IF product design award 2010 and reddot design award honourable mention 2010.
  - › **Nexura:** the first stylish floor standing unit with a unique radiant heat panel. This panel radiates additional heat to improve your comfort on cold days.
  - › **Round flow cassette with auto cleaning decoration panel:** Daikin is the first to introduce the auto cleaning cassette to the European market. This function ensures easy removal of dust with a vacuum cleaner without opening the unit resulting in lower maintenance costs. The round flow cassette received a good design award.

## 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 in the same room or 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.

### › Silent at night:

During the night, the sound level of the outdoor unit can be reduced for a certain period: starting time and ending time can be input via 2 modes with low operating sound level at night:

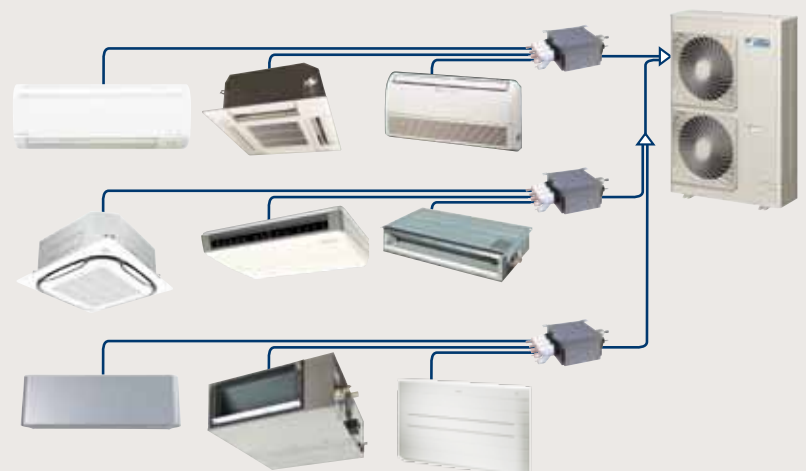
- › Mode1: automatic mode
  - Time of maximum temperature is memorised.
- › Mode 2: customized mode
  - Starting and ending times can be input

## Energy efficiency

- › The power consumption can be limited so that other appliances that need large power consumption can be used.
- › This multi system can also be connected to VRV indoor units. For more detailed information, please contact your local dealer.

## Multi system

Multi inverter controlled outdoor units can operate with 2 and up to even 9 indoor units.





CONNECTABLE INDOOR UNITS				FTXG25JA		FTXG35JA		FTXG50JA	
INDOOR UNIT						Brushed aluminium			
Casing	colour								
Dimensions	unit	heightxwidthxdepth	mm			295x915x155			
Weight	unit					11			
Fan - Air flow rate	cooling	high/nom./low/silent operation	m <sup>3</sup> /min	8.8/6.8/4.7/3.8		10.1/7.3/4.6/3.9		10.3/8.5/6.7/5.7	
	heating	high/nom./low/silent operation	m <sup>3</sup> /min	9.6/7.9/6.2/5.4		10.8/8.6/6.4/5.6		11.4/9.8/8.1/7.1	
Sound power level	cooling	high	dBA	54		58		60	
	heating	high	dBA	55		58		60	
Sound pressure level	cooling	high/nom./low/silent operation	dBA	38/32/25/22		42/34/26/23		44/40/35/32	
	heating	high/nom./low/silent operation	dBA	39/34/28/25		42/36/29/26		44/40/35/32	
Refrigerant	type					R-410A			
Piping connections	liquid	OD	mm			6.35			
	gas	OD	mm	9.52				12.7	
	drain					18			
Power supply	phase / frequency / voltage		Hz / V			1 ~ / 50 / 220-240			



CONNECTABLE INDOOR UNITS				FTXG25JW		FTXG35JW		FTXG50JW	
INDOOR UNIT						Matt crystal white			
Casing	colour								
Dimensions	unit	heightxwidthxdepth	mm			295x915x155			
Weight	unit					11			
Fan - Air flow rate	cooling	high/nom./low/silent operation	m <sup>3</sup> /min	8.8/6.8/4.7/3.8		10.1/7.3/4.6/3.9		10.3/8.5/6.7/5.7	
	heating	high/nom./low/silent operation	m <sup>3</sup> /min	9.6/7.9/6.2/5.4		10.8/8.6/6.4/5.6		11.4/9.8/8.1/7.1	
Sound power level	cooling	high	dBA	54		58		60	
	heating	high	dBA	55		58		60	
Sound pressure level	cooling	high/nom./low/silent operation	dBA	38/32/25/22		42/34/26/23		44/40/35/32	
	heating	high/nom./low/silent operation	dBA	39/34/28/25		42/36/29/26		44/40/35/32	
Refrigerant	type					R-410A			
Piping connections	liquid	OD	mm			6.35			
	gas	OD	mm	9.52				12.70	
	drain					18			
Power supply	phase / frequency / voltage		Hz / V			1 ~ / 50 / 220-240			



CONNECTABLE INDOOR UNITS				FTXS20K		FTXS25K		CTXS15K		CTXS35K	
INDOOR UNIT						White				White	
Casing	colour										
Dimensions	unit	heightxwidthxdepth	mm	289x780x215				289x780x215			
Weight	unit			8				8			
Fan - Air flow rate	cooling	high	m <sup>3</sup> /min	8.8/6.7/4.7/3.9		9.1/7.0/5.0/3.9		7.9/6.3/4.7/3.9		9.0/7.5/6.0/4.3	
	heating	high	m <sup>3</sup> /min	9.5/7.8/6.0/4.3		10.0/8.0/6.0/4.3		9.2/7.2/5.2/3.9		10.1/8.1/6.3/4.3	
Sound power level	cooling	high	dBA	56		57		53		58	
	heating	high	dBA	56		57		54		57	
Sound pressure level	cooling	high/nom./low/silent operation	dBA	40/32/24/19		41/33/25/19		37/31/25/21		42/35/28/21	
	heating	high/nom./low/silent operation	dBA	40/34/27/19		41/34/27/19		38/33/28/21		41/36/30/21	
Refrigerant	type			R-410A				R-410A			
Piping connections	liquid	OD	mm	6.35				6.35			
	gas	OD	mm	9.52				9.52			
	drain			18.0				18.0			
Power supply	phase / frequency / voltage		Hz / V	1 ~ / 50 / 220-240				1 ~ / 50 / 220-240			



CONNECTABLE INDOOR UNITS				FTXS25J		FTXS35J		FTXS42J		FTXS50J		FTXS60G		FTXS71G	
INDOOR UNIT															
Casing	colour														
Dimensions	unit	heightxwidthxdepth	mm			295x800x215						290x1,050x250			
Weight	unit			9		10						12			
Fan - Air flow rate	cooling	high/nom./low/silent operation	m <sup>3</sup> /min	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		17.2/14.5/11.5/10.5	
	heating	high/nom./low/silent operation	m <sup>3</sup> /min	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		19.5/16.7/14.2/12.6	
Sound power level	cooling	nom.	dBA	57		61		62		61		62		62	
	heating	nom.	dBA	58		61		63		60		62		62	
Sound pressure level	cooling	high/nom./low/silent operation	dBA	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	42/35/28/25		45/39/29/26		45/39/33/30		47/41/34/31		44/40/35/32		46/42/37/34	
Refrigerant	type							R-410A							
Piping connections	liquid	OD	mm	6.35				6.35				6.35			
	gas	OD	mm	9.52						12.7				15.9	
	drain			18.0						18.0				18.0	
Power supply	phase / frequency / voltage		Hz / V					1 ~ / 50 / 220-240							



nexura



CONNECTABLE INDOOR UNITS				FVXG25K	FVXG35K	FVXG50K
INDOOR UNIT				Fresh white (6.5Y 9.5/0.5)		
Casing	colour					
Dimensions	unit	heightxwidthxdepth	mm	600x950x215		
Weight	unit			22		
Fan - Air flow rate	cooling	high/nom./low/silent operation	m <sup>3</sup> /min	8.9/7.0/5.3/4.5	9.1/7.2/5.3/4.5	10.6/8.9/7.3/6.0
	heating	high/nom./low/silent operation	m <sup>3</sup> /min	9.9/7.8/5.7/4.7	10.2/8.0/5.8/5.0	12.2/10.0/7.8/6.8
Sound power level	cooling	nom.	dBa	54	55	56
	heating	nom.	dBa	55	56	58
Sound pressure level	cooling	high/nom./low/silent operation	dBa	38/32/26/23	39/33/27/24	44/40/36/32
	heating	high/nom./low/silent operation/radiant heat	dBa	39/32/26/22/19	40/33/27/23/19	46/40/34/30/20
Refrigerant	type			R-410A		
Piping connections	liquid	OD	mm	6.35		
	gas	OD	mm	9.50		
	drain			18		
Power supply	phase / frequency / voltage		Hz / V	1~ / 50 / 220-240		



CONNECTABLE INDOOR UNITS				FVXS25F	FVXS35F	FVXS50F
INDOOR UNIT				White		
Casing	colour					
Dimensions	unit	heightxwidthxdepth	mm	600x700x210		
Weight	unit			14		
Fan - Air flow rate	cooling	high/nom./low/silent operation	m <sup>3</sup> /min	8.2/6.5/4.8/4.1	8.5/6.7/4.9/4.5	10.7/9.2/7.8/6.6
	heating	high/nom./low/silent operation	m <sup>3</sup> /min	8.8/6.9/5.0/4.4	9.4/7.3/5.2/4.7	11.8/10.1/8.5/7.1
Sound power level	cooling	high	dBa	54	55	56
	heating	high	dBa	54	55	57
Sound pressure level	cooling	high/nom./low/silent operation	dBa	38/32/26/23	39/33/27/24	44/40/36/32
	heating	high/nom./low/silent operation	dBa	38/32/26/23	39/33/27/24	45/40/36/32
Refrigerant	type			R-410A		
Piping connections	liquid	OD	mm	6.35		
	gas	OD	mm	9.52		
	drain			20		
Power supply	phase / frequency / voltage		Hz / V	1~ / 50 / 220-240		



CONNECTABLE INDOOR UNITS				FLXS25B	FLXS35B	FLXS50B	FLXS60B
INDOOR UNIT				Almond white			
Casing	Colour						
Dimensions	Unit	HeightxWidthxDepth	mm	490x1,050x200			
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	12.0/10.7/9.3/8.3
	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	12.8/10.6/8.4/7.5
Sound power level	Cooling	High	dBa	53	54	63	64
	Heating	High	dBa	53	55	62	63
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBa	37/34/31/28	38/35/32/29	47/43/39/36	48/45/41/39
	Heating	High/Nom./Low/Silent operation	dBa	37/34/31/29	39/36/33/30	46/41/35/33	47/42/37/34
Refrigerant	Type			R-410A			
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.52			
	Drain			18			
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220-230			





CONNECTABLE INDOOR UNITS				FDXS25E	FDXS35E	FDXS50C	FDXS60C
INDOOR UNIT							
Casing	colour			Unpainted			
Dimensions	unit	heightxwidthxdepth	mm	200x700x620		200x900x620	200x1,100x620
Weight	unit		kg	21.0		27.0	30.0
Fan - Air flow rate	cooling	high/nom./low/silent operation	m <sup>3</sup> /min	8.7/8.0/7.3/6.2		12.0/11.0/10.0/8.4	16.0/14.8/13.5/11.2
	heating	high/nom./low/silent operation	m <sup>3</sup> /min	8.7/8.0/7.3/6.2		12.0/11.0/10.0/8.4	16.0/14.8/13.5/11.2
Fan - External static pressure	nom.		Pa	30		40	
Sound power level	cooling	high	dBA	53.0		55.0	56.0
	heating	high	dBA	53.0		55.0	56.0
Sound pressure level	cooling	high/nom./low/silent operation	dBA	35.0/33.0/31.0/29.0		37.0/35.0/33.0/31.0	38.0/36.0/34.0/32.0
	heating	high/nom./low/silent operation	dBA	35.0/33.0/31.0/29.0		37.0/35.0/33.0/31.0	38.0/36.0/34.0/32.0
Refrigerant	type			R-410A			
Piping connections	liquid	OD	mm	6.35			
	gas	OD	mm	9.52		12.7	
	drain			VP20 (I.D. 20/O.D. 26)			
Power supply	phase / frequency / voltage		Hz / V	1~ / 50/60 / 220-240/220-230			



CONNECTABLE INDOOR UNITS				FDBQ25B
INDOOR UNIT				
Casing	colour			Unpainted
Dimensions	unit	heightxwidthxdepth	mm	230x652x502
Weight	unit		kg	17.0
Fan - Air flow rate	cooling	high/low	m <sup>3</sup> /min	6.50/5.20
	heating	high/low	m <sup>3</sup> /min	6.95/5.20
Sound power level	cooling	high/low	dBA	55.0/49.0
	heating	high/low	dBA	55.0/49.0
Sound pressure level	cooling	high/low	dBA	35.0/28.0
	heating	high/low	dBA	35.0/29.0
Refrigerant	type			R-410A
Piping connections	liquid	OD	mm	6.35
	gas	OD	mm	9.52
	drain			27.2
Power supply	phase / frequency / voltage		Hz / V	1~ / 50 / 230



CONNECTABLE INDOOR UNITS				FBQ35C8	FBQ50C8	FBQ60C8
INDOOR UNIT						
Casing	colour			Unpainted		
Dimensions	unit	heightxwidthxdepth	mm	300x700x700		300x1,000x700
Required ceiling void			mm	25		34
Weight	unit		kg	25		34
Decoration panel	model			BYBS45DJW1		BYBS71DJW1
	colour			White (10Y9/0.5)		
	dimensions	heightxwidthxdepth	mm	55x800x500		55x1,100x500
Fan - Air flow rate	cooling	high/low	m <sup>3</sup> /min	3.5		4.5
	heating	high/low	m <sup>3</sup> /min	16/11		18/15
Fan - External static pressure	high/nom.		Pa	16/11		18/15
Sound power level	cooling	high	dBA	100/30		57
	heating	high	dBA	63		-
Sound pressure level	cooling	high/low	dBA	37/29		37/29
	heating	high/low	dBA	37/29		37/29
Refrigerant	type			R-410A		
Piping connections	liquid	OD	mm	6.35		
	gas	OD	mm	9.52		12.70
	drain			VP25 (O.D. 32 / I.D. 25)		
Power supply	phase / frequency / voltage		Hz / V	1~ / 50/60 / 220-240/220		



CONNECTABLE INDOOR UNITS				FFQ25B9V	FFQ35B9V	FFQ50B9V	FFQ60B9V
INDOOR UNIT							
Casing	colour			Unpainted			
Dimensions	unit	heightxwidthxdepth	mm	286x575x575			
Weight	unit			17.5			
Decoration panel	model			BYFQ60BW1			
	colour			Pure white (RAL9010)			
	dimensions	heightxwidthxdepth	mm	55x700x700			
	weight			2.7			
Fan - Air flow rate	cooling	high/low	m <sup>3</sup> /min	9.0/6.5	10.0/6.5	12.0/8.0	15.0/10.0
	heating	high/low	m <sup>3</sup> /min	-	-	-	-
Sound power level	cooling	high	dBA	46.5	49.0	53.0	58.0
	heating	high	dBA	-	-	-	-
Sound pressure level	cooling	high/low	dBA	29.5/24.5	32.0/25.0	36.0/27.0	41.0/32.0
	heating	high/low	dBA	-	-	-	-
Refrigerant	type			R-410A			
Piping connections	liquid	OD	mm	6.35			
	gas	OD	mm	9.52			12.7
	drain			VP20 (I.D.20/O.D.26)			
Power supply	phase / frequency / voltage			1~ / 50 / 220-240			



CONNECTABLE INDOOR UNITS				FCQG35F	FCQG50F	FCQG60F
INDOOR UNITS						
Dimensions	unit	heightxwidthxdepth	mm	204x840x840		
Weight	unit			18		
Decoration panel	model			BYCQ140D7W1 <sup>1</sup> / BYCQ140D7W1W <sup>2</sup> / BYCQ140D7GW1 <sup>3</sup>		
	colour			Pure White(RAL 9010)		
	dimensions	heightxwidthxdepth	mm	60x950x950 / 60x950x950 / 145x950x950		
	weight			5.4/5.4/10.3		
Sound power level	cooling	high	dBA	49		51
Sound pressure level	cooling	high/nom/low	dBA	31/29/27		33/31/28
	heating	high/nom/low	dBA	31/29/27		33/31/28
Refrigerant	type			R-410A		
Piping connections	liquid	OD	mm	6.35		
	gas	OD	mm	9.52		12.7
	drain			VP25 (O.D.32/I.D.25)		
Power supply	phase / frequency / voltage			1~ / 50 / 220-240		

<sup>1</sup> Pure white standard panel with grey louvers

<sup>2</sup> Pure white standard panel with white louvers

<sup>3</sup> Pure white auto cleaning panel



CONNECTABLE INDOOR UNITS				FHQ35B8	FHQ50B8	FHQ60B8
INDOOR UNIT						
Casing	colour			White		
Dimensions	unit	heightxwidthxdepth	mm	195x960x680		
Weight	unit			24	25	27
Fan - Air flow rate	cooling	high/nom./low/silent operation	m <sup>3</sup> /min	13/-/10/-		17/-13/-
	heating	high/nom./low/silent operation	m <sup>3</sup> /min	13/-/10/-		16/-13/-
Sound power level	cooling	high/nom./low	dBA	53/-/48	54/-/49	55/-/49
	heating	high/nom./low	dBA	53/-/48	54/-/49	55/-/49
Sound pressure level	cooling	high/nom./low/silent operation	dBA	37/-/32/-	38/-/33/-	39/-/33/-
	heating	high/nom./low/silent operation	dBA	37/-/32/-	38/-/33/-	39/-/33/-
Refrigerant	type			R-410A		
Piping connections	liquid	OD	mm	6.35		
	gas	OD	mm	9.52		12.70
	drain			VP20 (I.D. 20/O.D. 26)		
Power supply	phase / frequency / voltage			1~ / 50 / 220-240		

# Heating & Cooling



RXYSQ-P8V1

CONNECTABLE OUTDOOR UNITS				RXYSQ4P8V1	RXYSQ5P8V1	RXYSQ6P8V1
<b>OUTDOOR UNIT</b>						
Capacity range			HP	4	5	6
Cooling capacity	nom.		kW	11.2	14.0	15.5
Heating capacity	nom.		kW	12.5	16.0	18.0
Power input - 50Hz	cooling	nom.	kW	2.81	3.51	4.53
	heating	nom.	kW	2.74	3.86	4.57
EER				3.99	3.99	3.42
COP				4.56	4.15	3.94
Maximum number of connectable indoor units				6	8	9
Dimensions	unit	heightxwidthxdepth	mm	1,345x900x320		
Weight	unit		kg	120		
Sound power level	cooling	nom.	dB(A)	66	67	69
	heating	nom.	dB(A)	50	51	53
Sound pressure level	cooling	nom.	dB(A)	52	53	55
	heating	nom.	dB(A)			
Operation range	cooling	min.~max.	°CDB	-5~46		
	heating	min.~max.	°CWB	-20~15.5		
Refrigerant	type			R-410A		
	liquid	OD	mm	9.52		
Piping connections	gas	OD	mm	19.1		
	total piping length	OU - IU	max.	150		
	level difference	ou - iu	m	115	135	145
				40 (Outdoor unit in highest position) / 30 (Indoor unit in highest position)		
Power supply	phase/frequency/voltage		Hz/V	1N~/50/220-240		
Current - 50Hz	maximum fuse amps (mfa)		A	32.0		



BRANCH PROVIDER				BPMKS967B2	BPMKS967B3
Connectable indoor units				1~2	1~3
Max. indoor unit connectable capacity				14.2	20.8
Max. connectable combination				71+71	60+71+71
Dimensions	height x width x depth		mm	180x294x350	
Weight			kg	7	8

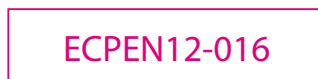


Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. 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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