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Heating and Air Conditioning Systems



RESIDENTIAL & COMMERCIAL CATALOGUE 2008

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Residential & Commercial CATALOGUE 2008



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. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin units comply with the European regulations that guarantee the safety of the product.



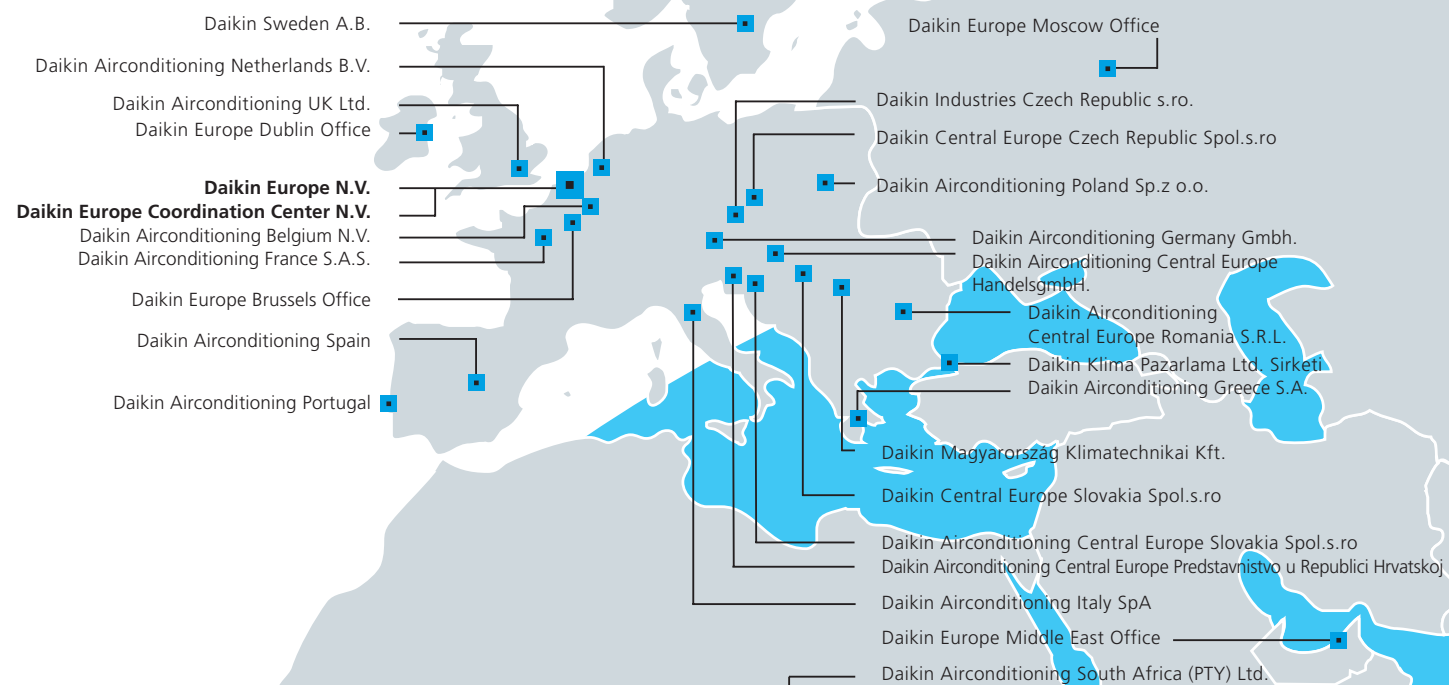
Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

Daikin products are distributed by:

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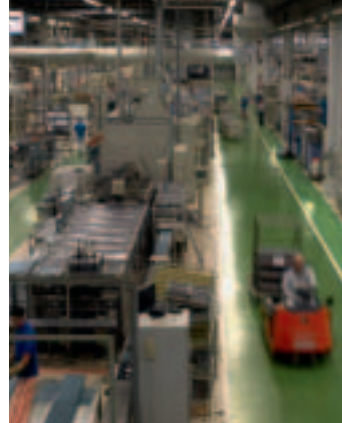
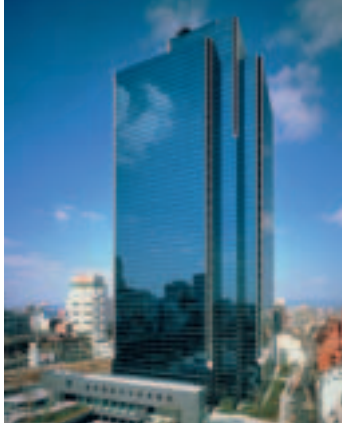
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## Foreword

### **THE LEADER IN MANUFACTURING QUALITY AND CUSTOMER SERVICE**

Since our establishment in Ostend (Belgium) in 1972, we have updated and expanded our manufacturing facilities, including those opened more recently in Plzen and Brno (Czech Republic) and Cecchina (Italy) – through the acquisition of McQuay - to a point where they are now acknowledged as the most advanced in their field in Europe. Furthermore, all our plants benefit from our Japanese parent's policy of zero defect production, super efficient supply chain management and unrivalled research and development support.

These substantial production facilities are underpinned by a network of wholly owned affiliate companies in the UK, France, Germany, Italy, Spain, Portugal, Poland, Greece, Belgium, Holland and Central Europe, as well as numerous independent distributors throughout Europe, Africa and the Middle East supported by several head offices in Ireland, Russia, Turkey, South Africa and the Middle East. Experienced and professional support of this order enables us to maintain an enviable close relationship with international markets, tailor our product programme to suit precise regional requirements and respond quickly and efficiently to any area of potential market expansion.

### **THE LEADER IN PRODUCT QUALITY**

Daikin produces a highly energy efficient and comprehensive range of quality indoor climate control products and systems for commercial, residential and industrial applications. Our product portfolio is based on four distinct core 'pillars':

- state of the art direct expansion air conditioning
- heat pump residential and light commercial heating, domestic hot water and cooling
- applied central cooling and heating
- medium to low temperature refrigeration

Each pillar harnesses advanced technologies to deliver maximum energy efficiency and minimum fuel consumption and running costs throughout the equipment life cycle. The width of our product range is also extensive and embracing in its coverage of these key indoor climate control disciplines to a point where we are confident of its ability to meet the requirements of our end user, specifier, contractor and installer customer base at all times.

### **RESPECT FOR THE ENVIRONMENT**

Daikin has an enviable record in concern for environmental issues and applies it to all areas of the business, implementing and in many cases pre-empting, international and local environmental protective legislation. We seek to operate a zero waste and zero emissions policy in our manufacturing plants. Our products reflect the concept of combining maximising energy efficiency with maximum respect for the environment. Their utilisation of heat pump technology for example, results in far lower energy consumption and in the case of heating, drastically less CO<sub>2</sub> emissions than are achievable with fossil fuel burning systems. Also their incorporation of numerous detailed features such as inverter control, heat recovery, economy and quiet operating modes, movement sensors among others, enhance user comfort without compromise to either efficiency or the environment.

Thus, the products contained in this catalogue are designed to represent the best possible answer to your air conditioning needs. Feel free to contact your local Daikin representative for further information and assistance. We are here to serve you!

### **THE FUTURE LEADER**

Daikin's position at the forefront of air conditioning manufacturing and marketing is well established and widely acknowledged. Nevertheless, over the last few years we widened our product portfolio in order to offer customers a more comprehensive choice of indoor climate control solutions for the home, in business and at play. The successful moves into heat pump heating for residential and commercial applications and medium to low temperature refrigeration for retail and wholesale food outlets are testament to this policy. But our search for innovative solutions is ongoing and there will certainly be many more successes to come. The common denominators however, will remain, as they are today, the provision of individual comfort allied to innovation, quality, energy efficiency and environmental acceptability.



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To consult the explanation of the *pictogrammes*, please refer to page 48 of this catalogue.



# *Environmental Awareness*

**In all of us,  
a green heart**



## **AIR CONDITIONING AND THE ENVIRONMENT**

Air conditioning systems provide a significant level of indoor comfort, making possible optimum working and living conditions in the most extreme climates. In recent years, motivated by a global awareness of the need to reduce the burdens on the environment, some manufacturers including Daikin have invested enormous efforts in limiting the negative effects associated with the production and the operation of air conditioners. Hence, models with energy saving features and improved eco-production techniques have seen the light of day, making a significant contribution to limiting the impact on the environment.

A number of 'We Care' icons are highlighted in green throughout the catalogue to indicate product features that have an impact on reducing energy consumption:

Fan only, Night set mode, Econo mode, Energy efficiency, Movement sensor and Home leave operation

## **DAIKIN'S COMMITMENT TO THE ENVIRONMENT**

The pioneering concern for the environment and natural resources is a part of the entire global Daikin operation at all levels: from product design, manufacturing processes, down to the responsibility each individual Daikin employee takes for the environment.

This commitment is reflected in three areas: reducing waste in manufacturing and operations, recycling materials, and designing and producing energy-efficient climate control equipment.

### **REDUCING WASTE IN MANUFACTURING AND BUSINESS OPERATIONS**

In 1998, Daikin Europe N.V. became the first air conditioning manufacturer in Europe to obtain ISO 14001 environmental certification. In addition, since 2004, not only the manufacturing plants but Daikin sales companies as well have obtained ISO 14001 certification, underlining Daikin's commitment to the environment at all levels of our organisation.

These certified environmental plans include the reduction of waste at all levels. Our environmental targets are high: Daikin Europe N.V. is committed to a zero waste policy whereby as much as possible of its by products can be reused, recycled or recovered as useful resources.

### **RECYCLING MATERIALS**

Daikin Europe N.V. is firmly committed to recycling materials in all areas of its operations. Wastewater is treated before being discharged into the city drainage system, with the recovered sludge being a useful ingredient in cement manufacturing. Other waste is also carefully sorted and recycled, supported by a continually evolving factory layout that encourages the optimum use of resources. In addition to recycling, we invest significantly in returnable packaging. The same high demands are also imposed on our suppliers.

Eliminating waste and optimum recycling reduce raw material consumption and contribute to efficient manufacturing and operating processes, meaning fewer burdens on the environment.

### **ENERGY EFFICIENT CLIMATE CONTROL EQUIPMENT**

Daikin's commitment to being a leader in environmental developments has led to a string of innovations in climate control equipment:

- Daikin's use of inverter technology for example reduces start-up time by 33% and allows the compressor to consume only the power it actually needs to meet the cooling/heating needs of the moment.
- Linking the use of inverter technology to reluctance DC compressor motors has further improves efficiency, allowing Daikin units to obtain the highest efficiency ratings in the market.
- Daikin also produces computerised air conditioning monitoring and control systems designed to ensure maximum energy efficiency at all times, such as Daikin's latest I-controller technology which offers customers refined and energy efficient control of Daikin heat recovery air conditioning installations, including remote monitoring via the Internet.

This list of innovations could be expanded endlessly. More importantly, it clearly demonstrates that technological innovation and concern for the environment can go hand in hand. At Daikin, these environmental priorities form an integral part of our corporate culture and are reflected in all of our products.

Choosing Daikin means you can be sure that the cooling systems you use are the safest possible for the environment.

# Energy Labeling

Energy labeling is part of a wider European Climate Change program that targets energy efficiency as one method of reducing CO2 emissions in order to meet the targets of the Kyoto protocol. By this means the European Commission hopes that improved awareness will result in customers purchasing the most economical (ecological) answer to their needs.

## WHAT?

The energy label provides information on the energy consumption of the unit. Air conditioning units (with cooling capacity 12kW) are classified in seven different categories (A to G), according to their energy consumption and color coded according to the category to which they belong. The most energy efficient units will be included in the A category, indicated by a green arrow on the label – less efficient units will belong in G class, indicated by a red arrow on the label. The end user can easily compare the efficiency of equal types of units from different brands.


## THE LABEL?

### WHAT IS MENTIONED ON THE LABEL?

Logo and name of manufacturer; name of indoor and outdoor unit (\*)

Energy efficiency class of the unit in cooling mode:

<b>A</b>	$EER > 3.20$
<b>B</b>	$3.20 \geq EER > 3.00$
<b>C</b>	$3.00 \geq EER > 2.80$
<b>D</b>	$2.80 \geq EER > 2.60$
<b>E</b>	$2.60 \geq EER > 2.40$
<b>F</b>	$2.40 \geq EER > 2.20$
<b>G</b>	$2.20 \geq EER$

<h2>Energy</h2> <p>Manufacturer Outside unit Inside unit</p>		
<p>More efficient</p> <div> <div>A</div> <div>B</div> <div>C</div> <div>D</div> <div>E</div> <div>F</div> <div>G</div> </div> <p>Less efficient</p>		
<p><b>Annual energy consumption, kWh in cooling mode</b> <small>(Actual consumption will depend on how the appliance is used and climate)</small></p> <p><b>Cooling output</b> kW</p> <p><b>Energy efficiency ratio</b> <small>Full load (the higher the better)</small></p>		
<b>Type</b>	<p>Cooling only —</p> <p>Cooling + Heating —</p> <p>Air cooled —</p> <p>Water cooled —</p>	
<p><b>Heat output</b> kW</p> <p><b>Heating performance</b> <small>A: higher G: lower</small></p>		
<p><b>Noise</b> <small>(dB(A) re 1 pW)</small></p>		
<p>Further information is contained in product brochures</p>		
<p>Air-conditioner Energy Label Directive 2002/31/EC</p>		

## INDICATED ANNUAL ENERGY CONSUMPTION

This figure indicates the approximate amount of energy consumed per year by the unit, based on a standard household model. The annual consumption is calculated by multiplying the total power input by an average of 500 hr per year IN COOLING MODE AT FULL LOAD.

In order to calculate the cost of annual energy consumption, you merely multiply this figure by your electricity tariff.

## COOLING OUTPUT

Cooling output is defined as the cooling capacity in kW of the appliance, operating in cooling mode at full load. It is important to choose an air conditioning unit with a rated output sufficient for your cooling/heating requirements. An oversized unit can result in frequent on/off cycling, which shortens its service life - an undersized unit will not provide adequate cooling/heating. To determine the appropriate output, contact the manufacturer or your local dealer/installer.

## ENERGY EFFICIENCY RATIO (EER)

This is the cooling output of the unit divided by the amount of electricity the unit requires to deliver it (total power input). In other words, the higher the EER, the greater the energy efficiency.

## TYPE

TYPE OF UNIT: it indicates if the unit is a cooling only or cooling/heating system

COOLING MODE: it indicates if the unit is air cooled or water cooled

## HEATING OUTPUT

Heating output is defined as the heating capacity in kW of the appliance, operating in heating mode at full load.

## ENERGY EFFICIENCY CLASS OF THE UNIT IN HEATING MODE:

<b>A</b>	$EER > 3.60$
<b>B</b>	$3.60 \geq EER > 3.40$
<b>C</b>	$3.40 \geq EER > 3.20$
<b>D</b>	$3.20 \geq EER > 2.80$
<b>E</b>	$2.80 \geq EER > 2.60$
<b>F</b>	$2.60 \geq EER > 2.40$
<b>G</b>	$2.40 \geq EER$

Noise level: only for portable units.

(\*): For multi-models Daikin chooses only to mention 1 outdoor unit with a maximum of 2 indoor units (wall mounted type) - for other units we refer to the multi brochure.



Daikin residential air conditioning is the modern, economic and efficient way to switch on to springtime - in the living room, dining room, kitchen or bedroom, night and day, throughout the year.

Daikin air conditioning units are easy to install, easy to use, ultra reliable, quiet running and come in an elegant and up to date range of wall, floor and ceiling mounted indoor models.

Also, the incorporation of inverter control enables Daikin to bring air conditioning technology of the future to the residential market today. Inverter control cuts start up time and energy consumption by almost a third, alters unit output to suit outdoor conditions, improves performance relative to power input, ensures a more even room temperature and eliminates power surges and stop/start cycles.

# Residential & Commercial

## 1. Wall mounted unit

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## 5. Ceiling suspended units

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FH-B / R-FUY1	25

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FDMG-A / R-FUY1	35
FDYM-C / RY-C	36
FDYM-C / RY-CY	37



# FT-D / R-D

## Wall Mounted Unit



ARC433B55



FT25,35DVM



R25,35DV1

- Air purification filter with photocatalytic deodorising function
- Auto-restart after power failure
- Filter cleaning indicator
- Mould-proof air filter
- Night set mode saves energy by preventing overcooling or overheating during night time
- Power-airflow dual flaps
- Self-diagnosis with digital display
- Vertical auto-swing function moves the discharge flaps up and down for efficient air distribution throughout the room
- Wide angle louvers provide a comfortable air flow throughout the entire room



### COOLING ONLY

### NON-INVERTER

Indoor Units				FT25DVM	FT35DVM
Capacity	Cooling capacity	Standard	kW	2.62 (220V)	3.58 (220V)
EER	Nominal			3.21 (220V)	3.20 (220V)
Annual energy consumption			kWh		-
Energy Label	cooling			A	B
Dimensions	(Height x Width x Depth)		mm	283x800x195	
Weight			kg	9	
Air Flow Rate	Cooling	High/Medium/Low	m³/min	8.8 / 7.4 / 5.9	9.9 / 8.3 / 6.8
Sound Pressure	Heating	High/Low	dBA	36 / 28	39 / 31
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50Hz	

Outdoor Unit			R25DV1	R35DV1
Dimensions	(Height x Width x Depth)	mm	560x695x265	
Weight		kg	27	33
Operation Range	Cooling	Min~Max	19.4~46	
Sound Pressure (Standard)	Cooling		46 (220V)	48 (220V)
Refrigerant		Type	R-22	
Power Supply			1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain	mm	6.35 / 9.52 / 18	6.35 / 12.7 / 18
Piping Length (Maximum)		m	25	
Max. interunit level difference		m	15	



FT50.60GAVFA

R60GV1k9

- 

## NON-INVERTER

Outdoor Unit			R50GV1K9	R60GV1K9
Dimensions	(Height x Width x Depth)		540x750x270	685x800x300
Weight			42	61
Operation Range	Cooling	Min~Max	19.4~54	
Sound Pressure (Standard)	Cooling		49	54
Refrigerant			R-22	
Power Supply			1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain	mm	6.35 / 15.9 / 18	
Piping Length (Maximum)			30	

11



# FA-F / R-FUV1

## Wall Mounted Unit



BRC1C61

BRC7C69W

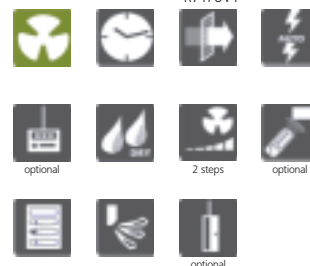


FA71FVEK



R71FUV1

- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Fits neatly on a wall
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- High fan speed mode for further comfort
- All maintenance operations can be carried out from the front of the unit
- Daikin remote controls give you easy control at your fingertips
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer



### COOLING ONLY

### NON-INVERTER

Indoor Units				FA71FVEK9	FA100FVEK9
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)
EER	Nominal			-	-
Annual energy consumption			kWh	-	-
Energy Label	Cooling			-	-
Dimensions	(Height x Width x Depth)		mm	360x1,570x200	360x1,690x200
Weight			kg	26	27
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min	19 / 16	24 / 20
Sound Pressure	Cooling	High/Low	dBA	41 / 37	45 / 41
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50/60Hz	

Outdoor Unit				R71FUV1	R100FUV1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370
Weight			kg	87	117
Operation Range	Cooling	Min~Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	52	56
Refrigerant			Type	R-22	
Power Supply				1~/220V-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)  
 Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FA-F / R-FUY1

## Wall Mounted Unit



BRC1C61

BRC7C69W



FA71FVEK



R71FUY1



optional



optional

- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Fits neatly on a wall
- Auto-swing function ensures efficient air distribution via louvers that close automatically when the unit is switched off
- High fan speed mode for further comfort
- All maintenance operations can be carried out from the front of the unit
- Daikin remote controls give you easy control at your fingertips
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer

### COOLING ONLY

### NON-INVERTER

Indoor Units				FA71FVEK9	FA100FVEK9
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)
EER	Nominal			-	-
Annual energy consumption			kWh	-	-
Energy Label	Cooling			-	-
Dimensions	(Height x Width x Depth)		mm	360x1,570x200	360x1,690x200
Weight			kg	26	27
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min	19 / 16	24 / 20
Sound Pressure	Cooling	High/Low	dBA	41 / 37	45 / 41
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50/60Hz	

Outdoor Unit				R71FUY1	R100FUY1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370
Weight			kg	84	109
Operation Range	Cooling	Min~Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	52	56
Refrigerant			Type	R-22	
Power Supply				3~/380V-415V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FL-HA / R-G

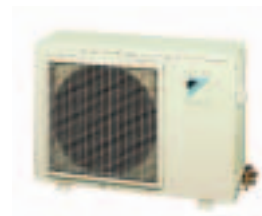
## Flexi Type Unit



ARC423A20

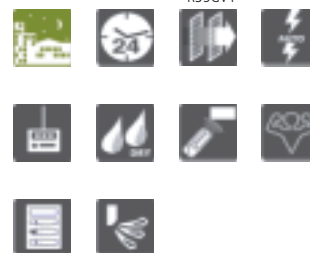


FL35HAV1



R35GV1

- Attractive design suitable for most interiors with slim and rounded shapes.
- 24-Hour On/Off timer
- Auto-restart after power failure
- Filter cleaning indicator
- Indoor unit On/Off switch
- Air purification filter



### COOLING ONLY

### NON-INVERTER

Indoor Units			FL35HAV1
Capacity	Cooling capacity	Standard	kW
EER	Nominal		3.11 (220V) / 2.93 (240V)
Annual energy consumption			kWh
Energy Label	cooling		8
Dimensions	(Height x Width x Depth)		mm
Weight			kg
Air Flow Rate	Cooling	High/Medium/Low	m³/min
Sound Pressure	Cooling	High/Medium/Low	dBA
Refrigerant		Type	R-22
Power Supply			1~/220-240V/50Hz

Outdoor Unit			R35GV1
Dimensions	(Height x Width x Depth)		mm
Weight			kg
Operation Range	Cooling	Min~Max	°CDB
Sound Pressure (Standard)	Cooling		dBA
Refrigerant		Type	R-22
Power Supply			1~/220-240V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm
Piping Length (Maximum)			m
Max. internunit level difference			m

Note: Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FL-HA / R-G

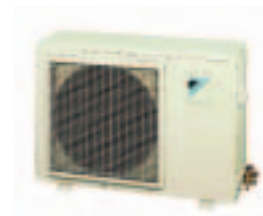
## Flexi Type Unit



ARC423A20

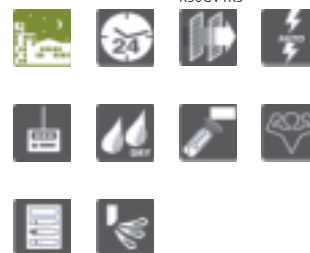


FL50HAV1



R50GV1K9

- Attractive design suitable for most interiors with slim and rounded shapes.
- 24-Hour On/Off timer
- Auto-restart after power failure
- Filter cleaning indicator
- Indoor unit On/Off switch
- Air purification filter



### COOLING ONLY

### NON-INVERTER

Indoor Units				FL50HAV1	
Capacity	Cooling capacity	Standard	kW	5.0	
EER	Nominal			2.58 (220V) / 2.35 (240V)	
Annual energy consumption			kWh	-	
Energy Label	cooling			E	
Dimensions	(Height x Width x Depth)		mm	490x1,050x200	
Weight			kg	17	
Air Flow Rate	Cooling	High/Medium/Low	m³/min	11.4 / 9.9 / 8.5	
Sound Pressure	Cooling	High/Medium/Low	dBA	47 (220V/240V) / 43 (220V/240V) / 39 (220V/240V)	
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50Hz	

Outdoor Unit				R50GV1K9	
Dimensions	(Height x Width x Depth)		mm	540x750x270	
Weight			kg	42	
Operation Range	Cooling	Min~Max	°CDB	19.4~54	
Sound Pressure (Standard)	Cooling		dBA	49	
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 15.9 / 18	
Piping Length (Maximum)			m	30	

Note: Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FV-L / R-FUV1

## Floor Standing Unit



FV100LAVE3



R100FUV1



2 steps



- Ideal for installations where extra high ceilings could lead to inefficient heating from ceiling mounted units
- Horizontal auto swing louvres ensure comfortable airflow
- Manually adjustable vertical louvres
- LCD displays text, numerals and graphics indicating temperature setting, timer setting, auto-swing, fan speed etc.
- LCD panel can also be detached and used as a remote controller, enabling air conditioning to be controlled from another room or a cash register.
- Two selectable thermo-sensors
- Easy installation and maintenance

### COOLING ONLY

### NON-INVERTER

Indoor Units				FV71LAVE3	FV100LAVE3
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)
EER	Nominal			-	-
Annual energy consumption			kWh	-	-
Energy Label	Cooling			-	-
Dimensions	(Height x Width x Depth)		mm	1,850x600x270	1,850x600x350
Weight			kg	39	46
Air Flow Rate	Cooling	High/Low	m³/min	18 / 14	28 / 22
Sound Pressure	Cooling	High/Low	dBA	41 / 35	46 / 40
Refrigerant			Type	R-22	
Power Supply				1~220-240V/50/60Hz	

Outdoor Unit				R71FUV1	R100FUV1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370
Weight			kg	87	117
Operation Range	Cooling	Min-Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	52	56
Refrigerant			Type	R-22	
Power Supply				1~220V-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FV-L / R-FUY1

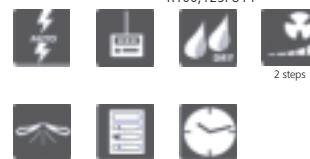
## Floor Standing Unit



FV100, 125LAVE3



R100, 125FUY1



- Ideal for installations where extra high ceilings could lead to inefficient heating from ceiling mounted units
- Horizontal auto swing louvres ensure comfortable airflow
- Manually adjustable vertical louvres
- LCD displays text, numerals and graphics indicating temperature setting, timer setting, auto-swing, fan speed etc.
- LCD panel can also be detached and used as a remote controller, enabling air conditioning to be controlled from another room or a cash register.
- Two selectable thermo-sensors
- Easy installation and maintenance

### COOLING ONLY

### NON-INVERTER

Indoor Units				FV71LAVE3	FV100LAVE3	FV125LAVE3
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)	13.0(1)/12.8(2)
EER	Nominal				-	-
Annual energy consumption			kWh		-	-
Energy Label	Cooling				-	-
Dimensions	(Height x Width x Depth)	mm		1,850x600x270	1,850x600x350	
Weight		kg		39	46	47
Air Flow Rate	Cooling	High/Low	m³/min	18 / 14	28 / 22	32 / 25
Sound Pressure	Cooling	High/Low	dBA	41 / 35	46 / 40	49 / 43
Refrigerant		Type		R-22		
Power Supply				1~/220-240V/50/60Hz		

Outdoor Unit				R71FUY1	R100FUY1	R125FUY1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370	
Weight			kg	84	109	110
Operation Range	Cooling	Min-Max	°CDB	21~52		
Sound Pressure	Cooling		dBA	52	56	57
Refrigerant			Type	R-22		
Power Supply				3~/380-415V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26	
Piping Length (Maximum)			m	50		

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



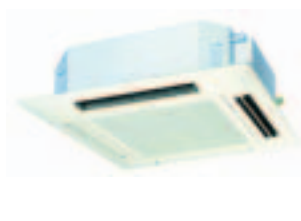
# FHC-K / R-G

## 4-Way Blow Ceiling Mounted Cassette



BRC1C61

BRC7C613W

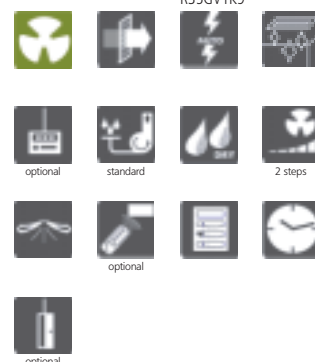


FHC35KVE9



R35GV1K9

- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Choice between 8 air flow distribution patterns
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Air flow distribution for ceiling heights up to 4.2m without loss of capacity.
- Choice between 3 auto-swing positions for maximum comfort: standard, draught prevention, ceiling soiling prevention
- Excellent low draught characteristics
- Two selectable thermo-sensors
- Drain-up pump with 750mm lift fitted as standard
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer



### COOLING ONLY

Indoor Units			
Capacity	Cooling capacity	Standard	kW
EER	Nominal		
Annual energy consumption			kWh
Energy Label	cooling		
Dimensions	(Height x Width x Depth)		mm
Weight			kg
Air Flow Rate	Cooling	High/Low	m³/min
Sound Pressure	Cooling	High/Low	dBA
Refrigerant			Type
Power Supply			
Decoration Panel	Model		
	Colour		
	HxWxD		mm
	Weight		kg

### NON-INVERTER

FHC35KVE9			
3.54(1)/3.5(2)			
-			
-			
-			
230x840x840			
24			
14 / 10			
33 / 29			
R-22			
1~220-240V/50/60Hz			
BYC125K-W1			
White			
40x950x950			
5			

Outdoor Unit				R35GV1K9			
Dimensions	(Height x Width x Depth)		mm	540x750x270			
Weight			kg	37			
Operation Range	Cooling	Min~Max	°CDB	19.4~46			
Sound Pressure (Standard)	Cooling		dBA	48			
Refrigerant			Type	R-22			
Power Supply				1~220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 12.7 / 18			
Piping Length (Maximum)			m	25			
Max. internunit level difference			m	15			

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)  
 Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)





# FHC-K / R-FUV1

## 4-Way Blow Ceiling Mounted Cassette



BRC1C61

BRC7C613W

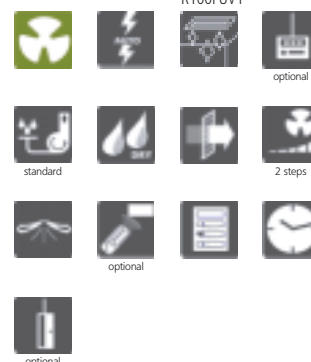


FHC71,100KVE9



R100FUV1

- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Choice between 8 air flow distribution patterns
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Air flow distribution for ceiling heights up to 4.2m without loss of capacity.
- Choice between 3 auto-swing positions for maximum comfort: standard, draught prevention, ceiling soiling prevention
- Excellent low draught characteristics
- Two selectable thermo-sensors
- Drain-up pump with 750mm lift fitted as standard
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer



### COOLING ONLY

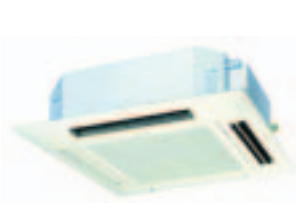
### NON-INVERTER

Indoor Units				FHC71KVE9	FHC100KVE9
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)
EER	Nominal			-	-
Annual energy consumption			kWh	-	-
Energy Label	Cooling			-	-
Dimensions	(Height x Width x Depth)		mm	230x840x840	288x840x840
Weight			kg	24	28
Air Flow Rate	Cooling	High/Low	m³/min	19 / 14	28 / 21
Sound Pressure	Cooling	High/Low	dBA	36 / 30	39 / 34
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50/60Hz	
Decoration Panel	Model			BYC125K-W1	
	Colour			White	
	HxWxD		mm	40x950x950	
	Weight		kg	5	

Outdoor Unit				R71FUV1	R100FUV1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370
Weight			kg	87	117
Operation Range	Cooling	Min-Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	52	56
Refrigerant			Type	R-22	
Power Supply				1~/220V-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



R100.125FUY1

- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Choice between 8 air flow distribution patterns
- Possibility to shut 1 or 2 flaps for easy installation in corners
- Air flow distribution for ceiling heights up to 4.2m without loss of capacity.
- Choice between 3 auto-swing positions for maximum comfort: standard, draught prevention, ceiling soiling prevention
- Excellent low draught characteristics
- Two selectable thermo-sensors
- Drain-up pump with 750mm lift fitted as standard
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer



optional



standard

2 steps



optional

optional

## NON-INVERTER

Indoor Units				FHC71KVE9	FHC100KVE9	FHC125KVE9
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)	13.0(1)/12.8(2)
EER	Nominal			-		
Annual energy consumption			kWh	-		
Energy Label	Cooling			-		
Dimensions	(Height x Width x Depth)		mm	230x840x840	288x840x840	
Weight	kg			24	28	
Air Flow Rate	Cooling	High/Low	m³/min	19 / 14	28 / 21	33 / 24
Sound Pressure	Cooling	High/Low	dBA	35 / 30	39 / 34	42 / 36
Refrigerant			Type	R-22		
Power Supply				1~220-240V/50/60Hz		
Decoration Panel	Model	BYC125K-W1				
	Colour	White				
	HxWxD	mm	40x950x950			
	Weight	kg	5			

Outdoor Unit			R71FUY1	R100FUY1	R125FUY1
Dimensions	(Height x Width x Depth)		816x880x370	1,215x880x370	
Weight			84	109	110
Operation Range	Cooling	Min~Max	°CDB 21~52		
Sound Pressure	Cooling		52	56	57
Refrigerant	Type		R-22		
Power Supply			3~/380-415V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain	mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26	
Piping Length (Maximum)	m		50		

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)





# FH-B / R-G

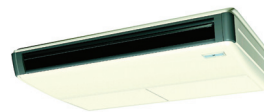
## Ceiling Suspended Unit



BRC1C61



BRC7E66

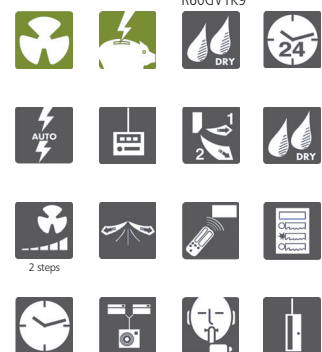


FH60BVE



R60GV1K9

- Ideal solution for shops, restaurants or offices without false ceilings
- Compact design
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity.
- Wider air discharge thanks to Coanda effect: up to 100 degrees
- Drain pump kit available as accessory
- Easy installation and maintenance
- Two selectable thermo-sensors



### COOLING ONLY

Indoor Units			
Capacity	Cooling capacity	Standard	kW
EER	Nominal		
Annual energy consumption			
Energy Label	cooling		
Dimensions	(Height x Width x Depth)		mm
Weight			kg
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min
Sound Pressure	Cooling	High/Low	dBA
Refrigerant	Type		
Power Supply			

### NON-INVERTER

FH50BVE		FH60BVE	
Capacity		5.19(1)/5.1(2)	
EER		6.6(1)/6.5(2)	
Annual energy consumption			
Energy Label			
Dimensions		195x960x680	
Weight		24	
Air Flow Rate		13 / 10	
Sound Pressure		38 / 33	
Refrigerant		R-22	
Power Supply		1~/220-240V/50/60Hz	

Outdoor Unit			
Dimensions	(Height x Width x Depth)		mm
Weight			kg
Operation Range	Cooling	Min~Max	°CDB
Sound Pressure (Standard)	Cooling		dBA
Refrigerant	Type		
Power Supply			
Piping connections	Liquid (OD)/Gas/Drain		mm
Piping Length (Maximum)	m		

R50GV1K9		R60GV1K9	
Dimensions		540x750x270	
Weight		42	
Operation Range		19.4~54	
Sound Pressure (Standard)		49	
Refrigerant		R-22	
Power Supply		1~/220-240V/50Hz	
Piping connections		6.35 / 15.9 / 18	
Piping Length (Maximum)		30	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)  
 Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FH-B / R-FUV1

## Ceiling Suspended Unit



BRC1C61

BRC7E66

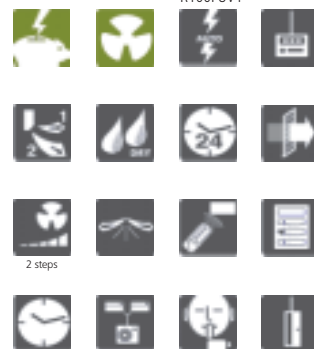


FH100BVE



R100FUV1

- Ideal solution for shops, restaurants or offices without false ceilings
- Compact design
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity.
- Wider air discharge thanks to Coanda effect: up to 100 degrees
- Drain pump kit available as accessory
- Easy installation and maintenance
- Two selectable thermo-sensors



### COOLING ONLY

### NON-INVERTER

Indoor Units				FH71BVE	FH100BVE
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)
EER	Nominal			-	-
Annual energy consumption			kWh	-	-
Energy Label	Cooling			-	-
Dimensions	(Height x Width x Depth)		mm	195x1,160x680	195x1,400x680
Weight			kg	27	32
Air Flow Rate	Cooling	High/Low	m³/min	17 / 14	24 / 20
Sound Pressure	Cooling	High/Low	dBA	39 / 35	42 / 37
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50/60Hz	

Outdoor Unit				R71FUV1	R100FUV1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370
Weight			kg	87	117
Operation Range	Cooling	Min-Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	52	56
Refrigerant			Type	R-22	
Power Supply				1~/220V-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FH-B / R-FUY1

## Ceiling Suspended Unit



BRC1C61



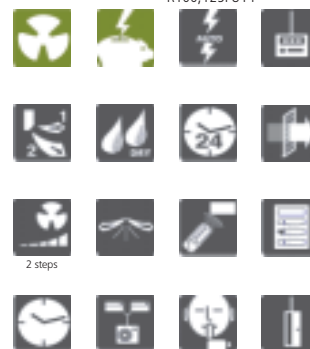
BRC7E66



FH100BVE

R100,125FUY1

- Ideal solution for shops, restaurants or offices without false ceilings
- Compact design
- Leaves maximum floor and wall space for furniture, decorations and fittings
- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity.
- Wider air discharge thanks to Coanda effect: up to 100 degrees
- Drain pump kit available as accessory
- Easy installation and maintenance
- Two selectable thermo-sensors



### COOLING ONLY

Indoor Units				FH71BVE	FH100BVE	FH125BVE
Capacity	Cooling capacity	Standard	kW	7.8(1)/7.7(2)	10.6(1)/10.5(2)	13.0(1)/12.8(2)
EER	Nominal				-	
Annual energy consumption			kWh		-	
Energy Label	Cooling				-	
Dimensions	(Height x Width x Depth)		mm	195x1,160x680	195x1,400x680	195x1,590x680
Weight			kg	27	32	35
Air Flow Rate	Cooling	High/Low	m³/min	17 / 14	24 / 20	30 / 25
Sound Pressure	Cooling	High/Low	dBA	39 / 35	42 / 37	44 / 39
Refrigerant			Type	R-22		
Power Supply				1~/220-240V/50/60Hz		

Outdoor Unit				R71FUY1	R100FUY1	R125FUY1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370	
Weight			kg	84	109	110
Operation Range	Cooling	Min-Max	°CDB	21~52		
Sound Pressure	Cooling		dBA	52	56	57
Refrigerant			Type	R-22		
Power Supply				3~/380-415V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	9.52 / 19.1 / 26	
Piping Length (Maximum)			m	50		

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



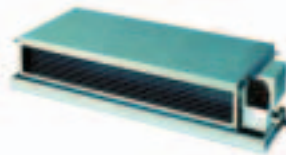


# FDBG-A / R-G

## Concealed Ceiling Unit



KRC47-1A



FDBG60AVE



R60GV1K9



2 steps



optional

- Leaves maximum floor and wall space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 270mm

### COOLING ONLY

### NON-INVERTER

Indoor Units				FDBG50AVE	FDBG60AVE
Capacity	Cooling capacity	Standard	kW	5.34(1)/5.30(2)	7.03(1)/6.97(2)
EER	Nominal			-	-
Annual energy consumption			kWh	-	-
Energy Label	cooling			-	-
Dimensions	(Height x Width x Depth)		mm	260x900x580	260x1,300x580
Weight			kg	23	31
Air Flow Rate	Cooling	High/Low	m³/min	13 / 11	18 / 15
Sound Pressure	Cooling	High/Low	dBA	41 / 38	42 / 39
Refrigerant	Type			R-22	
Power Supply				1~/220-240V/50/60Hz	

Outdoor Unit				R50GV1K9	R60GV1K9
Dimensions	(Height x Width x Depth)		mm	540x750x270	685x800x300
Weight			kg	42	61
Operation Range	Cooling	Min~Max	°CDB	19.4~54	
Sound Pressure (Standard)		Cooling	dBA	49	54
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	6.35 / 15.9 / 18	
Piping Length (Maximum)			m	30	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

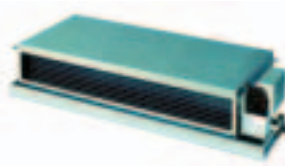


# FDBG-A / R-FUV1

## Concealed Ceiling Unit



KRC47-1A



FDBG71AVE



R71FUV1



2 steps



optional

- Leaves maximum floor and wall space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 270mm

### COOLING ONLY

Indoor Units				NON-INVERTER	
Capacity	Cooling capacity	Standard	kW	FDBG71AVE	
EER	Nominal			7.8(1)/7.7(2)	
Annual energy consumption			kWh	-	
Energy Label	Cooling			-	
Dimensions	(Height x Width x Depth)		mm	260x1,300x580	
Weight			kg	31	
Air Flow Rate	Cooling	High/Low	m³/min	18 / 15	
Sound Pressure	Cooling	High/Low	dBA	42 / 39	
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50/60Hz	

Outdoor Unit				R71FUV1	
Dimensions	(Height x Width x Depth)		mm	816x880x370	
Weight			kg	87	
Operation Range	Cooling	Min-Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	52	
Refrigerant			Type	R-22	
Power Supply				1~/220V-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26	
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

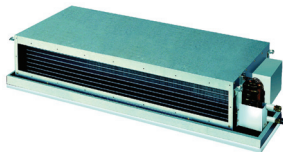


# FDBG-A / R-FUY1

## Concealed Ceiling Unit



KRC47-1A



FDBG71AVE



R71FUY1

- Leaves maximum floor and wall space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 270mm



### COOLING ONLY

Indoor Units			
Capacity	Cooling capacity	Standard	kW
EER	Nominal		
Annual energy consumption	kWh		
Energy label	Cooling		
Dimensions	(Height x Width x Depth)	mm	
Weight	kg		
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min
Sound Pressure	Cooling	High/Low	dBA
Refrigerant	Type		
Power Supply			

### NON-INVERTER

FDBG71AVE			
7.8(1)/7.7(2)			
-			
-			
-			
260x1,300x580			
31			
18 / 15			
42 / 39			
R-22			
1~/220-240V/50/60Hz			

Outdoor Unit				R71FUY1			
Dimensions	(Height x Width x Depth)	mm		816x880x370			
Weight	kg			84			
Operation Range	Cooling	Min-Max	°CDB	21~52			
Sound Pressure	Cooling		dBA	52			
Refrigerant	Type			R-22			
Power Supply				3~/380-415V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain	mm		9.52 / 15.9 / 26			
Piping Length (Maximum)	m			50			

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)  
Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FDYB-C / RY-C

## Concealed Ceiling Unit



SLM3



FDYB-C



RY-CV1M



standard



heat pump



4 steps

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Double protection drainage system
- Slim design for flexible installation
- Compact indoor models and twin coil structure save installation space
- Easy operation and maintenance
- Multiple rooms conditioned via single fan coil unit
- Fresh air intake for healthy living
- Superior air distribution for comfortable living

## HEAT PUMP

## NON-INVERTER

Indoor Units				FDYB30CV1M	FDYB40CV1M	FDYB60CV1M	FDYB71CV1M	FDYB90CV1M		FDYB125CV1M	
Capacity	Cooling capacity	Standard	kW	2.782	3.605	5.570	6.740	8.602	8.792	9.818	
	Heating capacity	Standard	kW	2.782	3.515	5.800	7.330	8.499	8.792	10.257	
EER / COP	Cooling / Heating			3.18 / 3.31	2.95 / 3.31	3.03 / 3.32	2.95 / 3.24	2.75 / 3.15	2.82 / 2.85	3.06 / 3.20	
Annual energy consumption			kWh	438	611	919	1,143	1,562	1,558	1,605	
Energy Label	cooling / heating			B / C	C / C	B / C	C / C	D/D	C/D	B/D	
Dimensions		(Height x Width x Depth)		mm		261x765x411	261x1,065x411	261x1,200x411	378x929x541		378x1,045x541
Weight				kg		17	21	22	25	39	42
Air Flow Rate	Cooling	High/Medium/Low	m³/min	7.62 / 7.08 / 5.94	15.3 / 13.32 / 9.9	18.42 / 18.18 / 16.14	21.78 / 20.4 / 16.44	-		-	
		SH/H/M/L	m³/min	-				20.64 / 24.9 / 22.38 / 20.94		33.72 / 30.00 / 28.32 / 27.48	
Sound Power	Cooling	High/Medium/Low	dBA	57 / 54 / 51	61 / 58 / 52	65 / 64 / 60	66 / 64 / 61	-		-	
		SH/H/M/L	dBA	-				76 / 73 / 69 / 64		78 / 76 / 72 / 68	
Sound Pressure	Cooling	High/Medium/Low	dBA	33 / 30 / 26	37 / 34 / 29	38 / 36 / 34	40 / 39 / 36	-		-	
		SH/H/M/L	dBA	-				49 / 46 / 42 / 38		51 / 49 / 45 / 41	
Refrigerant			Type	R-22							
Power Supply				1~220-240V/50Hz							

Outdoor Unit				RY30CV1M	RY40CV1M	RY60CV1M	RY71CV1M	RY80CV1M	RY90CV1M	RY100CV1M	
Dimensions		(Height x Width x Depth)		mm		540x700x250	648x855x328	750x855x328		850x1,030x400	
Weight				kg		32	59	62	68	95	
Operation Range	Cooling	Min~Max	°CDB	19.0~46.0							
	Heating	Min~Max	°CWB	-9.0~18.0							
Sound pressure				dBA		46	49	51	52	54	58
Refrigerant				Type		R-22					
Power Supply				1~/220-240V/50Hz							
Piping connections		Liquid (OD)/Gas		mm		6.35 / 9.52	6.35 / 12.7	6.35 / 15.9	9.52 / 15.9		9.52 / 19.1
Piping Length (Maximum)				m		12		15			45



# FDYB-C / RY-CY

## Concealed Ceiling Unit



SLM3



FDYB-C



RY-CY1M



standard

heat pump



4 steps

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Double protection drainage system
- Slim design for flexible installation
- Compact indoor models and twin coil structure save installation space
- Easy operation and maintenance
- Multiple rooms conditioned via single fan coil unit
- Fresh air intake for healthy living
- Superior air distribution for comfortable living

## HEAT PUMP

## NON-INVERTER

Indoor Units				FDYB90CV1M	FDYB125CV1M	FDYB140CV1M	FDYB160CV1M	
Capacity	Cooling capacity	Standard	kW	8.792	11.723	14.654	16.410	
	Heating capacity	Standard	kW	8.792	11.723	15.533	16.410	
EER / COP	Cooling / Heating			2.84 / 2.87	3.22 / 3.50	2.89 / 3.47	2.79 / 3.38	
Annual energy consumption			kWh	1,548	1,822	2,535	2,942	
Energy Label	cooling / heating			C / D	A / B	C / B	D / C	
Dimensions	(Height x Width x Depth)			mm	378x929x541	378x1,299x541	378x1,499x541	
Weight				kg	39	42	54	62
Air Flow Rate	Cooling	SH/HML	m³/min	26.64 / 24.9 / 22.38 / 20.94	33.72 / 30.00 / 28.32 / 27.48	42.78 / 37.68 / 37.08 / 35.94	48.12 / 45.90 / 43.02 / 41.58	
Sound Power	Cooling	SH/HML	dBA	76 / 73 / 69 / 64	78 / 76 / 72 / 68	78 / 76 / 73 / 70	79 / 78 / 75 / 71	
Sound Pressure	Cooling	SH/HML	dBA	49 / 46 / 42 / 38	51 / 49 / 45 / 41	53 / 52 / 50 / 47	55 / 53 / 50 / 47	
Refrigerant			Type	R-22				
Power Supply				1~/220-240V/50Hz				

Outdoor Unit				RY90CY1M	RY125CY1M	RY140CY1M	RY160CY1M
Dimensions	(Height x Width x Depth)		mm	850x1,030x400			
Weight			kg	95	100	105	108
Operation Range	Cooling	Min~Max	°CDB	19.0~46.0			
	Heating	Min~Max	°CWB	-9.0~18.0			
Sound pressure			dBA	58			61
Refrigerant			Type	R-22			
Power Supply				3~/380-415V/50Hz			
Piping connections	Liquid (OD)/Gas	mm	9.52 / 15.9	9.52 / 19.1		12.7 / 19.1	
Piping Length (Maximum)			m	45		35	

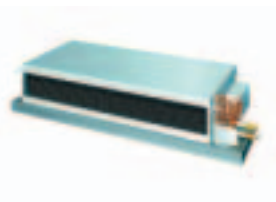


# FDMG-A / RG-AV

## Concealed Ceiling Unit



KRC47-1A



FDMG71AV1



RG71AV1



optional

- Slim design for flexible installation
- Ideal for use in larger areas
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths

### COOLING ONLY

Indoor Units			
Capacity	Cooling capacity	Standard	kW
EER	Nominal		
Annual energy consumption			kWh
Energy Label	Cooling		
Dimensions	(Height x Width x Depth)		mm
Weight			kg
Air Flow Rate	Cooling	Medium	m³/min
Sound Pressure	Cooling	High/Low	dBA
Refrigerant			Type
Power Supply			

### NON-INVERTER

FDMG71AV1			
8.8(1)/8.7(2)/7.1(3)			
-			
-			
-			
305x1,350x680			
43			
23			
42 / 38			
R-22			
1~/220-240V/50Hz			

Outdoor Unit				RG71AV1			
Dimensions	(Height x Width x Depth)		mm	816x880x370			
Weight			kg	87			
Operation Range	Cooling	Min~Max	°CDB	21~52			
Sound Pressure	Cooling		dBA	52			
Refrigerant			Type	R-22			
Power Supply				1~/220V-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	50			

Note (1) Cooling capacities are based on: indoor temp. 27°CDB/81°FDB, 19.5°CWB/67°FWB; outdoor temp. 35°CDB/95°FDB, 24°CWB/75°FWB; piping length: 5m (horizontal)

Note (2) Cooling capacities are based on: indoor temp. 27°CDB/81°FDB, 19.0°CWB/66°FWB; outdoor temp. 35°CDB/95°FDB, 24°CWB/75°FWB; piping length: 5m (horizontal)

Note (3) Cooling capacities are based on: indoor temp. 29°CDB/84°FDB, 19.0°CWB/66°FWB; outdoor temp. 46°CDB/115°FDB, 24°CWB/75°FWB; piping length: 7.5m (horizontal); Standard: SSA 385/386



# FDMG-A / RG-AY

## Concealed Ceiling Unit



KRC47-1A



FDMG71AV1



RG71AY1



optional

- Slim design for flexible installation
- Ideal for use in larger areas
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths

### COOLING ONLY

Indoor Units			
Capacity	Cooling capacity	Standard	kW
EER	Nominal		
Annual energy consumption			kWh
Energy Labeling	Cooling		
Dimensions	(Height x Width x Depth)	mm	
Weight		kg	
Air Flow Rate	Cooling	Medium	m³/min
Sound Pressure	Cooling	High/Low	dBA
Refrigerant		Type	
Power Supply			

### NON-INVERTER

FDMG71AY1	FDMG140AV1	FDMG180AV1
8.8(1)/8.7(2)/7.1(3)	14.5(1)/14.2(2)/12.3(3)	17.2(1)/16.8(2)/15.1(3)
-	-	-
-	-	-
305x1,350x680	305x1,550x680	305x1,900x680
43	52	58
23	42	
42 / 38	46 / 37	47 / 37
	R-22	
	1~220-240V/50Hz	

Outdoor Unit				RG71AY1	RG140AY1	RG180AY1
Dimensions	(Height x Width x Depth)	mm		816x880x370	1,345x880x370	
Weight		kg		84	113	114
Operation Range	Cooling	Min~Max	°CDB	21~52	21~50	
Sound Pressure	Cooling		dBA	52	55	56
Refrigerant		Type			R-22	
Power Supply					3~380-415V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain	mm		9.52 / 15.9 / 26	9.52 / 19.1 / 26	9.52 / 19.1 / 26
Piping Length (Maximum)		m			50	

Note (1) Cooling capacities are based on: indoor temp. 27°CDB/81°FDB, 19.5°CWB/67°FWB; outdoor temp. 35°CDB/95°FDB, 24°CWB/75°FWB; piping length: 5m (horizontal)

Note (2) Cooling capacities are based on: indoor temp. 27°CDB/81°FDB, 19.0°CWB/66°FWB; outdoor temp. 35°CDB/95°FDB, 24°CWB/75°FWB; piping length: 5m (horizontal)

Note (3) Cooling capacities are based on: indoor temp. 29°CDB/84°FDB, 19.0°CWB/66°FWB; outdoor temp. 46°CDB/115°FDB, 24°CWB/75°FWB; piping length: 7.5m (horizontal); Standard: SSA 385/386

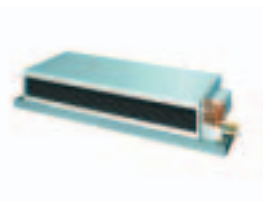


# FDMG-A / R-FUV1

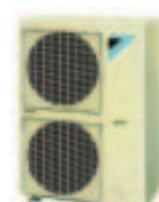
## Concealed Ceiling Unit



KRC47-1A



FDMG100AV1



R100FUV1



optional

- Slim design for flexible installation
- Ideal for use in larger areas
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths

### COOLING ONLY

Indoor Units			
Capacity	Cooling capacity	Gross	kW
EER	Nominal		
Annual energy consumption			kWh
Energy Label	Cooling		
Dimensions	(Height x Width x Depth)		mm
Weight			kg
Air Flow Rate	Cooling	Medium	m³/min
Sound Pressure	Cooling	High/Low	dBA
Refrigerant			Type
Power Supply			

### NON-INVERTER

FDMG100AV1			
Capacity	Cooling capacity	Gross	10.6(1)/10.5(2)/8.0(3)
EER	Nominal		-
Annual energy consumption			-
Energy Label	Cooling		-
Dimensions	(Height x Width x Depth)		305x1,550x680
Weight			51
Air Flow Rate	Cooling	Medium	34
Sound Pressure	Cooling	High/Low	44 / 36
Refrigerant			R-22
Power Supply			1~/220V-240V/50Hz

Outdoor Unit				R100FUV1	
Dimensions	(Height x Width x Depth)		mm	1,215x880x370	
Weight			kg	117	
Operation Range	Cooling	Min~Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	56	
Refrigerant			Type	R-22	
Power Supply				1~/220V-240V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 19.1 / 26	
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (3) Cooling capacities are based on: indoor temp. 29°CDB/84°FDB, 19.0°CWB/66°FWB; outdoor temp. 46°CDB/115°FDB, 24°CWB/75°FWB; piping length: 7.5m (horizontal); Standard: SSA 385/386

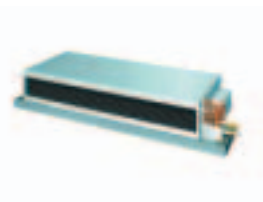


# FDMG-A / R-FUY1

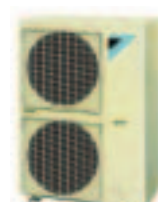
## Concealed Ceiling Unit



KRC47-1A



FDMG100,125AV1



R100,125FUY1



optional

- Slim design for flexible installation
- Ideal for use in larger areas
- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Medium external static pressure facilitates unit use with flexible ducts of varying lengths

### COOLING ONLY

### NON-INVERTER

Indoor Units				FDMG100AV1	FDMG125AV1
Capacity	Cooling capacity	Gross	kW	10.6(1)/10.5(2)/8.0(3)	13.1(1)/12.9(2)/11.2(3)
EER	Nominal			-	-
Annual energy consumption			kWh	-	-
Energy Labeling	Cooling			-	-
Dimensions	(Height x Width x Depth)		mm	305x1,550x680	
Weight			kg	51	52
Air Flow Rate	Cooling	Medium	m³/min	34	37
Sound Pressure	Cooling	High/Low	dBA	44 / 36	45 / 37
Refrigerant			Type	R-22	
Power Supply				1~/220-240V/50Hz	

Outdoor Unit				R100FUY1	R125FUY1
Dimensions	(Height x Width x Depth)		mm	1,215x880x370	
Weight			kg	109	110
Operation Range	Cooling	Min~Max	°CDB	21~52	
Sound Pressure	Cooling		dBA	56	57
Refrigerant			Type	R-22	
Power Supply				3~/380-415V/50Hz	
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 19.1 / 26	
Piping Length (Maximum)			m	50	

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (2) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.0°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)

Note (3) Cooling capacities are based on: indoor temp. 29°CDB/84°FDB, 19.0°CWB/66°FWB; outdoor temp. 46°CDB/115°FDB, 24°CWB/75°FWB; piping length: 7.5m (horizontal); Standard: SSA 385/386



# FDYM-C / RY-C

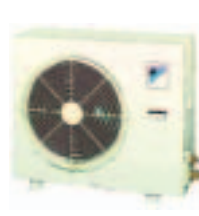
## Concealed Ceiling Unit



SLM3



FDYM-C



RY-CV1M



4 steps

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Double protection drainage system
- Slim design for flexible installation
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- Easy operation and maintenance
- Multiple rooms conditioned via single fan coil unit
- Fresh air intake for healthy living
- Superior air distribution for comfortable living

### HEAT PUMP

### NON-INVERTER

Indoor Units				FDYM30CV1M	FDYM40CV1M	FDYM60CV1M	FDYM71CV1M	FDYM80CV1M		FDYM90CV1M		FDYM100CV1M		FDYM125CV1M	
Capacity	Cooling capacity	Standard	kW	2.780	3.600	5.570	6.890	7.913	8.792	8.602	8.792	10.257	9.818	9.818	11.723
	Heating capacity	Standard	kW	2.780	3.600	5.800	7.030	8.206	8.792	8.499	8.792	10.550	10.257	10.257	11.723
EER / COP	Cooling / Heating			3.09/3.52	2.84/3.39	2.94/3.14	2.63/2.77	2.56/3.11	2.85/2.87	2.73/3.11	2.80/2.82	3.11/3.19	30.1/3.14	30.1/3.14	3.14/3.62
Annual energy consumption			kWh	450	634	948	1,308	1,546	1,545	1,577	1,573	1,652	1,633	1,633	1,864
Energy Label	cooling / heating			B / B	C / C	C / D	D / E	E / D	C / D	D / D	D / D	B / D	B / D	B / D	B / A
Dimensions (Height x Width x Depth)			mm	261x765x411	261x905x411	261x1,065x411	261x1,200x411	285x1,007x600		378x929x541		305x1,302x638		378x1,045x541	
Weight			kg	17	21	22	25	38		39		41		42	
Air Flow Rate	Cooling	High/Medium/Low SH/HM/L	m³/min m³/min	8.52/7.38/6.24	14.46/12.48/10.20	18.96/18.12/16.08	18.96/21.54/16.08								
Sound Power	Cooling	High/Medium/Low SH/HM/L	dBA dBA	57/54/51	61/58/52	65/64/60	66/64/61	24.06/22.92/21.78/20.10		25.50/23.52/21.54/20.10		43.62/41.64/40.20/38.22		31.14/30.00/28.02/25.50	
								67/64/61/57		76/73/69/64		80/76/73/70		78/76/72/68	
Sound Pressure	Cooling	High/Medium/Low SH/HM/L	dBA dBA	33/20/26	37/34/29	38/36/34	40/39/36								
								44/41/38/34		49/46/42/38		55/51/48/45		51/49/45/41	
Refrigerant			Type	R-22											
Power Supply				1~/220-240V/50Hz											

Outdoor Unit			RY30CV1M	RY40CV1M	RY60CV1M	RY71CV1M	RY80CV1M	RY90CV1M	RY100CV1M	RY125CV1M
Dimensions	(Height x Width x Depth)		540x700x250		648x855x328	750x855x328		850x1,030x400		
Weight			32		59	62	68	95		100
Operation Range	Cooling	Min~Max	19.0~46.0							
	Heating	Min~Max	-9.0~18.0							
Sound pressure			46	49	51	52	54	58		
Refrigerant			R-22							
Power Supply			1~/220-240V/50Hz							
Piping connections	Liquid (OD)/Gas	mm	6.35 / 9.52	6.35 / 12.7	6.35 / 15.9	9.52 / 15.9			9.52 / 19.1	
Piping Length (Maximum)	m		12		15			45		



# FDYM-C / RY-CY

## Concealed Ceiling Unit



SLM3



FDYM-C



RY-CY1M



standard



heat pump



4 steps

- Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Double protection drainage system
- Slim design for flexible installation
- Compact indoor models and twin coil structure save installation space
- Easy operation and maintenance
- Multiple rooms conditioned via single fan coil unit
- Fresh air intake for healthy living
- Superior air distribution for comfortable living

### HEAT PUMP

### NON-INVERTER

Indoor Units				FDYM80CV1M	FDYM90CV1M	FDYM100CV1M	FDYM125CV1M	FDYM140CV1M	FDYM160CV1M
Capacity	Cooling capacity	Standard	kW	8.792	8.792	11.137	11.723	14.654	16.410
	Heating capacity	Standard	kW	8.792	8.792	11.280	11.723	15.533	16.410
EER / COP	Cooling / Heating			2.86/2.89	2.81/2.84	2.98/3.28	3.17/3.65	2.90/3.49	2.73/3.30
Annual energy consumption			kWh	1,535	1,563	1,868	1,849	2,524	3,005
Energy Label	cooling / heating			C/D	C/D	C/C	B/A	C / B	D / C
Dimensions	(Height x Width x Depth)		mm	285x1,007x600	378x929x541	305x1,302x638	378x1,045x541	378x1,299x541	378x1,499x541
Weight				kg	38	39	41	42	54
Air Flow Rate	Cooling	High/Medium/Low	m³/min						
		SH/HML	m³/min	24.06 / 22.92 / 21.78 / 20.10	25.50 / 23.52 / 21.54 / 20.10	43.62 / 41.64 / 40.20 / 38.22	31.14 / 30.00 / 28.02 / 25.50	45.00 / 39.06 / 36.24 / 34.26	46.74 / 43.32 / 40.50 / 36.54
Sound Power	Cooling	High/Medium/Low	dBA						
		SH/HML	dBA	67 / 64 / 61 / 57	76 / 73 / 69 / 64	80 / 76 / 73 / 70	78 / 76 / 72 / 68	78 / 76 / 73 / 70	79 / 78 / 75 / 71
Sound Pressure	Cooling	High/Medium/Low	dBA						
		SH/HML	dBA	44 / 41 / 38 / 34	49 / 46 / 42 / 38	55 / 51 / 48 / 45	51 / 49 / 45 / 41	53 / 52 / 50 / 47	55 / 53 / 50 / 47
Refrigerant			Type	R-22					
Power Supply				1~/220-240V/50Hz					

Outdoor Unit				RY90CY1M	RY125CY1M	RY140CY1M	RY160CY1M
Dimensions		(Height x Width x Depth)		mm			
Weight				kg	95	100	105
Operation Range	Cooling	Min~Max	°CDB	19.0~46.0			
	Heating	Min~Max	°CWB	-9.0~18.0			
Sound pressure				dBA			
Refrigerant				Type			
Power Supply				R-22			
Piping connections		Liquid (OD)/Gas		mm			
Piping Length (Maximum)				m			



A range of high performance, low energy consumption air cooled packaged roof top units is produced by Daikin for supermarket, warehouse, factory, hotel, hospital, cinema and large store applications.

Heat pump 'plug and play' versions are easy to install and available as fully integrated systems comprising compressor, evaporator and condensing units for air transmission through ductwork to the conditioned space.

## *Roof Top & Packaged Systems*

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### **ROOF TOP UNITS**

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# FD-K / R-FUY1

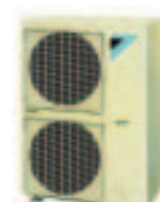
## Concealed Ceiling Unit



KRC47-3A



FD05KY1



R100,125FUY1



optional



optional

- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor
- High external static pressure facilitates unit use with flexible ducts of varying lengths
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer

### COOLING ONLY

### NON-INVERTER

Indoor Units				FD03KY1	FD04KY1	FD05KY1
Capacity	Cooling capacity	Gross	kW	8.1(1)	11.0(1)	14.0(1)
EER	Nominal			-		
Annual energy consumption			kWh	-		
Energy Label	Cooling			-		
Dimensions	(Height x Width x Depth)		mm	450x650x850	450x900x850	
Weight			kg	51	59	72
Air Flow Rate	Cooling	High	m³/min	26	30	46
Sound Pressure	Cooling			46	49	
Refrigerant			Type	R-22		
Power Supply				3~/380-415V/50Hz		

Outdoor Unit				R71FUY1	R100FUY1	R125FUY1
Dimensions	(Height x Width x Depth)		mm	816x880x370	1,215x880x370	
Weight			kg	84	109	110
Operation Range	Cooling	Min-Max	°CDB	21~52		
Sound Pressure	Cooling		dBA	52	56	57
Refrigerant			Type	R-22		
Power Supply				3~/380-415V/50Hz		
Piping connections	Liquid (OD)/Gas/Drain	mm		9.52 / 15.9 / 26	9.52 / 19.1 / 26	
Piping Length (Maximum)			m	50		

Note (1) Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FD-K / RU-K

## Concealed Ceiling Unit



KRC47-3A



FD08KY1



RU08KY1



- Ideal for shops, restaurants or offices requiring maximum floor space for furniture, decorations and fittings
- Blends unobtrusively with any interior décor
- High external static pressure facilitates unit use with flexible ducts of varying lengths
- Centralised control of several units can be achieved via 3 wired controls: centralised remote control, unified on/off control, schedule timer

### COOLING ONLY

### NON-INVERTER

Indoor Units				FD06KY1	FD08KY1	FD10KY1	FD15KY1	FD20KY1
Capacity	Cooling capacity	Standard	kW	17.4	24.3	29.7	48.6	59.3
EER	Nominal					-		
Annual energy consumption			kWh			-		
Energy Label	Cooling					-		
Dimensions	(Height x Width x Depth)	mm		450x1,130x850	500x1,130x850	500x1,330x850	625x1,620x850	625x1,980x850
Weight		kg		79	93	104	161	187
Air Flow Rate	Cooling	High	m³/min	52	68	83	136	166
Sound pressure	Cooling		dBA	51	51	53	58	60
Refrigerant		Type				R-22		
Power Supply						3~/380-415V/50Hz		

Outdoor Unit				RU06KY1	RU08KY1	RU10KY1	RU08KY1+RU08KY1	RU10KY1+RU10KY1
Dimensions	(Height x Width x Depth)	mm		1,345x880x320	1,220x1,280x690	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690
Weight		kg		112	177	190	177	190
Operation Range	Cooling	Min~Max	°CDB			21~52		
Sound Pressure (Standard)	Cooling		dBA	59	60	61	60	61
Refrigerant		Type				R-22		
Power Supply						3~/380-415V/50Hz		
Piping connections	Liquid (OD)/Gas	mm		9.52 / 19.1	12.7 / 25.4	15.9 / 31.8	12.7 / 25.4	15.9 / 31.8
Piping Length (Maximum)		m				50		

Note: Nominal cooling capacities are based on: return air temperature 27°CDB, 19.5°CWB; outdoor: 35°CDB; equivalent refrigerant piping length 5m (horizontal)



# FRPJ-P / CRJ-PAYE

## Floor Standing Unit



FRPJ140,200,280P



CRJ140,200,280PAYE

- Ideal for use in larger areas
- Easy to install
- Easy operation and maintenance
- Electronic room thermostat
- Washable air filter

### COOLING ONLY

Indoor Units				FRPJ140PYE	FRPJ200PYE	FRPJ280PYE
Capacity	Cooling capacity	Standard	kW	13.0/14.6(1) 12.8/14.3(2)	18.9/21.0(1) 18.6/20.6(2)	26.4/29.4(1) 25.9/28.9(2)
EER	Nominal			-	-	-
Annual energy consumption			kWh	-	-	-
Energy label	Cooling			-	-	-
Dimensions	(Height x Width x Depth)		mm	1,640x950x510	1,640x1,170x510	1,640x1,470x510
Weight				170	230	270
Air Flow Rate	Cooling	High	m³/min	42	63	83
Sound Pressure	Cooling	Medium	dBA	53	55	57
Refrigerant				R-22		
Power Supply	3~/380-415/400-440V/50/60Hz					

### NON-INVERTER

Outdoor Unit			CRJ140PAYE	CRJ200PAYE	CRJ280PAYE
Dimensions	(Height x Width x Depth)	mm	1,425x820x295	1,220x1,280x690	1,440x1,280x690
Weight		kg	52	94	104
Sound Pressure (Standard)	Cooling	dBA	55/56		56/57
Refrigerant		Type	R-22		
Power Supply	3~/380-415/400-440V/50/60Hz				
Piping connections	Liquid (OD)/Gas	mm	9.52 / 15.9	12.7 / 19.1	15.9 / 22.2

Note (1) Cooling capacities are based on: indoor air temp. 27°CDB; 19.5°CWB; outdoor temp. 35°CDB

Note (2) Cooling capacities are based on: indoor air temp. 27°CDB; 19.0°CWB; outdoor temp. 35°CDB



# FRJ-P / CRJ-PAYE

## Floor Standing Unit



FRJ400,560P



CRJ200,280PAYE

- Ideal for use in larger areas
- Easy to install
- Easy operation and maintenance
- Electronic room thermostat
- Washable air filter

### COOLING ONLY

### NON-INVERTER

Indoor Units				FRJ400PYE	FRJ560PYE
Capacity	Cooling capacity	Standard	kW	37.6/42.2(1) 36.9/41.4(2)	53.3/59.4(1) 52.3/58.3(2)
EER	Nominal			-	-
Annual energy consumption				kWh	-
Energy label	Cooling			-	-
Dimensions	(Height x Width x Depth)	mm		1,870x1,470x720	1,870x1,810x720
Weight		kg		420	460
Air Flow Rate	Cooling	High	m <sup>3</sup> /min	120	165
Sound Pressure	Cooling	Medium	dBA	60	63
Refrigerant				Type	R-22
Power Supply				3~/380-415/400-440V/50/60Hz	

Outdoor Unit				CRJ200PAYE+CRJ200PAYE	CRJ280PAYE+CRJ280PAYE
Dimensions	(Height x Width x Depth)	mm		1,220x1,280x690	1,440x1,280x690
Weight		kg		94	104
Sound Pressure (Standard)	Cooling	dBA		55/56	56/57
Refrigerant				Type	R-22
Power Supply				3~/380-415/400-440V/50/60Hz	
Piping connections	Liquid (OD)/Gas	mm		12.7 / 19.1	15.9 / 22.2

Note (1) Cooling capacities are based on: indoor air temp. 27°CDB, 19.5°CWB; outdoor temp. 35°CDB  
 Note (2) Cooling capacities are based on: indoor air temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB



# FRJ-P / CRJ-PYE

## Floor Standing Unit



FRJ630,800,1120P



CRJ315,400,560PYE

- Ideal for use in larger areas
- Easy to install
- Easy operation and maintenance
- Electronic room thermostat
- Washable air filter

### COOLING ONLY

Indoor Units				FRJ630PYE	FRJ800PYE	FRJ1120PYE
Capacity	Cooling capacity	Standard	kW	59.4/66.5(1) 58.3/65.3(2)	75.9/85.0(1) 74.5/83.5(2)	107.6/119.8(1) 105.7/117.7(2)
EER	Nominal				-	
Annual energy consumption			kWh		-	
Energy Label	Cooling				-	
Dimensions	(Height x Width x Depth)	mm		1,870x1,810x720	1,850x1,760x1,050	1,850x1,960x1,200
Weight		kg		490	780	1,000
Air Flow Rate	Cooling	High	m <sup>3</sup> /min	180	240	330
Sound Pressure	Cooling	Medium	dBA	63	65	67.5
Refrigerant		Type		R-22		
Power Supply				3~/380-415/400-440V/50/60Hz		

### NON-INVERTER

Outdoor Unit			CRJ315PYE+CRJ315PYE	CRJ400PYE+CRJ400PYE	CRJ560PYE+CRJ560PYE
Dimensions	(Height x Width x Depth)	mm	1,275x980x980	1,115x1,700x980	1,275x1,960x980
Weight		kg	105	145	205
Sound Pressure (Standard)	Cooling	dBA	55/58	58/60	60/62
Refrigerant		Type	R-22		
Power Supply			3~/380-415/400-440V/50/60Hz		
Piping connections	Liquid (OD)/Gas	mm	15.9 / 22,2	19.1 / 25.4	22,2 / 31.8

Note (1) Cooling capacities are based on: indoor air temp. 27°CDB; 19.5°CWB; outdoor temp. 35°CDB

Note (2) Cooling capacities are based on: indoor air temp. 27°CDB; 19.0°CWB; outdoor temp. 35°CDB





# UAT-AMY1

## Rooftop



UAT-AMY1



- Easy to install 'plug and play' concept plus single installation configuration.
- No additional piping is required since indoor and outdoor sides are pre-connected.
- Factory pre-charged refrigerant ensures clean and efficient operation.
- Belt driven fan enables air volume and static pressure to be adjusted as required.
- Flat top unit design allows maximum utilization of warehouse and container space.
- High efficiency and reliable scroll compressor.
- Fan can be mounted for horizontal or vertical airflow inlet and discharge (UAT320AMY1 only).

### COOLING ONLY

### NON-INVERTER

Outdoor units				UAT180AMY1	UAT240AMY1	UAT280AMY1	UAT320AMY1	UAT450AMY1	UAT560AMY1	UAT700AMY1	UAT850AMY1	UATC10AMY1	UATC12AMY1
Capacity	Cooling	Minimum	kW	17.291	23.446	29.307	33.996	43.961	58.614	73.268	87.921	96.420	118.401
Power Input	Cooling	Nominal	kW	5.61	8.10	10.50	11.56	15.60	20.70	27.56	35.96	39.87	46.80
EER	Nominal			3.08	2.89	2.79	2.94	2.82	2.83	2.66	2.44	2.42	2.53
Air Flow Rate Evaporator	Cooling		m³/min	51	80	100	102	160	190	227	272	312	354
External Static Pressure			Pa	98	98	98	98	196	196	294	294	294	294
Condensation Drain Size		Diameter (OD)	mm	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
Casing	Colour			Light Grey									
	Material			Electro galvanised mild steel									
Dimensions	Unit	HxWxD	mm	1000x1100x1530	1000x1300x1530	1000x1300x1530	1000x1300x1530	1200x1990x1670	1200x1990x1670	1735x2250x2800	1735x2250x2800	1974x2252x3180	1974x2252x3180
Weight	Unit		kg	295	370	400	425	665	765	1200	1350	1510	1600
Air Flow Rate Condensor	Cooling		m³/min	127	160	160	227	320	320	566	566	566	566
Operation Range	Cooling	Min	°CDB	20°C~54°C									
Sound Level		Sound power	dBA	63	65	66	68	70	70	74	74	80	80
Refrigerant	Type			R22									
Power Supply				3~/50Hz/380-415V									

## POWER *Supply*

T1 = 3~, 220V, 50HZ

V1 = 1~, 220-240V, 50HZ

VE = 1~, 220-240V, 50HZ/60HZ

V3 = 1~, 230V, 50HZ

VM = 1~, 220~240V/220~230V, 50HZ/60HZ

W1 = 3N~, 400V, 50HZ

Y1 = 3~, 400V, 50HZ

## MEASURING *Conditions*

### COOLING ONLY

1) nominal cooling capacities are based on:

indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m
level difference	0m

### HEAT PUMP

1) nominal cooling capacities are based on:

indoor temperature	27°CDB/19°CWB
outdoor temperature	35°CDB
refrigerant piping length	7.5m
level difference	0m

2) nominal heating capacities are based on:

indoor temperature	20°CDB
outdoor temperature	7°CDB/6°CWB
refrigerant piping length	7.5m
level difference	0m

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks).

The sound power level is an absolute value indicating the "power" which a sound source generates.

For more detailed information please consult our technical databooks.

## 'We Care' Icons

A number of 'We Care' icons are highlighted in green throughout the catalogue to indicate product features that have an impact on reducing energy consumption:



### Night set mode

Saves energy, by preventing overcooling or overheating during night time.



### Fan only

The air conditioner can be used as fan, blowing air without cooling or heating.



### Econo mode

This function decreases the power consumption so that other appliances that need large power consumption can be used. This function is also energy saving.



### Energy efficiency

Daikin air conditioners are energy efficient and economical.



### Movement sensor

The sensor detects whether someone is in the room. When the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.



### Home leave operation

During absence, the indoor temperature can be maintained at a certain level.



### Vertical auto swing

Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.



### 24 Hour timer

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



### Horizontal auto swing

Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.



### Infrared remote control

Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.



### Draught prevention

When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.



### Ceiling soiling prevention

A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.



### Auto-restart

The unit restarts automatically at the original settings after power failure.



### Self-diagnosis

Simplifies maintenance by indicating system faults or operating anomalies.



### Auto cooling-heating changeover

Automatically selects cooling or heating mode to achieve the set temperature (heat pump types only).



### Scroll compressor

Silent, reliable Daikin compressor used in medium sized outdoor units.



### Dry programme

Allows humidity levels to be reduced without variations in room temperature.



### Single screw compressor

Compact, high efficient, silent reliable Daikin compressor.  
Maintenance free (inspection only after 40,000 hours of operation)



### Auto fan speed

Automatically selects the necessary fan speed to reach or maintain the set temperature.



### Wired remote control

Wired remote control to start, stop and regulate the air conditioner from a distance.

**Fan speed steps**

Allows to select up to the given number of fan speed.

**Powerful mode**

If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the 'powerful mode'. After the powerful mode is turned off, the unit returns to the preset mode.

**Whisper quiet**

Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood.

**Centralised control**

Centralised control to start, stop and regulate several air conditioners from one central point.

**Double thermostat function**

Controls the temperature via a sensor on the air conditioner or via a sensor on the remote control.

**Comfortable sleeping mode**

Increased comfort function that follows a specific temperature fluctuation rhythm.

**Air filter**

Removes airborne dust particles to ensure a steady supply of clean air.

**Timer**

Allows to preset the air conditioner to start/stop at a specified time.

**Air purification filter**

Removes airborne dust particles and prevents the propagation of bacteria and viruses to ensure a steady supply of clean air.

**Outdoor unit silent operation**

Lowers the operation sound of the outdoor unit by 3dB(A) to ensure a quiet environment for the neighbourhood.

**Photocatalytic deodorising filter**

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

**Indoor unit silent operation**

Lowers the operation sound of the indoor unit by 3dB(A). This function is useful when studying or sleeping.

**Drain pump kit**

Facilitates condensation draining from the indoor unit.

**Night quiet mode (cooling only)**

Lowers the operation sound of the outdoor unit automatically by 3dB(A) by removing a jumper wire on the outdoor unit. This function can be deactivated if the jumper wire is reinstalled on the outdoor unit.

**Twin/triple/double twin application**

2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. All indoor units operate within the same mode (cooling or heating) from one remote control.

**Comfort mode**

The new flap changes the discharge angle horizontally for cooling operation and downward vertically for heating operation. This in order to prevent cold or warm air from blowing directly on the body.

**Multi model application**

Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

**3-D Air flow**

This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.

**Super multi plus**

Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.