

WALL MOUNTED TYPE FAY

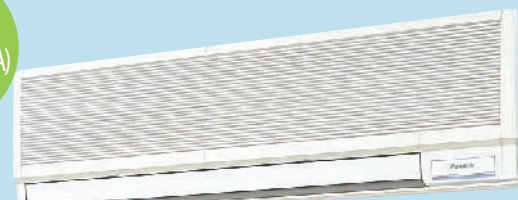
Cooling only **FAY71LVE / FAY100FAVE**
Heat pump **FAY71LVE / FAY100FAVE**

Sound level
43/37 dB(A)
High Low
FAY71L



FAY71LVE

Sound level
45/41 dB(A)
High Low
FAY100FA



FAY100FAVE

Accessory required for indoor unit (option)

Wired LCD remote controller



BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller

A signal receiver must be added to the indoor unit.

Signal receiver unit (Installed type)

Cooling only
BRC7E619

Heat pump
BRC7EA618



FAY71L

Cooling only
BRC7C611W

Heat pump
BRC7C610W



FAY100F

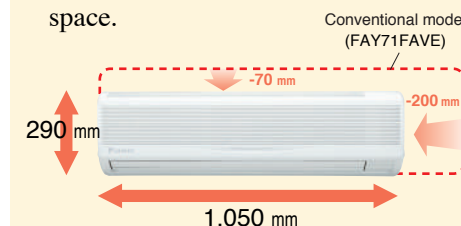
Wireless remote controller and signal receiver unit are sold as a set.



Below features only apply to FAY71L.

Drastic size reduction

Reduced size (by 22% in volume, 32% in installation area) makes installation possible in a very limited space.



Sophisticated extension design

Compact and stylish design that does not detract from the decor of the room.

Flap is closed when not operating

Easier to install and service

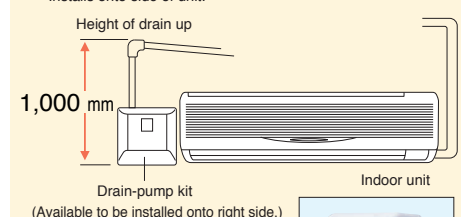
Light weight

Reduced weight by 8kg greatly facilitates installation.

Conventional (FAY71FAVE)	New model (FAY71LVE)
21 Kg	13 Kg

Drain pump kit is available as option.

Installs onto side of unit.



Drain enclosure can be used on either left and right side.

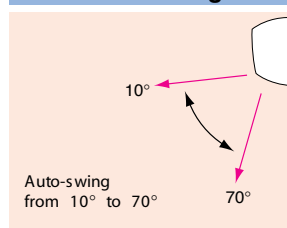
Drain pan and air filter can be kept clean by mould-proof polystyrene

Removable and washable grille

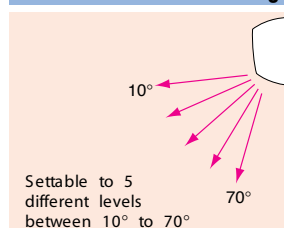
DIII-NET connection is standard specification. Adapter is not required.

Improved airflow modes realise comfortable air distribution across the entire room

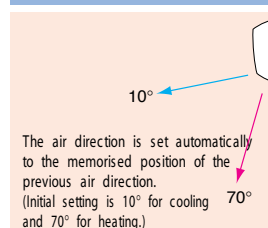
Auto-swing



5-level air direction setting

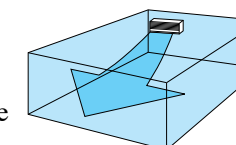


Auto-air direction control



Comfort even on the far side of the room

To carry air to the far side of long rooms, extra-high airflow adds 10% more fan speed the "high" setting. Air discharge strength is selected from the remote controller.



Two selectable temperature-sensors

Both indoor unit and wired remote controller (option) contain temperature-sensors. Temperature sensing can be set at the unit or, to further improve comfort level, closer to the target area at the wired remote control.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.

**Wireless remote controller does not have a

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Switchable fan speed: High/Low

Easier to install and service

Maintenance possible from the front of the unit

All maintenance tasks can be carried out via front access. During service work, attachment and detachment of parts is easier.

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.



Features (Features are explained on P. 37-38.)

Feature \ Model	Comfort										Mould prevention		Work & Servicing					Control features					Other				
	Auto swing	Draft prevention function	Switchable fan speed	Programme "Dry"	High fan speed mode	Two selectable temperature-sensors	Upward	Hot start	Year-round cooling applicable	Timer selector	Mould resistant treatment for filter	Mould-proofing drain pan	Drain pump mechanism	Pre-charged for up to 30 m	Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	Interlock control	PE fin	
Cooling only	●	—	●	●	●	*1	●	—	*2	●	●	●	●	*4	●	*4	●	●	●	●	—	●	●	●	●	●	●
Heat pump	●	●	●	●	●	*1	●	●	*3	●	●	●	●	*4	●	*4	●	●	●	●	●	●	●	●	●	●	●

*1 Applicable when wired remote controller is used

*2 Applicable to R71LU/R100LU outdoor units (for temp. down to -15°C) (An option is required.)

*3 Applicable to RY71LU/R100LU outdoor units (for temp. down to -5°C)

**Applicable to R(Y)71LU/100LU outdoor units

Guide	Line up P. 3-4, 7-8	Outdoor units P. 33-34	Remote controllers P. 35-36	Standard specifications P. 41, 51	Options P. 58	Outer dimension drawings P. 62, 63
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FLOOR STANDING TYPE FVY

Cooling only FVY71LAVE-125LAVE
Heat pump FVY71LAVE-125LAVE

The floor-standing configuration means the FVY is easy to install and maintain. It can also be installed under high ceilings.

Sound level

41/35dB(A)

High Low

FVY71LA

LCD control panel is standard



Note: This remote controller has a temperature-sensor.



Quiet operation

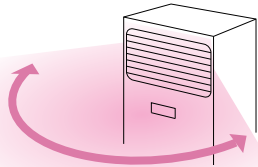
Indoor unit	dB(A)	
	High	Low
71LA	41	35
100LA	46	40
125LA	49	43

Note : Anechoic chamber conversion value, measured according to JIS parameters and

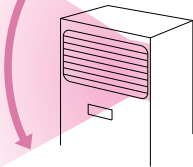
Auto-swing delivers comfort to every corner of the room

FVY units have swinging louver spreads comfortable airflow. Any uncomfortable sensation of sudden change is avoided by a slow cycle of 2 to 3 full swings per minute.

Auto-swing



Manual setting of vertical airflow louvers



Vertical airflow adjustment is possible when (changing between cooling and heating or) to match interior spaces and partitions.

A good choice for spaces with ceilings so high that heating by ceiling-mounted units is inefficient.

Note: For optimal installation, space factors should be accurately calculated.

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Switchable fan speed: High/Low

Easy-to-operate, handy LCD control panel

The LCD displays text, numbers and graphics to indicate the temperature setting, timer setting, auto-swing, fan speed, and more. Furthermore, the LCD panel can be detached and used as a remote controller, so air conditioning can be controlled from another room or from the cash register.

(Remote controller cable not included. Cables must be procured locally.)

Two selectable temperature-sensors

Temperature-sensors on both indoor unit and wired remote controller. Temperature sensing can be set closer to the target area to further improve comfort level.

*Temperature-sensor on indoor unit must be used when the air conditioner is controlled from another room.

**Wireless remote controller does not have a temperature-sensor.

FLOOR STANDING TYPE

Easier to install and service

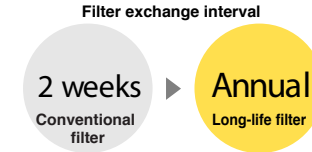
Lightweight

The unit can be easily transported and installed.

Indoor unit	Weight	
	Conventional FVY-F	New model
71 class	45 kg	39 kg
100 class	63 kg	46 kg
125 class	67 kg	47 kg

Long-life filter lasts about 1 year *
Maintenance not required

*For dust concentration of 0.15 mg/m³



Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.

Features (Features are explained on P. 37-38.)

Feature	Comfort						Mould prevention	Work & Servicing					Control features					Others
	Auto swing	Switchable fan speed	Programme "Dry"	Hot start	Two selectable temperature-sensors	Year-round cooling applicable		Filter sign	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Auto-cooling/heating change-over	Control by 2 remote controllers	Control by 1 remote controller	External command control	Central remote control	
Cooling only	●	●	●	—	●	*1	●	●	●	●	●	●	—	●	●	●	●	●
Heat pump	●	●	●	●	●	*2	●	●	●	●	●	●	●	●	●	●	●	●

*1Applicable to R71LU-R125LU outdoor units (for temp. down to -15°C). (An option is required.)

*2Applicable to RY71LU-RY125LU outdoor units (for temp. down to -5°C)

**Applicable to R(Y)71LU-125LU outdoor units

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

FDMG/FDYM

Cooling only FDMG71AV1-180AV1
FDYM03FAV1-06FAV1
Heat pump FDIYM03FAV1-06FAV1

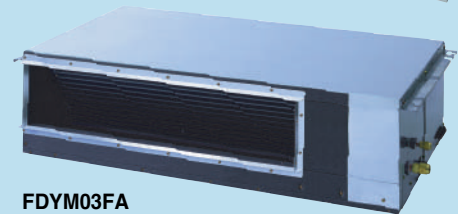
Unit can be mounted in the ceiling and air can be delivered freely by duct.



Sound level
39dB(A)
High
FDYM03FA
(220V)



FDMG100A



FDIYM03FA

Accessory required for indoor unit (option)

For FDIYM

Wired LCD remote controller



BRC1C61

Note: Remote controller cable not included. Cables must be procured locally.

Wireless LCD remote controller



Cooling only
BRC4C64
Heat pump
BRC4C62



Signal receiver unit
(Separate type)
Wireless remote controller and signal receiver unit are sold as a set.

For FDMG

Digital remote controller



KRC47-2A
KRC47-4A

Remote controller



KRC47-1A

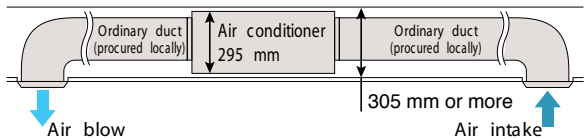
Freedom of layout

The duct system allows the efficient location of discharge outlets in accordance with the room layout

Middle static pressure type is available in a larger than standard space

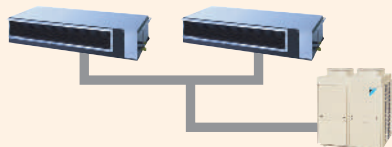
Duct connection is simpler with standard rear intake chambers

Compact, 295 mm high design makes installation possible where the ceiling space is limited (For FDIYM)

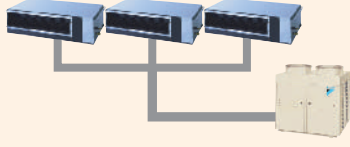


Supports simultaneous running of the twin and triple multi operations.

Twin Multi Operation



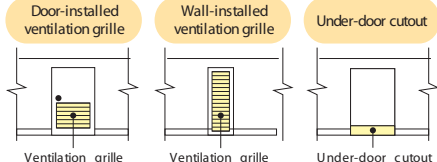
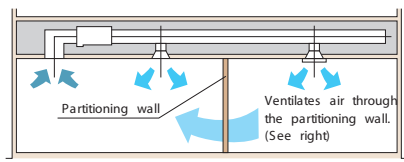
Triple Multi Operation



See pages 31-32 for details of the Multi Series.

Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicated ventilation grilles should be installed on the partitioning wall or under the door between the rooms.



Note: The under-door cutout method should be used only when there is a small volume of airflow.

Features (Features are explained on P. 37-38.)

Feature \ Model		Comfort						Work & Servicing				Control features						Others		
		Switchable fan speed	Programme "Dry"		Hot start	Automatic cool/heat change-over	Year-round cooling applicable	Timer selector	Pre-charged for up to 30 m	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Twin and triple multi operation	PE fin
Cooling only	FDMG	●	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	—
	FDYM	●	●	—	—	*1	—	*3	*3	—	●	●	—	—	—	—	—	—	●	—
Heat pump		●	●	●	●	*2	●	*3	*3	●	●	●	●	●	●	●	●	●	●	●

*1Applicable to R71LU-R140LU outdoor units (for temp. down to -15°C) (An option is required.)

*2Applicable to RY71LU-RY140LU outdoor units (for temp. down to -5°C) and RY200LU-RY250LU outdoor units (for temp. down to -0°C)

*3Applicable to R(Y)71LU-140LU outdoor units

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

Quiet operation

Indoor unit	dB(A) (220V)	
	High	LOW
FDMG71A	42	38
FDMG100A	44	36
FDMG125A	45	37
FDMG140A	46	36
FDMG180A	47	37
FDYM03FA	39	
FDYM04FA	39	
FDYM05FA	44	
FDYM06FA	46	

Note : Anechoic chamber conversion value, measured according to JIS parameters and

Switchable fan speed: High/Low

Programme "Dry"

Dehumidification is microprocessor controlled to prevent abrupt and uncomfortable changes in air temperature.

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure.

DUCT CONNECTION
LOW STATIC PRESSURE TYPE
FDBG/FDYB

Cooling only FDBG25AVE-71AVE
Heat pump FDYB35KAVE-71KAVE



- Ideal for quiet, beautiful living spaces
- Suitable for condominiums and apartments, houses and hotels

Quiet operation

Indoor unit	dB(A)	
	High	Low
FDBG60AVE	42	39

Note : Anechoic chamber conversion value, measured according to JIS parameters and criteria.

Durable

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.

Sound level

38_{dB(A)}

LOW

FDYB50KA

(220V)

FDYB50KA

Accessory required for indoor unit (option)

Cooling only

Digital remote controller

KRC47-2A
KRC47-4A

Remote controller

KRC47-1A

Heat pump

Wired LCD remote controller

BRC1C61

Wireless LCD remote controller

BRC4C62

Signal receiver unit (Separate type)

Wireless remote controller and signal receiver unit are sold as a set.

Note: Remote controller cable not included. Cables must be procured locally.

DUCT CONNECTION
HIGH STATIC PRESSURE TYPE
FD(Y)

Cooling only FD03KY1-20KY1
Heat pump FDY06KAY1-20KAY1



- Recommended for spacious and large-volume areas because of its flexible installation
- Suitable for large stores, factories, and other large areas, and for use with housing ducts in homes

Quiet operation

Durable

Highly durable outdoor unit has PE fins for improved resistance to salt corrosion and atmospheric pollution.

Central control

Many options are available for use with large-scale and advanced-function centrally controlled systems

Features (Features are explained on P. 37-38.)

Feature Model	Comfort						Work & Servicing				Control features					Others			
	Switchable fan speed	Programme "Dry"	Hot start	Automatic cool/heat change-over	Year-round cooling applicable	Timer selector	Pre-charged for up to 30 m	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	Triple and double twin multi operation	PE fin	Adjustable external static pressure
Cooling only	●	—	—	—	—	—	—	—	—	—	●	—	—	—	—	—	—	—	●
Heat pump	●	●	●	●	*1	●	*2	*2	●	●	●	●	●	●	●	●	●	●	●

*1Applicable to RY71LU outdoor units (for temp. down to -5°C) and RY200LU-RY250LU outdoor units (for temp. down to -0°C)
 *2Applicable to RY71LU outdoor units

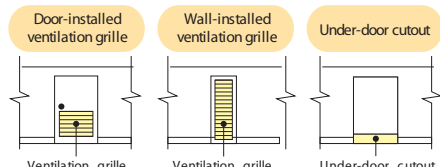
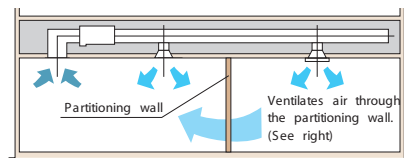
Features (Features are explained on P. 37-38.)

Feature Model	Comfort				Work & Servicing				Control features					Others		
	Hot start	Automatic cool/heat change-over	Year-round cooling applicable	Timer selector	Pre-charged for up to 30 m	Low gas pressure detection	Emergency operation	Self-diagnosis function	Auto-restart	Control by 2 remote controllers	Group control by 1 remote controller	External command control	Central remote control	Interlock control	PE fin	Adjustable external static pressure
Cooling only	—	—	—	—	—	—	—	—	●	—	—	—	●	—	●	*3
Heat pump	●	*4	*1	●	*2	*2	●	●	●	●	*4	●	●	●	●	*3

*1Applicable to RY140LU outdoor units (for temp. down to -5°C) and RY200LU-RY250LU outdoor units (for temp. down to -0°C)
 *2Applicable to R(Y)140LU outdoor units
 *3Required to change the pulley
 *4FDY06-10 only

Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

When air conditioning two rooms simultaneously, the air discharged into each room must be circulated back to the air conditioner. To achieve this, a ventilation duct should be installed for each room or one of the indicate ventilation grilles should be installed on the partitioning wall or under the door between the rooms.



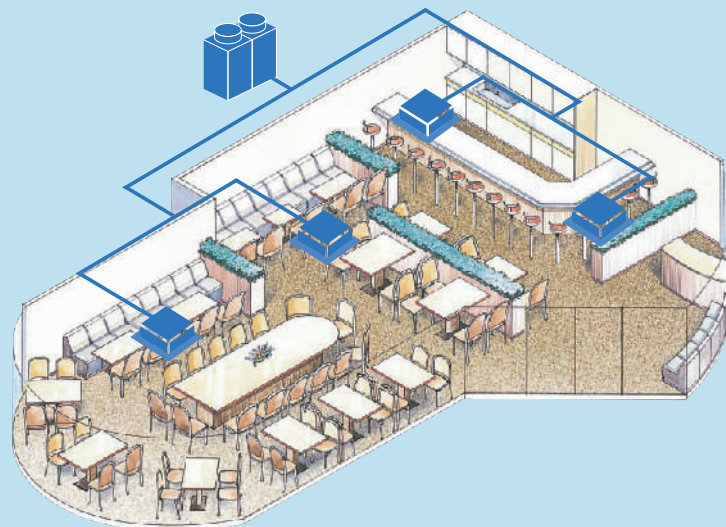
Note: The under-door cutout method should be used only when there is a small volume of airflow.

Simultaneous operation system
MULTI SERIES

Twin, Triple, and Double Twin Multi-Operation

Simultaneously operates 2 to 4 indoor units using a single outdoor unit.

In large interior spaces a single indoor unit may not be able to provide uniform comfort. Installation of 2 to 4 units, can provide an effective solution.



In a single-floor restaurant, for example, positioning 4 units at strategic locations realises comfortable airflow that reaches every inch of the room.

Note: This type of system does not allow individual control or independent operation of indoor units. It is not the best choice for large rooms with partitions.

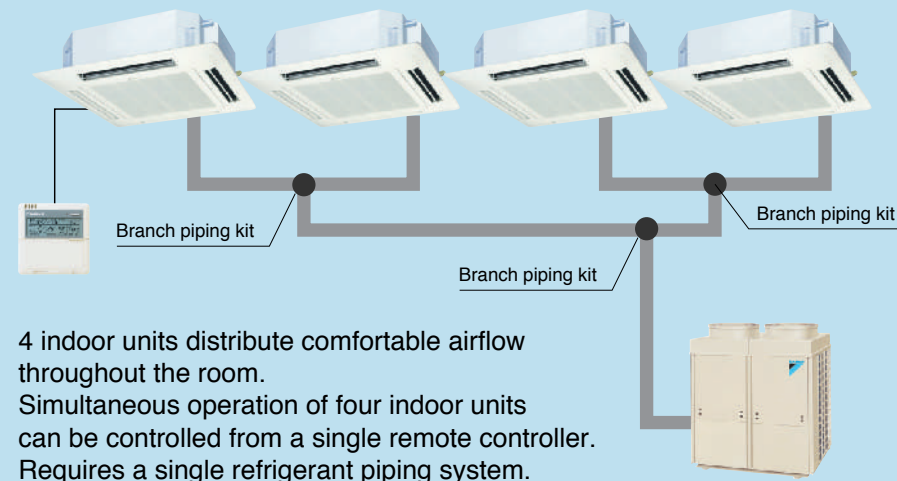
Installing multiple units is economical and realises comfort

- Lower cost of installation than for individual pair type
- Reduced installation space for outdoor units
- Enhanced comfort from distributed indoor units

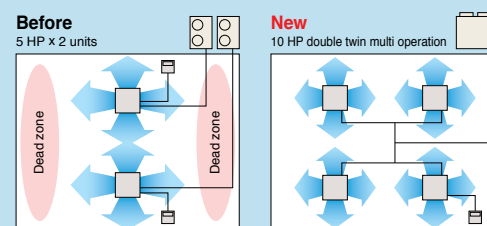
Indoor units include ceiling mounted cassette type, ceiling suspended type, and duct connection middle and low static pressure type.

Double Twin Multi operation

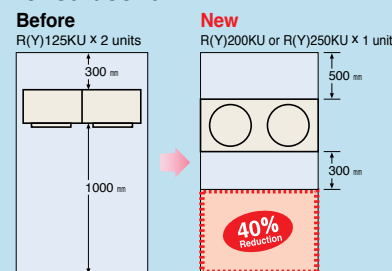
4 indoor units can be run simultaneously with a single outdoor unit.



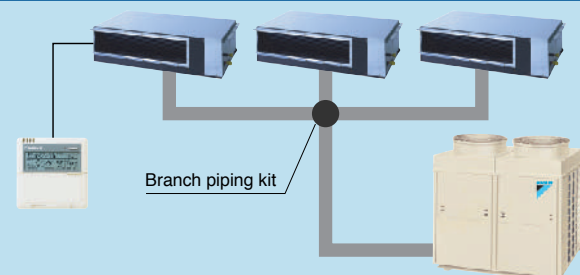
Improved comfort level and space-saving for outdoor unit installation



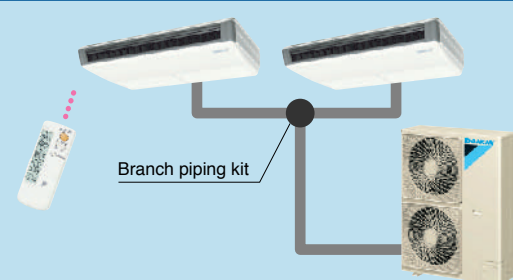
Required about 40% less installation space for outdoor unit



Triple Multi operation



Twin Multi operation



Remote controllers for the Multi Series

INDOOR UNIT	Wired LCD remote controller (Option)	Wireless LCD remote controller (Option)
CEILING MOUNTED CASSETTE TYPE	BRC1C61	Cooling only BRC7C613W Heat pump BRC7C612W
CEILING SUSPENDED TYPE		Cooling only BRC7EA66 Heat pump BRC7E63W
DUCT CONNECTION LOW STATIC PRESSURE TYPE		Heat pump BRC4C62
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE		Cooling only BRC4C64 Heat pump BRC4C62
A single remote controller controls simultaneous operation of multiple indoor units.	Connect the wired remote controller to turn an indoor unit into the master unit.	Install the signal receiver unit (part of the optional wireless remote controller) to turn an indoor unit into the master unit.
Supports Two selectable temperature-sensor functions. <small>Note: Selectable temperature sensing is available with ceiling-mounted cassette and ceiling-suspended models, but not with middle static-pressure models.</small>	Wired remote controller has a temperature-sensor. Depending on the installation conditions, select and set the temperature-sensor of a selected indoor unit or the temperature-sensor of the remote controller. <small>Note: An indoor unit's temperature-sensor must be used when the air conditioners are controlled from another room.</small>	Because the wireless remote controller does not have a temperature-sensor, select the temperature-sensor of the indoor master unit.

Piping Guideline

	Twin Multi Operation	Triple Multi Operation	Double Twin Multi Operation
Simultaneous operation system			
Max. piping length	$L + \text{Max. } (L_1, L_2) \leq 50 \text{ m}$	$L + \text{Max. } (L_1, L_2, L_3) \leq 50 \text{ m}$	$L + \text{Max. } (L_1, L_2) + \text{Max. } (L_3, L_4, L_5, L_6) \leq 50 \text{ m}$
Max. branch piping length	$\text{Max. } (L_1, L_2)^{*1} \leq 20 \text{ m}$	$\text{Max. } (L_1, L_2, L_3) \leq 20 \text{ m}$	$\text{Max. } (L_1, L_2) + \text{Max. } (L_3, L_4, L_5, L_6) \leq 20 \text{ m}$
Max. branch pipe length difference	$\text{Max. } (L_1, L_2) - \text{Min. } (L_1, L_2)^{*2} \leq 10 \text{ m}$	$\text{Max. } (L_1, L_2, L_3) - \text{Min. } (L_1, L_2, L_3) \leq 10 \text{ m}$	$(L_2, L_6) - (L_1, L_3) \leq 10 \text{ m}$ $L_2 - L_1 \leq 10 \text{ m}$ $L_4 - L_3 \leq 10 \text{ m}$ $L_6 - L_5 \leq 10 \text{ m}$ In case of $L_1 \leq L_2, L_3 \leq L_4, L_5 \leq L_6$
Max. level difference between outdoor unit and indoor units	$\leq 30 \text{ m}$	$\leq 30 \text{ m}$	$\leq 30 \text{ m}$
Max. level difference between indoor units	$\leq 0.5 \text{ m}$	$\leq 0.5 \text{ m}$	$\leq 0.5 \text{ m}$

*1 Max. (L₁, L₂) means maximum length out of L₁ and L₂.

*2 Min. (L₁, L₂) means minimum length out of L₁ and L₂.

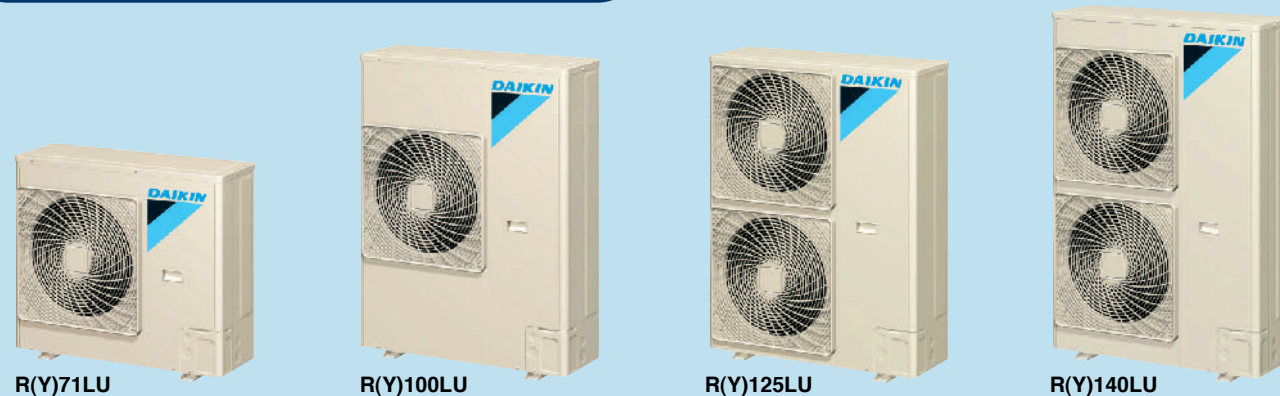
Refrigerant piping uses terminal branching to facilitate installation.

(Branch piping kits are sold separately. Please use the model indicated on page 59)



OUTDOOR UNIT

Compact unit provides quiet operation.



Quiet Operation

Fitted with wide inlet fan
(Applies to R(Y)71LU–140LU)

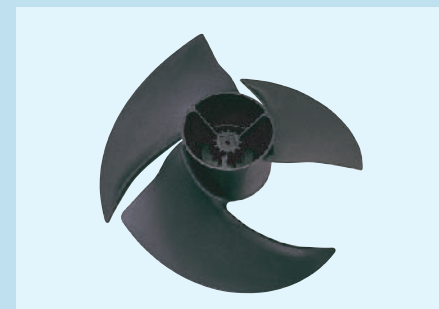
Fully shaped aerodynamic propellers are designed to push air with a large wing surface, providing both high blow volume and quiet operation with turbulence.

Fitted with Super Aero Grille
(Applies to R(Y)71LU–140LU)

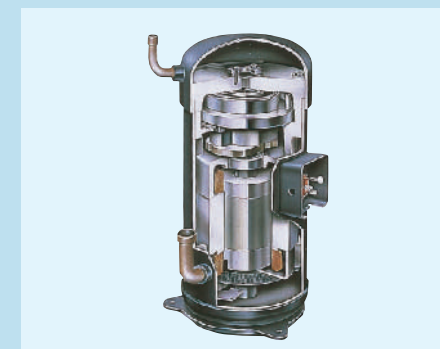
To suppress turbulence and achieve quiet operation, the curved ribs of the grille are optimised to meet the outflow of air.

Equipped with scroll compressor for quiet operation
(Applies to R(Y)125LU and 140LU)

Smooth running, minimal vibration, low operating sound.



Wide inlet fan
(Applies to R(Y)71LU–140LU)



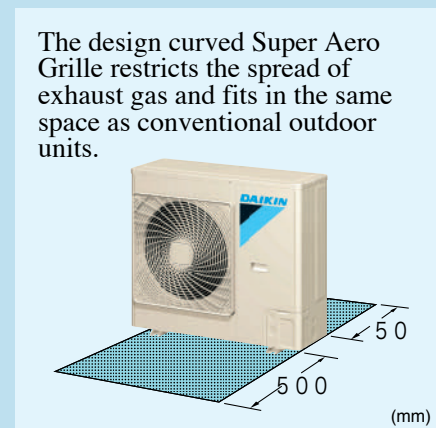
Compact

Slim and low-profile design outdoor units
(Applies to R(Y)71LU–140LU)

Compactly designed outdoor unit with interior layout optimised for the smooth airflow.

Reduced weight
(Applies to R(Y)71LU–125LU)

The light weight makes delivery and installation easier.



The design curved Super Aero Grille restricts the spread of exhaust gas and fits in the same space as conventional outdoor units.



Powerful

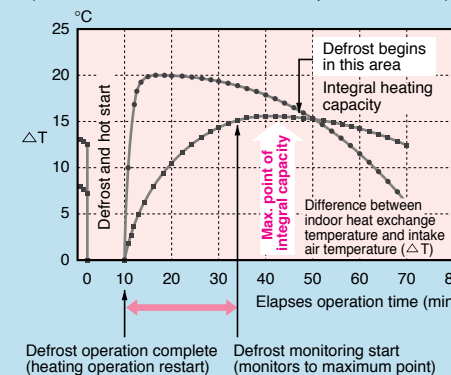
Uses "Receiver" to enhance refrigerant control
(Applies to R(Y)71LU–140LU)

Instead of the using an accumulator to absorb excess refrigerant, Daikin outdoor units have a receiver in the piping located away from the compressor. By preventing the return of liquid to the compressor, the receiver enhances reliability.

Defrost control delivers powerful heating in extremely cold climates
(Applies to RY71LU–140LU) (Heat pump only)

To optimise heating performance, by monitoring the difference in air temperature in the indoor/outdoor heat exchanger and the intake air temperature, the system accurately adjusts to provide the best operating parameters. This enables defrost mode to be initiated and so minimise indoor declines in temperature caused by frost. For example, if the outdoor airtemperature falls to -1.5°C , the integrated heating capacity is raised about 20%.

Integral heating capacity and temperature difference (actual measurement when outdoor temperature is -1.5°C)



Suited for year-round cooling applications

Cooling is efficient even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

- Heat pump/R(Y)71–140LU: possible up to -5°C
- Cooling only/R(Y)71–140LU: possible up to -15°C
- The year-round cooling kit is required as option.

Durability

Heat exchange fins provided with anti-corrosion treatment (Applies to all outdoor units)

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.

Installation and maintenance

Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

(Applies to R(Y)71LU–140LU)

■ Allowed refrigerant pipe length and level difference			
	Pre charged *1	Max. length	Max. level difference
R25J	10 m	25 m	15 m
RY35F	10 m	20 m	15 m
R35J	10 m	25 m	15 m
RY50GA R50G	10 m	30 m	15 m
RY60GA R60G	5 m	30 m	15 m
RY71LU R71LU	30 m	50 m (Equivalent length 70 m)	30 m
RY100LU R100LU	30 m	50 m (Equivalent length 70 m)	30 m
RY125LU R125LU	30 m	50 m (Equivalent length 70 m)	30 m
RY140LU R140LU	30 m	50 m (Equivalent length 70 m)	30 m
RG71A RA140A RG180A	5 m	50 m (Equivalent length 70 m)	30 m
R100FU R125FU	5 m	50 m (Equivalent length 70 m)	30 m

Note: *1 Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

4-direction piping offers greater layout freedom

(Applies to R(Y)71LU–140LU)

Piping can be run from the front, bottom, right or rear surface according to how the unit is installed.

Facilitates pump down (Refrigerant recovery function)

A pump-down switch is provided to make it easier to collect refrigerant if the unit is to be moved or layout modified.

Low gas level detection function

(Applies to R(Y)71LU–140LU)

Effective gas monitoring reduces the labor required for operation, maintenance, and repairs.

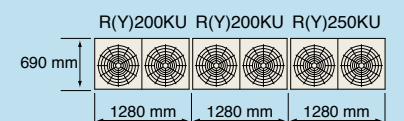
Flexible design for large room or multi-use



● Piping can be drawn out from three directions - front, left side, or below.

200 and 250 class models can be combined for centralised, horizontal-series installation

Common width and depth make series installation easy.



■ Allowed refrigerant pipe length and level difference			
	Pre charged *1	Max. length	Max. level difference
R(Y)200KU	5 m	50 m (Equivalent length 70 m)	30 m
R(Y)250KU	5 m	50 m (Equivalent length 70 m)	30 m

Note: *1 Additional refrigerant charging is required if the refrigerant pipe is longer than the length.

Also adapts to year-round cooling

RY200KU and 250KU can adapt up to 0°C . (Heat pump only)

RU08/10K models are available in two type depending on installation conditions

RU08/10KU models are factory shipped with refrigerant charged for 5 m of piping.

RU08/10K models are factory shipped with no refrigerant charged.

LCD REMOTE CONTROLLERS

Necessary optional accessory

Easy-to-read LCD remote controller allows various system control configurations and can control multiple indoor units.

• Remote controller options are shown on the page introducing each indoor unit model.

Wired LCD remote controller

Easier to read because LCD screen is larger.



BRC1C61

- For easier operation, louver switches, which are frequently used, have been made larger.
- Oil-resistant plastic casing.
- Only 17 mm thick. Can be installed either recessed or exposed.

Indoor units applicable for the remote controller

CEILING MOUNTED CASSETTE TYPE CEILING SUSPENDED TYPE CEILING SUSPENDED CASSETTE TYPE CEILING MOUNTED CASSETTE CORNER TYPE WALL MOUNTED TYPE CEILING MOUNTED BUILT-IN TYPE*1 DUCT CONNECTION LOW STATIC PRESSURE TYPE *2 DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE DUCT CONNECTION HIGH STATIC PRESSURE TYPE *2	BRC1C61
--	---------

*1. When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the wind direction adjustment button is pressed.

*2. Applicable to only heat pump type.

Wired LCD remote controller with weekly schedule timer

Remote control is equipped with weekly timer function.



BRC1D61

- 24-hour clock function (1-hour backup for power failures)
- Programming function for each day of week.
- Scheduling possible of start/stop and temperature limit (5 settings/day)
- Programming can be enabled or disabled.
- Copy function for programmed schedules.

Indoor units applicable for the remote controller

CEILING MOUNTED CASSETTE TYPE CEILING SUSPENDED TYPE CEILING SUSPENDED CASSETTE TYPE CEILING MOUNTED CASSETTE CORNER TYPE WALL MOUNTED TYPE CEILING MOUNTED BUILT-IN TYPE*1 DUCT CONNECTION LOW STATIC PRESSURE TYPE *2 DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE DUCT CONNECTION HIGH STATIC PRESSURE TYPE *2	BRC1D61
--	---------

*1. When the auto-swing function is not available, the message, THIS FUNCTION IS NOT AVAILABLE is displayed when the wind direction adjustment button is pressed.

*2. Applicable to only heat pump type.

• Standard remote controller (BRC1C61) is not required.
• If the BRC1D61 is connected to the centralised remote controller, the schedule function is not available.

Wireless LCD remote controller

signal receiver mounted type

- The wireless remote controller is supplied in a set with a signal receiver.
- Shape of signal receiver unit differs according to the indoor unit.

Note: The signal receiver unit shown in the photograph is for mounting inside the decoration panel of the ceiling mounted cassette type.

Indoor units applicable for the remote controller

Signal receiver unit is contained inside decoration panel or indoor unit		
	Heat pump	Cooling only
CEILING MOUNTED CASSETTE TYPE	BRC7C612W	BRC7C613W
CEILING SUSPENDED TYPE	BRC7E63W	BRC7EA66
CEILING SUSPENDED CASSETTE TYPE	BRC7C528W	BRC7C529W
WALL MOUNTED TYPE	FAY71L FAY100FA	BRC7EA618 BRC7C610W BRC7C611W
DUCT CONNECTION LOW STATIC PRESSURE TYPE	BRC4C62	—
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE	BRC4C62	BRC4C64
DUCT CONNECTION HIGH STATIC PRESSURE TYPE	BRC4C62	—

Wired remote controller has built-in

temperature-sensor (Applies to wired remote controllers)

- Enables temperature sensing closer to target area for improved comfort. (When using remote control from another room, temperature-sensor in indoor unit's air inlet must be selected.)

Note: The indoor unit's temperature-sensor is specified at the time of shipment. Temperature sensing with the wired remote controller is not available with the ceiling mounted cassette corner, ceiling-mounted built-in, and duct connection type.

Non-polar, double-core connection specifications simplify wiring

- Non-polar, double-core remote controller wire prevents wiring mistakes. signal receiver unit (or decoration panel) of wireless type is also easy to connect.

Facilitates maintenance and repair

- All initial settings can be set from the remote controller. After interior construction is complete, ceiling mounted units can be remotely set without having to use stepladder access for manual setting.

Setting contents: High ceiling use, air direction, filter type, address for centralised control (group control address is set automatically).

- Remote controller is equipped with model name and failure display functions. This facilitates service in the unlikely event of a malfunction.

SkyAir shares common control with HRV (heat reclaim ventilation) and the other Daikin air-conditioning units, thus simplifying interlocking operations.

- Easily adaptable to large-scale, high-function, centralised remote control systems. Installing and connecting control wiring between SkyAir and other Daikin air-conditioning equipment is easy.

- Optional adaptor for external commands or remote control of external equipment has been standardised to one type.

LCD panel shows operating status in letters, numbers, and motion.

Airflow / swing display	Displays auto-swing operating status and setting position of air discharge angle. (Not available for ceiling mounted built-in type and duct connection type)
Preset temperature / operation mode display	Displays preset room temperature and operating status (fan, dry, cool).
Programming time display	Operation start and stop time can be set for individual timers up to 72 hours. The liquid crystal display also shows when it is time to clean the filter, when changeover is under centralised control, and ventilation/cleaning.
Self-diagnosis function	Monitors operating status within the system covering 40 items, and displays a message to indicate as soon as a malfunction occurs.

Simple system provides a diverse assortment of control modes.

	Control pattern	Wired remote controller	Wireless remote controller
Control by 1 remote controller	(Basic system)	 • Non-polar, double-core (max. wiring length 500 m)	 • Signal receiver unit installed on indoor unit
Control by 2 remote controllers	For control from 2 locations such as in room and control room, exits, etc.	 • Connects 2 wired remote controllers	 • Control by 1 wireless remote controller and 1 wired remote controller (See note 1) • Signal receiver unit installed on indoor unit
Group control	For simultaneous control of up to 16 indoor units.	 • Automatic address setting function	 • Automatic address setting function • Signal receiver unit installed on 1 indoor unit
Control by external command	Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.	 (Command from outside) • Optional wiring adaptor for electrical appendices is necessary	 (Command from outside) • Optional wiring adaptor for electrical appendices is necessary
Centralised remote control	Centralised control of up to 64 indoor groups from remote location up to 1 kilometer away.	 Central remote controller (option) • Optional SkyAir series interface adaptor required. *1	 Central remote controller (option) • Optional SkyAir series interface adaptor required. *1
Interlock control with HRV	Link by remote controller group control.	 • Can be operated simultaneously or independently by remote controller (set by ventilation mode)	 • Can be operated simultaneously by remote controller (set by ventilation mode)
	Zone link control by centralised control.	 Central remote controller (option) • HRV for indoor units within a zone are operated by interlocking • Can also be operated independently by remote controller. • Optional interface adaptor for SkyAir series is necessary *1	 Central remote controller (option) • HRV for indoor units within a zone are operated by interlocking • Optional interface adaptor for SkyAir series is necessary *1

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.
*1. DIII-net adaptor function is standard equipment for the FAY71L.

Easily adaptable to large-scale, high-function, centralised remote control system.

Central remote controller

DCS302CA61 (Option)



Centralised control, with setting as simple as it is with a standard remote controller, of up to 64 groups (1,024 indoor units) is possible.

Unified on/off controller

DCS301BA61 (Option)



Centralised control of on/off by group or all at once for up to 256 indoor units.

Schedule timer

DST301BA61 (Option)



Unified control of weekly schedule for up to 1,024 indoor units. Schedule timer sets on/off time in 1 minute units to be executed twice a day for a week at a time.

Intelligent Controller

DCS601C51 (Option)



With its high functionality, the full color "all-in-one" graphic controller facilitates management of Skyair System in a variety of ways.

*Please refer to the page 59 for the details.

Interface adaptor for SkyAir series

DTA102A52 (Option)

Note : DIII-net adaptor function is standard equipment for the FAY71L.

Enables centralised control via connection to a high-speed, DIII-NET communication system, adopted for the Daikin VRV system.

Necessary for interface adaptor for SkyAir series with the central remote control units shown at above.

Central control adaptor kit *2

DTA107A55 (Option) (for FD series)

*2. The central control adaptor kit for FDB series can be made to order.

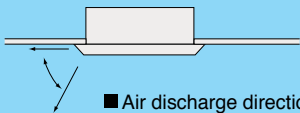
Abundance of functions that provide comfortable air-conditioning in stores and offices.

•Note: Some features only available on selected models. See model pages for full list of features applicable to each unit.

Comfort

Auto-swing

Delivers comfortable air-conditioning to all areas, near to and far from the air-conditioner.



■ Air discharge direction angle can be set (fixed setting)

Swing pattern selection

(draft prevention, standard, ceiling soiling prevention)

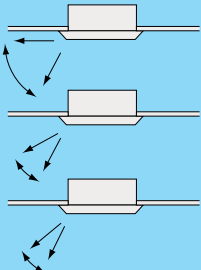
You can freely set 3 air discharge positions by remote controller.

•Applicable for ceiling mounted cassette type and ceiling mounted cassette corner type.

(1) Air direction in standard position

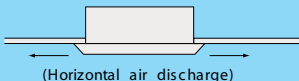
(2) Air direction in draft prevention position

(3) Air direction in ceiling soiling prevention position



Draft prevention function (heating)

To prevent cold air drafts, automatically adjusts airflow to horizontal vector when heating initially starts or when the thermostat turns off.



(Horizontal air discharge)

Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

Programme "Dry"

Dehumidification is microprocessor controlled to prevent uncomfortable changes in air temperature. Useful for reducing uncomfortable humidity without uncomfortable cooling.

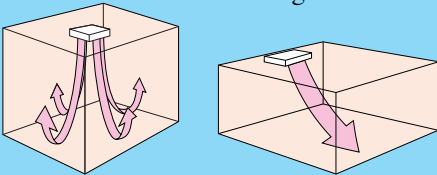
High fan speed mode

You can increase fan speed approximately 10% higher than the "high" setting.

•Applicable for wall mounted type

High-ceiling application

Delivers air-conditioning comfort all the way down to the floor in air-conditioning zones with high ceilings.



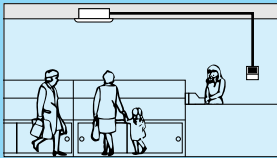
Note:When units are installed on high ceilings, depending on the model, various restrictions concerning maximum height, air discharge direction, and choice of options may apply.

Two selectable temperature-sensors

Temperature-sensors are included in the indoor unit and optional wired remote controller. Temperature sensing closer to target area is possible to further

● Use the temperature-sensor in the indoor unit when controlling air conditioning from another room.

Note: Wireless remote controllers have no temperature-sensor.



Hot start (after defrost)

Uncomfortable cold air draft is not discharged when heating operation starts or when switching to heat after defrosting.

Year-round cooling applicable

Efficient cooling even in winter when indoor temperatures are higher than those outside, such as in underground public spaces or offices with many computers.

• Heat pump/R(Y)71—140LU: possible up to -5°C

• Cooling only/R71—140LU: possible up to -15°C

• The year-round cooling kit is required as option.

Timer selector

Operation starts when the preset time of the ON timer elapses and stops when the preset time of the OFF timer elapses.

Mould prevention

Mould-resistant treatment for filter

Sanitary filter has mould-resistant treatment.

Mould-proofing drain pan

Mould-proofing maintains hygiene by preventing growth in highly humid conditions.

Others

Twin /triple /double twin multi operation

Simultaneously operates 2–4 indoor units with a single outdoor unit.

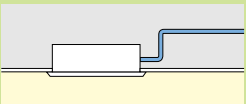
PE fin

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pre-treatment) are used for the heat exchanger of the outdoor unit. In high corrosive areas, regular maintenance needs to be carried out.

Work and Servicing

Drain pump mechanism

Steeper gradient realises more efficient condensate drainage. High-lift is especially useful for long lengths of drain piping.



Pre charged for up to 30 metres

If refrigerant piping length does not exceed 30 m, there is no need for on-site gas charging.

(Applies to R(Y)71LU–140LU)

Long-life filter

Maintenance is not required for one year (two years when a ceiling mounted cassette type is used).

Ceiling soiling prevention function

Daikin's innovative air discharge mechanism keeps airflow away from the ceiling. Ceiling cleaning is less frequently required.

Filter sign

The filter sign warns you when it is time to clean the filter.

*When using a wired remote controller the sign is displayed in the LCD. When using a wireless remote controller the filter sign lamp illuminates on the signal receiver unit.

Low gas pressure detection

Insufficient gas charging is normally hard to detect. During post-installation trials and regular inspection procedures, the refrigerant level is monitored by microprocessor to maintain proper gas pressure. Reliability is assured and maintenance and inspection can be carried out more quickly.

Emergency operation

If there is a malfunction elsewhere in the system, the fan or compressor can still be operated.

Self diagnosis function

The operating parameters of indoor and outdoor units, and sensor data at critical locations throughout the system, are constantly monitored using a microcomputer. To facilitate quick response in the event of a malfunction, a message appears on the LCD of the remote controller and an LED on the unit illuminates.

Control features

Auto-restart

If there is a power outage while the equipment is operating, operations will restart in the same mode as before the power cut when electricity is restored.

Auto cool/heat change-over (Heat pump only)

Detects difference in preset temperature and actual room temperature and automatically switches to cooling or heating accordingly.

Control by 2 remote controllers

Using 2 remote controllers you can operate the equipment locally or from a remote location.

Note: When a wireless remote controller is used, remote control by two remote controllers is not possible.

Control by 1 remote controller

You can turn up to 16 indoor units on/off with a single remote controller. (When using connected indoor units, the settings must all be the same and on/off will be simultaneous.)

External command control

Operation and surveillance is carried out using the contact signal from the operation control box in the building surveillance (security) room.

Central remote control

Optional central remote controller enables centralised control of up to 1024 indoor units (64 groups) from up to 1 kilometer away.

Interlock control

Enables interlocking control with external equipment such as heat reclaim ventilation (HRV).

Options

High-efficiency filter unit

Two types are available: 65% and 90% colorimetry.

Ultra long-life filter

Requires no maintenance for about 4 years* (10,000 h) in stores and offices. * For dust concentration of 0.15 mg/m³

Fresh-air intake kit

You can provide air-conditioning with fresh air from outside. Convenient for places where a ventilation fan cannot be installed.

Note: *Connecting ducts, insect nets, fire dampers, air filters, and other parts should, as required, be procured locally.

**Outside Air fan interlocked with air conditioning unit is necessary. Optional PCB(KRP1C63)is required for interlocking.

***It is recommended that the volume of outdoor air introduced through the kit is limited to 10% of the maximum airflow rate of the indoor unit. Introducing higher quantities will increase the operating noise and may also influence temperature sending.

CEILING MOUNTED CASSETTE TYPE

			35	50	60	71	100	125	140	
Model Name	Indoor unit		FHC35KVE	FHC50KVE	FHC60KVE	FHYC71KVE	FHYC100KVE	FHYC125KVE	FHYC140KVE	
	Outdoor unit		R35GV1	R50GV1	R60GV1	R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1	R140LUY1	
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz							
Cooling capacity ^{1a/1b}			kW	3.54/3.5	5.34/5.3	6.44/6.4	7.8/7.7	10.6/10.5	13.0/12.8	14.5/14.2
			Btu/h	12,100/11,900	18,200/18,100	22,000/21,800	26,600/26,200	36,100/35,700	44,500/43,600	49,400/48,400
			kcal/h	3,040/3,010	4,590/4,560	5,540/5,500	6,700/6,600	9,100/9,000	11,200/11,000	12,500/12,200
Power consumption ^{1a/1b}			kW	1.20/1.20	2.02/2.01	2.45/2.44	3.07/3.07 (V1) 3.05/3.05 (Y1)	4.01/4.01 (V1) 3.96/3.96 (Y1)	4.96/4.96	5.02/5.02
Indoor unit	Colour	Unit	White							
	Decoration panel									
	Airflow rate (H)	m ³ /min	14	15	19	19	28	33	35	
		cfm	494	529	670	670	988	1,164	1,235	
	Sound level (H/L) ²	dB(A)	33/29	33/29	35/30	35/30	39/34	42/36	44/37	
		Dimensions (H×W×D)	Unit	mm	230×840×840	230×840×840	230×840×840	230×840×840	288×840×840	288×840×840
	Machine weight	Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950
		Unit	kg	24	24	24	24	28	28	28
Certified operation range		kg	5	5	5	5	5	5	5	
Outdoor unit	Colour		14 to 23				14 to 25			
	Compressor		Hermetically sealed rotary type				Hermetically sealed scroll type			
	Type	Motor output	kW	1.1	1.7	2.2	2.24	3.00	3.75	4.50
	Refrigerant charge (R-22)	kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)	
		Sound level ²	dB(A)	48	49	54	48	49	49	54
	Dimensions (H×W×D)	mm	540×750×270	540×750×270	685×800×300	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320	
	Machine weight	kg	37	42	61	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	109	
	Certified operation range		°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46, -15 to 46 ³ (Option installed)			
Piping connections	Liquid (Flare)	mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	ø19.1	
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length			m	25	30		50 (equivalent length 70 m)			
Max. installation level difference			m	15		30				
Heat insulation			Both liquid and gas piping							

CEILING SUSPENDED TYPE

Model Name			Indoor unit		35	50	60	71	100	125
			Outdoor unit		FH35BVE	FH50BVE	FH60BVE	FHY71BVE	FHY100BVE	FHY125BVE
					R35GV1	R50GV1	R60GV1	R71LUV1	R100LUV1	R125LUV1
					VE: 1 Phase, 220–240/220 V, 50/60 Hz		V1: 1 Phase, 220–240 V, 50 Hz		Y1: 3 Phase, 380–415 V, 50 Hz	
Cooling capacity ^{1a/1b}				kW	3.54/3.4	5.19/5.1	6.6/6.5	7.8/7.7	10.6/10.5	13.0/12.8
				Btu/h	12,100/11,600	17,700/17,500	22,760/22,200	26,600/26,200	36,100/35,700	44,500/43,600
				kcal/h	3,040/2,930	4,460/4,400	5,690/5,600	6,700/6,600	9,100/9,000	11,200/11,000
Power consumption ^{1a/1b}				kW	1.51/1.50	2.16/2.15	2.80/2.78	3.10/3.10 (V1) 3.08/3.08 (Y1)	3.90/3.90 (V1) 3.85/3.85 (Y1)	4.92/4.92
Indoor unit	Colour		White							
	Airflow rate (H)		m ³ /min	13	13	16	17	24	30	
			cfm	458	458	564	600	847	1,059	
	Sound level (H/L) ²		dB(A)	37/32	38/33	38/33	39/35	42/37	44/39	
	Dimensions (H×W×D)		mm	195×960×680	195×960×680	195×1,160×680	195×1,160×680	195×1,400×680	195×1,590×680	
	Machine weight		kg	23	24	26	27	32	35	
	Certified operation range		°CWB	14 to 23				14 to 25		
Outdoor unit	Colour		Ivory white							
	Compressor	Type	Hermetically sealed rotary type				Hermetically sealed scroll type			
		Motor output	kW	1.1	1.7	2.2	2.24	3.00	3.75	
	Refrigerant charge (R-22)		kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level ²		dB(A)	48	49	54	48	49	49	
	Dimensions (H×W×D)		mm	540×750×270	540×750×270	685×800×300	770×900×320	1,170×900×320	1,170×900×320	
	Machine weight		kg	37	42	61	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	
	Certified operation range		°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46, -15 to 46 ³ (Option installed)			
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length			m	25	30			50 (equivalent length 70 m)		
Max. installation level difference			m	15			30			
Heat insulation			Both liquid and gas piping							

Note :
¹Rated cooling capacities are based on the following conditions:
^{1a}Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R140LU is 7.5 m.)
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³This value is for when year-round cooling kit (option) is installed.

CEILING SUSPENDED CASSETTE TYPE

Model Name			Indoor unit		71	100	125
			Outdoor unit		FUY71FJV1	FUY100FJV1	FUY125FJV1
					R71LUV1	R100LUV1	
				R71LUY1	R100LUY1	R125LUY1	
Power supply			V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz				
Cooling capacity ^{1a/1b}			kW	7.8/7.7	10.6/10.5	13.0/12.8	
			Btu/h	26,600/26,200	36,100/35,700	44,500/43,600	
			kcal/h	6,700/6,600	9,100/9,000	11,200/11,000	
Power consumption ^{1a/1b}			kW	3.08/3.08 (V1) 3.06/3.06 (Y1)	4.07/4.07 (V1) 4.02/4.02 (Y1)	4.97/4.97	
Indoor unit	Colour		White				
	Airflow rate (H)		m³/min	19	29	32	
			cfm	670	1,023	1,129	
	Sound level (H/L) ²		dB(A)	40/35	43/38	44/39	
	Dimensions (H×W×D)		mm	165×895×895	230×895×895	230×895×895	
	Machine weight		kg	25	31	31	
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	2.24	3.00	3.75	
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level ²		dB(A)	48	49	49	
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	
	Certified operation range		°CDB	21 to 46, -15 to 46 ³ (Option installed)			
	Piping connections	Liquid (Flare)		mm	ø 9.5	ø 9.5	ø 9.5
Gas (Flare)		mm	ø 15.9	ø 19.1	ø 19.1		
Drain		Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	
		Outdoor unit	mm	ø 26.0 (Hole)	ø 26.0 (Hole)	ø 26.0 (Hole)	
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation			Both liquid and gas piping				

CEILING MOUNTED CASSETTE CORNER TYPE

			35		45		60		71	
Model Name	Indoor unit		FHK35FV1		FHK45FV1		FHK60FV1		FHYK71FJV1	
	Outdoor unit		R35GV1		R50GV1		R60GV1		R71LUV1 R71LUY1	
Power supply			V1: 1 Phase, 220~240 V, 50 Hz Y1: 3 Phase, 380~415 V, 50 Hz							
Cooling capacity ^{1a/1b}			kW	3.54/3.4	5.19/5.1	6.6/6.5	7.8/7.7			
			Btu/h	12,100/11,600	17,700/17,500	22,760/22,200	26,600/26,200			
			kcal/h	3,040/2,930	4,460/4,400	5,690/5,600	6,700/6,600			
Power consumption ^{1a/1b}			kW	1.41/1.40	2.25/2.24	2.76/2.74	3.07/3.07 (V1) 3.05/3.05 (Y1)			
Indoor unit	Colour	Unit	White							
	Decoration panel									
	Airflow rate (H)		m ³ /min	12	12	17	17			
			cfm	423	423	600	600			
	Sound level (H/L) ²		dB(A)	39/33	39/34	41/36	41/36			
	Dimensions (H×W×D)	Unit	mm	215×1,110×710	215×1,110×710	215×1,310×710	215×1,310×710			
		Decoration panel	mm	70×1,240×800	70×1,240×800	70×1,440×800	70×1,440×800			
	Machine weight	Unit	kg	30	31	33	33			
Decoration panel		kg	8.5	8.5	9.5	9.5				
Certified operation range			°CWB	14 to 23				14 to 25		
Outdoor unit	Colour	Ivory white								
	Compressor	Type	Hermetically sealed rotary type						Hermetically sealed scroll type	
		Motor output	kW	1.1	1.7	2.2	2.24			
	Refrigerant charge (R-22)		kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)			
	Sound level ²		dB(A)	48	49	54	48			
	Dimensions (H×W×D)		mm	540×750×270	540×750×270	685×800×300	770×900×320			
	Machine weight		kg	37	42	61	72 (V1), 71 (Y1)			
Certified operation range			°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46 -15 to 46 ³ (Option installed)			
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5			
	Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9			
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32			
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)			
Max. interunit piping length			m	25	30			50 (equivalent length 70 m)		
Max. installation level difference			m							
Heat insulation			Both liquid and gas piping							

SPECIFICATIONS

CEILING MOUNTED BUILT-IN TYPE

			35	45	60	71	100	125	
Model Name	Indoor unit		FHB35FV1	FHB45FV1	FHB60FV1	FHYB71FV1	FHYB100FV1	FHYB125FV1	
	Outdoor unit		R35GV1	R50GV1	R60GV1	R71LUV1 R71LUY1	R100LUV1 R100LUY1	R125LUY1	
Power supply			V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz						
Cooling capacity ^{1a/1b}			kW	3.54/3.4	5.19/5.1	6.6/6.5	7.8/7.7	10.6/10.5	13.0/12.8
			Btu/h	12,100/11,600	17,700/17,500	22,760/22,200	26,600/26,200	36,100/35,700	44,500/43,600
			kcal/h	3,040/2,930	4,460/4,400	5,690/5,600	6,700/6,600	9,100/9,000	11,200/11,000
Power consumption ^{1a/1b}			kW	1.47/1.46	2.33/2.32	2.78/2.76	3.13/3.13 (V1) 3.11/3.11 (Y1)	4.00/4.00 (V1) 3.95/3.95 (Y1)	4.74/4.74
Indoor unit	Colour	Unit	White						
		Decoration panel	White						
	Airflow rate (H)	m ³ /min	11.5	14	17	19	27	35	
		cfm	405	494	600	670	953	1,235	
	Sound level (H/L) ²	dB(A)	38/32	39/34	41/35	41/35	41/35	44/38	
		Dimensions (H×W×D)	Unit	mm	300×700×800	300×700×800	300×1,000×800	300×1,400×800	300×1,400×800
	Machine weight	Decoration panel	mm	55×880×500	55×880×500	55×1,100×500	55×1,100×500	55×1,500×500	55×1,500×500
		Unit	kg	30	31	41	41	51	52
		Decoration panel	kg	3.5	3.5	4.5	4.5	6.5	6.5
Certified operation range		°CWB	14 to 23			14 to 25			
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed rotary type			Hermetically sealed scroll type			
		Motor output	kW	1.1	1.7	2.2	2.24	3.00	3.75
	Refrigerant charge (R-22)	kg	1.10 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
		Sound level ²	dB(A)	48	49	54	48	49	49
	Dimensions (H×W×D)	mm	540×750×270	540×750×270	685×800×300	770×900×320	1,170×900×320	1,170×900×320	
	Machine weight	kg	37	42	61	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	
	Certified operation range		°CDB	19.4 to 46	19.4 to 54	19.4 to 46	21 to 46, -15 to 46 ³ (Option installed)		
	Piping connections	Liquid (Flare)	mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5
Gas (Flare)		mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	
Drain		Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length		m	25	30			50 (equivalent length 70 m)		
Max. installation level difference		m	15			30			
Heat insulation		Both liquid and gas piping							

WALL MOUNTED TYPE

Model Name			Indoor unit		71		100	
					FAY71LVE		FAY100FAVE	
			Outdoor unit		R71LUV1		R100LUV1	
R71LUY1		R100LUY1						
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity ^{1a/1b}			kW	7.8/7.7		10.6/10.5		
			Btu/h	26,600/26,200		36,100/35,700		
			kcal/h	6,700/6,600		9,100/9,000		
Power consumption ^{1a/1b}			kW	2.98/ 2.98(V1) 2.96/2.96(Y1)		3.90/3.90 (V1) 3.85/3.85 (Y1)		
Indoor unit	Colour		White					
	Airflow rate (H)		m ³ /min	19		23		
			cfm	670		811		
	Sound level (H/L) ²		dB(A)	43/37		45/41		
	Dimensions (H×W×D)		mm	290×1,050×230		360×1,570×200		
	Machine weight		kg	13		26		
Certified operation range			°CWB		14 to 25			
Outdoor unit	Colour		Ivory white					
	Compressor	Type	Hermetically sealed scroll type					
		Motor output	kW	2.24		3.00		
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)		3.7 (Charged for 30 m)		
	Sound level ²		dB(A)	48		49		
	Dimensions (H×W×D)		mm	770×900×320		1,170×900×320		
	Machine weight		kg	72 (V1), 71 (Y1)		87 (V1), 84 (Y1)		
	Certified operation range		°CDB	21 to 46, -15 to 46 ³ (Option installed)				
Piping connections	Liquid (Flare)		mm	ø9.5		ø9.5		
	Gas (Flare)		mm	ø15.9		ø19.1		
	Drain	Indoor unit	mm	I.Dø13×O.Dø18		I.Dø20×O.Dø26		
		Outdoor unit	mm	ø26.0 (Hole)		ø26.0 (Hole)		
Max. interunit piping length			m	50 (equivalent length 70 m)				
Max. installation level difference			m	30				
Heat insulation			Both liquid and gas piping					

Note :
¹Rated cooling capacities are based on the following conditions:
(FHB) ^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R125LU is 7.5 m.)
(FAY) ^{1a}Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R100LU is 7.5 m.)
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³This value is for when year-round cooling kit (option) is installed.

FLOOR STANDING TYPE

			71		100		125		
Model Name	Indoor unit		FVY71LAVE		FVY100LAVE		FVY125LAVE		
	Outdoor unit		R71LUV1		R100LUV1		R125LUY1		
			R71LUY1		R100LUY1				
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz						
Cooling capacity ^{1a/1b}			kW	7.8/7.7		10.6/10.5		13.0/12.8	
			Btu/h	26,600/26,200		36,100/35,700		44,500/43,600	
			kcal/h	6,700/6,600		9,100/9,000		11,200/11,000	
Power consumption ^{1a/1b}			kW	3.18/3.18 (V1) 3.16/3.16 (Y1)		4.03/4.03 (V1) 3.98/3.98 (Y1)		5.06/5.06	
Indoor unit	Colour		White						
	Airflow rate (H)		m ³ /min	18		28		32	
			cfm	635		988		1,129	
	Sound level (H/L) ²		dB(A)	41/35		46/40		49/43	
	Dimensions (H×W×D)		mm	1,850×600×270		1,850×600×350		1,850×600×350	
	Machine weight		kg	39		46		47	
Certified operation range			°CWB	14 to 25					
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed scroll type						
		Motor output	kW	2.24		3.00		3.75	
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)		3.7 (Charged for 30 m)		3.7 (Charged for 30 m)	
	Sound level ²		dB(A)	48		49		49	
	Dimensions (H×W×D)		mm	770×900×320		1,170×900×320		1,170×900×320	
	Machine weight		kg	72 (V1), 71 (Y1)		87 (V1), 84 (Y1)		98	
	Certified operation range			°CDB	21 to 46, -15 to 46 ³ (Option installed)				
Piping connections	Liquid (Flare)		mm	ø9.5		ø9.5		ø9.5	
	Gas (Flare)		mm	ø15.9		ø19.1		ø19.1	
	Drain	Indoor unit	mm	I.Dø20×O.Dø26		I.Dø20×O.Dø26		I.Dø20×O.Dø26	
		Outdoor unit	mm	ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)	
Max. interunit piping length			m	50 (equivalent length 70 m)					
Max. installation level difference			m	30					
Heat insulation			Both liquid and gas piping						

DUCT CONNECTION LOW STATIC PRESSURE TYPE

			25	35	50	60	71
Model Name	Indoor unit		FDBG25AVE	FDBG35AVE	FDBG50AVE	FDBG60AVE	FDBG71AVE
	Outdoor unit		R25JV1	R35JV1	R50GV1	R60GV1	R71FUV1
							R71FUV1
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz				
Cooling capacity ^{1a/1b, 4}			kW	2.64/2.60	3.54/3.50	5.34/5.30	7.03/6.97
			Btu/h	9,000/8,900	12,100/11,900	18,200/18,100	24,000/23,800
			kcal/h	2,270/2,250	3,040/3,010	4,590/4,560	6,050/6,000
Power consumption ^{1a/1b}			kW	0.88/0.87	1.25/1.24	2.06/2.05	2.76/2.75
Indoor unit	Colour		—				
	Airflow rate (H)		m ³ /min	13	13	13	18
			cfm	458	458	458	635
	Fan	Driving system	Direct drive (2 speed)				
	Sound level (H/L) ²		dB(A)	41/38	41/38	42/39	42/39
	Dimensions (H×W×D)		mm	260×900×580	260×900×580	260×900×580	260×1,300×580
	Machine weight		kg	22	22	23	31
	Certified operation range		°CWB	14 to 23			14 to 25
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed rotary type				
		Motor output	kW	0.7	1.1	1.7	2.2
	Refrigerant charge (R-22)		kg	0.8 (Charged for 10 m)	1.0 (Charged for 10 m)	1.20 (Charged for 10 m)	1.50 (Charged for 5 m)
	Sound level ²		dB(A)	46	48	49	54
	Dimensions (H×W×D)		mm	560×695×265	560×695×265	540×750×270	685×800×300
	Machine weight		kg	27	33	42	61
	Certified operation range		°CDB	19.4 to 46			19.4 to 54
Piping connections	Liquid (Flare)		mm	ø6.4	ø6.4	ø6.4	ø9.5
	Gas (Flare)		mm	ø9.5	ø12.7	ø15.9	ø15.9
	Drain	Indoor unit	mm	3/4B	3/4B	3/4B	3/4B
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)
Max. interunit piping length			m	25			30
Max. installation level difference			m	15			50 (equivalent length 70 m)
Heat insulation			Both liquid and gas piping				

Note :
¹Rated cooling capacities are based on the following conditions:
(FVY) ^{1a}Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R125LU is 7.5 m.)
(FDBG) ^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³This value is for when year-round cooling kit (option) is installed.
⁴Capacities are gross, with no deduction made for evaporator fan motor heat.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

			71	100	125	140	180	
Model Name	Indoor unit		FDMG71AV1	FDMG100AV1	FDMG125AV1	FDMG140AV1	FDMG180AV1	
	Outdoor unit		RG71AV1	R100FUV1				
			RG71AY1	R100FUY1	R125FUY1	RG140AY1	RG180AY1	
Power supply			V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz					
Cooling capacity ^{1a/1b}			kW	8.8/8.7	10.6/10.5	13.1/12.9	14.5/14.2	17.2/16.8
			Btu/h	30,000/29,600	36,100/35,700	44,500/43,600	49,400/48,400	58,700/57,500
			kcal/h	7,600/7,500	9,100/9,000	11,200/11,000	12,500/12,200	14,700/14,400
Power consumption ^{1a/1b}			kW	3.15/3.13	4.08/4.04	4.89/4.85	5.25/5.25	6.45/6.45
Indoor unit	Colour		Ivory white					
	Fan	Airflow rate (H)	m ³ /min	23	34	37	42	42
			cfm	811	1,200	1,306	1,412	1,482
	Sound level (H) ²		dB(A)	42	44	45	46	47
	Dimensions (H×W×D)		mm	305×1,350×680	305×1,550×680	305×1,550×680	305×1,900×680	
	Machine weight		kg	43	51	52	52	58
	Certified operation range		°CWB	14 to 25				
Outdoor unit	Colour		Ivory white					
	Compressor	Type	Hermetically sealed type			Hermetically sealed scroll type		
		Motor output	kW	2.20	3.00	3.75	4.50	4.50
	Refrigerant charge (R-22)		kg	2.4 (Charged for 5 m)	2.4 (Charged for 5 m)	2.8 (Charged for 5 m)	2.9 (Charged for 5 m)	2.8 (Charged for 5 m)
	Sound level ²		dB(A)	52	56	57	55	56
	Dimensions (H×W×D)		mm	816×880×370	1,215×880×370	1,215×880×370	1,345×880×370	1,345×880×370
	Machine weight		kg	87 (V1), 84 (Y1)	117 (V1), 109 (Y1)	110	113	114
Certified operation range		°CDB	21 to 52					
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	3/4B	3/4B	3/4B	3/4B	3/4B
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)				
Max. installation level difference			m	30				
Heat insulation			Both liquid and gas piping					

Model Name	Indoor unit		71	100	125	140	
	Outdoor unit		FDYM03FAV1	FDYM04FAV1	FDYM05FAV1	FDYM06FAV1	
			R71LUV1	R100LUV1	R125LUY1	R140LUY1	
			R71LUY1	R100LUY1			
Power supply			V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz				
Cooling capacity ^{1a/1b}		kW	7.8/7.7	10.6/10.5	13.0/12.8	14.5/14.2	
		Btu/h	26,600/26,200	36,100/35,700	44,500/43,600	49,400/48,400	
		kcal/h	6,700/6,600	9,100/9,000	11,200/11,000	12,500/12,200	
Power consumption ^{1a/1b}		kW	3.25/3.25 (V1) 3.23/3.23 (Y1)	4.08/4.08 (V1) 4.03/4.03 (Y1)	5.06/5.06	5.18/5.18	
Indoor unit	Colour		Ivory white				
	Fan	Airflow rate (H)	m ³ /min	20	26	35	37
			cfm	706	917	1,235	1,306
		External static pressure	Pa(mmH ₂ O)	98(10)	98(10)	98(10)	98(10)
	Sound level (H) ²		dB(A)	39	39	44	46
	Dimensions (H×W×D)		mm	295×1,100×680	295×1,500×680	295×1,500×680	295×1,500×680
	Machine weight		kg	42	56	57	57
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	2.24	3.00	3.75	4.50
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)
	Sound level ²		dB(A)	48	49	49	54
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320
	Machine weight		kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	109
	Certified operation range		°CDB	21 to 46, -15 to 46 ³ (Option installed)			
Piping connections	Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø15.9	ø19.1	ø19.1	ø19.1	
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length		m	50 (equivalent length 70 m)				
Max. installation level difference		m	30				
Heat insulation			Both liquid and gas piping				

Note :
¹Rated cooling capacities are based on the following conditions:
^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R140LU is 7.5 m.)
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³This value is for when year-round cooling kit (option) is installed.

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

			71	100	125	140	
Model Name	Indoor unit		FD03KY1	FD04KY1	FD05KY1	FD06KY1	
	Outdoor unit		R71FUY1	R100FUY1	R125FUY1	RU06KY1	
Power supply			Y1: 3 phase, 380–415 V, 50 Hz				
Cooling capacity ^{1a/1b}		kW	8.1/7.9	11.0/10.8	14.0/13.8	17.4/17.2	
		Btu/h	27,800/27,000	37,700/36,900	47,600/46,800	59,500/58,800	
		kcal/h	7,000/6,800	9,500/9,300	12,000/11,800	15,000/14,800	
Power consumption ^{1a/1b}		kW	2.50/2.48	3.52/3.48	4.19/4.15	5.7/5.7	
Indoor unit	Colour		Ivory white				
	Airflow rate (H)		m ³ /min	26	30	46	52
			cfm	917	1,059	1,623	1,835
	Fan	External static pressure	Pa(mmH ₂ O)	69 (7)	88 (9)		
	Driving system		Belt drive				
	Sound level (H) ²		dB(A)	46	49	51	
	Dimensions (H×W×D)		mm	450×650×850	450×900×850	450×1,130×850	
	Machine weight		kg	51	59	72	79
Certified operation range		°CWB	14 to 25				
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed type			Hermetically sealed scroll type	
		Motor output	kW	3.0	3.8	4.5	
	Refrigerant charge (R-22)		kg	2.1 (Charged for 5 m)	2.4 (Charged for 5 m)	2.8 (Charged for 5 m)	3.0 (Charged for 5 m)
	Sound level ²		dB(A)	52	56	57	59
	Dimensions (H×W×D)		mm	816×880×370	1,215×880×370	1,345×880×320	
	Machine weight		kg	84	109	110	112
	Certified operation range		°CDB	21 to 52			
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	3/4B			
Outdoor unit		mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	——	
Max. interunit piping length		m	50 (equivalent length 70 m)				
Max. installation level difference		m	30				
Heat insulation			Both liquid and gas piping				

			200	250	400	500	
Model Name	Indoor unit		FD08KY1	FD10KY1	FD15KY1	FD20KY1	
	Outdoor unit		RU08KUY1	RU10KUY1	RU08KUY1×2	RU10KUY1×2	
Power supply			Y1: 3 phase, 380–415 V, 50 Hz				
Cooling capacity ^{1a/1b}			kW	24.3/24.0	29.7/29.2	48.6/47.9	59.3/58.4
			Btu/h	83,000/81,800	101,200/99,600	166,000/163,500	202,400/199,400
			kcal/h	20,900/20,600	25,500/25,100	41,800/41,200	51,000/50,200
Power consumption ^{1a/1b}			kW	7.5/7.4	9.9/9.8	15.0/14.8	19.8/19.6
Indoor unit	Colour		Ivory white				
	Airflow rate (H)		m ³ /min	68	83	136	166
			cfm	2,400	2,929	4,800	5,859
	Fan	External static pressure	Pa(mmH ₂ O)	98 (10)		147 (15)	
		Driving system		Belt drive			
	Sound level (H) ²		dB(A)	51	53	58	60
	Dimensions (H×W×D)		mm	500×1,130×850	500×1,330×850	625×1,620×850	625×1,980×850
	Machine weight		kg	93	104	161	187
Certified operation range			°CWB	14 to 25			
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	7.5	9.0	7.5×2	9.0×2
	Refrigerant charge (R-22)		kg	5.0 (Charged for 5 m)	6.1 (Charged for 5 m)	5.0 (Charged for 5 m)×2	6.1 (Charged for 5 m)×2
	Sound level ²		dB(A)	60	61	60 ³	61 ³
	Dimensions (H×W×D)		mm	1,220×1,280×690	1,440×1,280×690	(1,220×1,280×690)×2	(1,440×1,280×690)×2
	Machine weight		kg	185	200	185×2	200×2
	Certified operation range			°CDB	21 to 52		
Piping connections	Liquid (Flare)		mm	ø12.7	ø15.9	ø12.7×2	ø15.9×2
	Gas (Brazing)		mm	ø25.4	ø31.8	ø25.4×2	ø31.8×2
	Drain	Indoor unit	mm	3/4B		1B	
Outdoor unit		mm					
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation			Both liquid and gas piping				

Note :
Models RU08K(U)Y1 and RU10K(U)Y1 are recommended for commercial facilities.
¹Rated cooling capacities are based on the following conditions:
^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³Specification for outdoor unit is for a single unit only.

SPECIFICATIONS

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

Model Name			Indoor unit		200		250		400		500	
			Outdoor unit		FD08KY1		FD10KY1		FD15KY1		FD20KY1	
Power supply			Y1: 3 phase, 380~415 V, 50 Hz									
Cooling capacity ^{1a/1b}			kW		24.3/24.0		29.7/29.2		48.6/47.9		59.3/58.4	
			Btu/h		83,000/81,800		101,200/99,600		166,000/163,500		202,400/199,400	
			kcal/h		20,900/20,600		25,500/25,100		41,800/41,200		51,000/50,200	
Power consumption ^{1a/1b}			kW		7.5/7.4		9.9/9.8		15.0/14.8		19.8/19.6	
Indoor unit	Colour		—————									
	Airflow rate (H)		m ³ /min	68		83		136		166		
			cfm	2,400		2,929		4,800		5,859		
	Fan	External static pressure	Pa(mmH ₂ O)	98 (10)				147 (15)				
		Driving system		Belt drive								
	Sound level (H) ²		dB(A)	51		53		58		60		
	Dimensions (H×W×D)		mm	500×1,130×850		500×1,330×850		625×1,620×850		625×1,980×850		
	Machine weight		kg	93		104		161		187		
Certified operation range			°CWB	14 to 25								
Outdoor unit	Colour		Ivory white									
	Compressor	Type	Hermetically sealed scroll type									
		Motor output	kW	7.5		9.0		7.5×2		9.0×2		
	Refrigerant charge (R-22)		kg	5.0 (Field charge required for 5 m) ⁴		6.1 (Field charge required for 5 m) ⁴		5.0 (Field charge required for 5 m) ⁴ ×2		6.1 (Field charge required for 5 m) ⁴ ×2		
	Sound level ²		dB(A)	60		61		60 ³		61 ³		
	Dimensions (H×W×D)		mm	1,220×1,280×690		1,440×1,280×690		(1,220×1,280×690) ×2		(1,440×1,280×690) ×2		
	Machine weight		kg	177		190		177×2		190×2		
	Certified operation range			°CDB	21 to 52							
Piping connections	Liquid (Brazing)		mm	ø12.7		ø15.9		ø12.7×2		ø15.9×2		
	Gas (Brazing)		mm	ø25.4		ø31.8		ø25.4×2		ø31.8×2		
	Drain	Indoor unit	mm	3/4B				1B				
		Outdoor unit	mm	—————								
Max. interunit piping length			m	50 (equivalent length 70 m)								
Max. installation level difference			m	30								
Heat insulation			Both liquid and gas piping									

Note :
Models RU08K(U)Y1 and RU10K(U)Y1 are recommended for commercial facilities.
¹Rated cooling capacities are based on the following conditions:
^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³Specification for outdoor unit is for a single unit only.
⁴This is the amount of refrigerant required for piping of five meters or less.
Since the unit does not contain refrigerant when shipped from the factory, it must be added at the installation site.
For details, please refer to the installation manual.

SPECIFICATIONS

Simultaneous operation system **TWIN & TRIPLE & DOUBLE TWIN MULTI**

CEILING MOUNTED CASSETTE TYPE

			71		100		125		140		200		250		
Model Name	Indoor unit		FHYC35KVE×2		FHYC50KVE×2		FHYC60KVE×2		FHYC71KVE×2		FHYC100KVE×2		FHYC125KVE×2		
	Outdoor unit		R71LUV1		R100LUV1		R125LUV1		R140LUV1		R200KUY1		R250KUY1		
			R71LUY1		R100LUY1										
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz												
Cooling capacity ^{1a/1b}			kW	7.8/7.7		10.6/10.5		13.0/12.8		14.5/14.2		22.5/22.2		27.1/26.6	
			Btu/h	26,600/26,200		36,100/35,700		44,500/43,600		49,400/48,400		76,800/75,800		92,500/90,800	
			kcal/h	6,700/6,600		9,100/9,000		11,200/11,000		12,500/12,200		19,400/19,100		23,300/22,900	
Power consumption ^{1a/1b}			kW	3.17/3.17 (V1) 3.15/3.15 (Y1)		4.06/4.06 (V1) 4.01/4.01 (Y1)		5.01/5.01		5.02/5.02		7.7/7.6		9.7/9.7	
Indoor unit ³	Colour	Unit	—												
		Decoration panel	White												
	Airflow rate (H)	m ³ /min	14		15		19		19		28		33		
		cfm	494		529		670		670		988		1,164		
	Sound level (H/L) ²	dB(A)	33/29		33/29		35/30		35/30		39/34		42/36		
	Dimensions (H×W×D)	Unit	mm	230×840×840		230×840×840		230×840×840		230×840×840		288×840×840		288×840×840	
		Decoration panel	mm	40×950×950		40×950×950		40×950×950		40×950×950		40×950×950		40×950×950	
	Machine weight	Unit	kg	24		24		24		24		28		28	
		Decoration panel	kg	5		5		5		5		5		5	
	Outdoor unit	Certified operation range		°CWB		14 to 25									
Colour		Ivory white													
Compressor		Type	Hermetically sealed scroll type												
		Motor output	kW	2.24		3.00		3.75		4.50		5.5		9.0	
Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)		3.7 (Charged for 30 m)		3.75 (Charged for 30 m)		4.1 (Charged for 30 m)		5.3 (Charged for 5 m)		5.7 (Charged for 5 m)		
Sound level ²		dB(A)	48		49		49		54		60		61		
Dimensions (H×W×D)		mm	770×900×320		1,170×900×320		1,170×900×320		1,345×900×320		1,220×1,280×690		1,440×1,280×690		
Machine weight		kg	72 (V1), 71 (Y1)		87 (V1), 84 (Y1)		98		109		178		202		
Certified operation range		°CDB		21 to 46, -15 to 46 ⁴ (Option installed)											
Piping connections	Liquid (Flare)		mm	ø9.5		ø9.5		ø9.5		ø9.5		ø12.7		ø15.9	
	Gas		mm	ø15.9 (Flare)		ø19.1 (Flare)		ø19.1 (Flare)		ø19.1 (Flare)		ø25.4 (Flange)		ø28.6 (Flange)	
	Drain	Indoor unit	mm	I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32	
		Outdoor unit	mm	ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)	
Max. interunit piping length			m	50 (equivalent length 70 m)											
Max. installation level difference			m	30											
Heat insulation				Both liquid and gas piping											

			140		200		200		250		
Model Name	Indoor unit		FHYC50KVE×3		FHYC71KVE×3		FHYC50KVE×4		FHYC60KVE×4		
			R140LUY1		R200KUY1		R200KUY1		R250KUY1		
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V, 50 Hz								
Cooling capacity ^{1a/1b}			kW	14.5/14.2	22.5/22.2	22.5/22.2	22.5/22.2	27.1/26.6			
			Btu/h	49,400/48,400	76,800/75,800	76,800/75,800	92,500/90,800				
			kcal/h	12,500/12,200	19,400/19,100	19,400/19,100	23,300/22,900				
Power consumption ^{1a/1b}			kW	5.02/5.02	7.7/7.6	7.7/7.6	7.7/7.6	9.7/9.7			
Indoor unit ³	Colour	Unit									
		Decoration panel	White								
	Airflow rate (H)		m³/min	15		19		15		19	
			cfm	529		670		529		670	
	Sound level (H/L) ²		dB(A)	33/29		35/30		33/29		35/30	
	Dimensions (H×W×D)		Unit	mm 230×840×840		230×840×840		230×840×840		230×840×840	
			Decoration panel	mm 40×950×950		40×950×950		40×950×950		40×950×950	
	Machine weight		Unit	kg 24		24		24		24	
			Decoration panel	kg 5		5		5		5	
Certified operation range			°CWB	14 to 25							
Outdoor unit	Colour		Ivory white								
	Compressor	Type	Hermetically sealed scroll type								
		Motor output	kW	4.50		5.5		5.5		9.0	
	Refrigerant charge (R-22)		kg	4.1 (Charged for 30 m)		5.3 (Charged for 5 m)		5.3 (Charged for 5 m)		5.7 (Charged for 5 m)	
	Sound level ²		dB(A)	54		60		60		61	
	Dimensions (H×W×D)		mm	1,345×900×320		1,220×1,280×690		1,220×1,280×690		1,440×1,280×690	
	Machine weight		kg	109		178		178		202	
	Certified operation range			°CDB	21 to 46, -15 to 46 ° (Option installed)		-5 to 52				
Piping connections	Liquid (Flare)		mm	ø9.5		ø12.7		ø12.7		ø15.9	
	Gas		mm	ø19.1 (Flare)		ø25.4 (Flange)		ø25.4 (Flange)		ø28.6 (Flange)	
	Drain	Indoor unit	mm I.D ø25×O.D ø32		I.D ø25×O.D ø32		I.D ø25×O.D ø32		I.D ø25×O.D ø32		
		Outdoor unit	mm ø26.0 (Hole)		—		—		—		
Max. interunit piping length			m	50 (equivalent length 70 m)							
Max. installation level difference			m	30							
Heat insulation			Both liquid and gas piping								

SPECIFICATIONS

Simultaneous operation system **TWIN & TRIPLE & DOUBLE TWIN MULTI**

CEILING SUSPENDED TYPE

			71	100	125	140	200	250	
Model Name	Indoor unit		FHY35BVE × 2	FHY50BVE × 2	FHY60BVE × 2	FHY71BVE × 2	FHY100BVE × 2	FHY125BVE × 2	
	Outdoor unit		R71LUV1	R100LUV1	R125LUY1	R140LUY1	R200KUY1	R250KUY1	
			R71LUY1	R100LUY1					
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz						
Cooling capacity ^{1a/1b}		kW	7.8/7.7	10.6/10.5	13.0/12.8	14.5/14.2	22.5/22.2	27.1/26.6	
		Btu/h	26,600/26,200	36,100/35,700	44,500/43,600	49,400/48,400	76,800/75,800	92,500/90,800	
		kcal/h	6,700/6,600	9,100/9,000	11,200/11,000	12,500/12,200	19,400/19,100	23,300/22,900	
Power consumption ^{1a/1b}		kW	3.20/3.20 (V1) 3.18/3.18 (Y1)	3.95/3.95 (V1) 3.90/3.90 (Y1)	4.98/4.98	5.17/5.17	7.7/7.6	9.7/9.7	
Indoor unit ³	Colour		White						
	Airflow rate (H)	m ³ /min	13	13	16	17	24	30	
		cfm	458	458	564	600	847	1,059	
	Sound level (H/L) ²	dB(A)	37/32	38/33	38/33	39/35	42/37	44/39	
	Dimensions (H×W×D)	mm	195×960×680	195×960×680	195×1,160×680	195×1,160×680	195×1,400×680	195×1,590×680	
	Machine weight	kg	23	24	26	27	32	35	
Certified operation range		°CWB	14 to 25						
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed scroll type						
		Motor output	kW	2.24	3.00	3.75	4.50	5.5	9.0
	Refrigerant charge (R-22)	kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)	
		Sound level ²	dB(A)	48	49	49	54	60	61
	Dimensions (H×W×D)	mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320	1,220×1,280×690	1,440×1,280×690	
	Machine weight	kg	72 (V1), 71 (Y1)	87 (V1), 84 (Y1)	98	109	178	202	
	Certified operation range	°CDB	21 to 46, -15 to 46 ⁴ (Option installed) -5 to 52						
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5	ø9.5	ø12.7	ø15.9
	Gas		mm	ø15.9 (Flare)	ø19.1 (Flare)	ø19.1 (Flare)	ø19.1 (Flare)	ø25.4 (Flange)	ø28.6 (Flange)
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
Outdoor unit		mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	—	
Max. interunit piping length		m	50 (equivalent length 70 m)						
Max. installation level difference		m	30						
Heat insulation			Both liquid and gas piping						

			140	200	200	250	
Model Name	Indoor unit		FHY50BVE × 3	FHY71BVE × 3	FHY50BVE × 4	FHY60BVE × 4	
	Outdoor unit		R140LUY1	R200KUY1	R200KUY1	R250KUY1	
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V,50 Hz				
Cooling capacity ^{1a/1b}		kW	14.5/14.2	22.5/22.2	22.5/22.2	27.1/26.6	
		Btu/h	49,600/48,400	76,800/75,800	76,800/75,800	92,500/90,800	
		kcal/h	12,500/12,200	19,400/19,100	19,400/19,100	23,300/22,900	
Power consumption ^{1a/1b}		kW	5.17/5.17	7.7/7.6	7.7/7.6	9.7/9.7	
Indoor unit ³	Colour		White				
	Airflow rate (H)	m ³ /min	13	17	13	16	
		cfm	458	600	458	564	
	Sound level (H/L) ²	dB(A)	38/33	39/35	38/33	38/33	
	Dimensions (H×W×D)	mm	195×960×680	195×1,160×680	195×960×680	195×1,160×680	
	Machine weight	kg	24	27	24	26	
Certified operation range		°CWB	14 to 25				
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	4.50	5.5	5.5	9.0
	Refrigerant charge (R-22)	kg	4.1 (Charged for 30 m)	5.3 (Charged for 5 m)	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)	
	Sound level ²	dB(A)	54	60	60	61	
	Dimensions (H×W×D)	mm	1,345×900×320	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690	
	Machine weight	kg	109	178	178	202	
	Certified operation range	°CDB	21 to 46, -15 to 46 * (Option installed)	-5 to 52			
Piping connections	Liquid (Flare)		mm	ø9.5	ø12.7	ø12.7	ø15.9
	Gas		mm	ø19.1 (Flare)	ø25.4 (Flange)	ø25.4 (Flange)	ø28.6 (Flange)
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø26.0 (Hole)	—	—	—
Max. interunit piping length		m	50 (equivalent length 70 m)				
Max. installation level difference		m	30				
Heat insulation			Both liquid and gas piping				

Note :
Models R200KU and R250KU are recommended for commercial facilities.
¹Rated cooling capacities are based on the following conditions:
^{1a}Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (R71LU-R140LU is 7.5 m.)
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³Values shown are for a single unit only.
⁴This value is for when year-round cooling kit (option) is installed.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

				200	250	200	
Model Name	Indoor unit			FDYM04FAV1 × 2	FDYM05FAV1 × 2	FDYM03FAV1 × 3	
	Outdoor unit			R200KUY1	R250KUY1	R200KUY1	
Power supply				V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity ^{1a/1b}				kW	22.5/22.2	22.5/22.2	
				Btu/h	76,800/75,800	92,500/90,800	76,800/75,800
				kcal/h	19,400/19,100	23,300/22,900	19,400/19,100
Power consumption ^{1a/1b}				kW	7.7/7.6	9.9/9.9	8.0/7.9
Indoor unit ³	Colour			—			
	Fan	Airflow rate (H)		m ³ /min	26	35	20
				cfm	917	1,235	706
		External static pressure		Pa(mmH ₂ O)	98(10)	98(10)	98(10)
	Sound level (H) ²		dB(A)	39	44	39	
	Dimensions (H×W×D)		mm	295×1,500×680	295×1,500×680	295×1,100×680	
	Machine weight		kg	56	57	42	
	Certified operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory white			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output		kW	5.5	9.0	5.5
	Refrigerant charge (R-22)		kg	5.3 (Charged for 5 m)	5.7 (Charged for 5 m)	5.3 (Charged for 5 m)	
	Sound level ²		dB(A)	60	61	60	
	Dimensions (H×W×D)		mm	1,220×1,280×690	1,440×1,280×690	1,220×1,280×690	
	Machine weight		kg	178	202	178	
	Certified operation range		°CDB	-5 to 52			
Piping connections	Liquid (Flare)		mm	ø12.7	ø15.9	ø12.7	
	Gas (Flange)		mm	ø25.4	ø28.6	ø25.4	
	Drain	Indoor unit	mm	ø25I.D.,ø32O.D.	ø25I.D.,ø32O.D.	ø25I.D.,ø32O.D.	
		Outdoor unit	mm	—	—	—	
Max. interunit piping length				m	50 (equivalent length 70 m)		
Max. installation level difference				m	30		
Heat insulation				Both liquid and gas piping			

Note :
Models R200KU and R250KU are recommended for commercial facilities.
¹Rated cooling capacities are based on the following conditions:
^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
²Anechoic chamber conversion value, measured according to JIS parameters and criteria.
During operation these values are somewhat higher owing to ambient conditions.
³Values shown are for a single unit only.

SPECIFICATIONS

CEILING MOUNTED CASSETTE TYPE

Model Name	Indoor unit		35	50	60	71	100	125	140	
	Outdoor unit		FHYC35KVE	FHYC50KVE	FHYC60KVE	FHYC71KVE	FHYC100KVE	FHYC125KVE	FHYC140KVE	
			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUY1	RY140LUY1	
Power supply			VE: 1 Phase 220–240/220 V, 50/60 Hz V1: 1 Phase 220–240 V, 50 Hz Y1: 3 Phase, 380—415 V, 50 Hz							
Cooling capacity ^{1a/1b}			kW	3.79/3.75	5.27/5.2	6.24/6.15	7.8/7.7	10.5/10.4	13.0/12.8	14.5/14.2
			Btu/h	12,900/12,800	18,000/17,800	21,300/21,000	26,600/26,200	35,700/35,300	44,500/43,600	49,400/48,400
			kcal/h	3,260/3,230	4,530/4,470	5,370/5,290	6,700/6,600	9,000/8,900	11,200/11,000	12,500/12,200
Heating capacity ²			kW	4.22	5.8	7.0	7.9	11.2	14.2	16.3
			Btu/h	14,400	19,800	23,900	27,000	38,100	48,400	56,000
			kcal/h	3,630	4,990	6,020	6,800	9,600	12,200	14,000
Power consumption		Cooling ^{1a/1b}	kW	1.51/1.50	1.92/1.91	2.35/2.33	3.01/3.01 (Y1), 2.99/2.99 (Y1)	3.93/3.93 (Y1), 3.88/3.88 (Y1)	4.89/4.89	4.95/4.95
		Heating ²	kW	1.37	1.68	2.26	2.84 (Y1), 2.82 (Y1)	3.64 (Y1), 3.60 (Y1)	4.68	4.84
Indoor unit	Colour	Unit	White							
		Decoration panel								
	Airflow rate (H)	m ³ /min	14	15	19	19	28	33	35	
		cfm	494	529	670	670	988	1,164	1,235	
	Sound level (H/L) ³	dB(A)	33/29	33/29	35/30	35/30	39/34	42/36	44/37	
	Dimensions (H×W×D)	Unit	mm	230×840×840	230×840×840	230×840×840	288×840×840	288×840×840	288×840×840	
		Decoration panel	mm	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	40×950×950	
	Machine weight	Unit	kg	24	24	24	28	28	28	
		Decoration panel	kg	5	5	5	5	5	5	
Certified operation range	Cooling	°CWB	14 to 23							
	Heating	°CDB	15 to 28							
Outdoor unit	Colour		Ivory white							
	Compressor	Type	Hermetically sealed rotary type				Hermetically sealed scroll type			
		Motor output	kW	1.3	1.7	2.2	2.24	3.00	3.75	4.50
	Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)
	Sound level (Cooling/Heating) ³	dB(A)	47/48	49/51	54/54	48/49	49/52	49/52	54/56	
	Dimensions (H×W×D)	mm	540×750×270	685×800×300	685×880×350	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320	
	Machine weight	kg	41	51	75	73 (Y1), 72 (Y1)	89 (Y1), 86 (Y1)	101	112	
	Certified operation range	Cooling	°CDB	19.4 to 46						
		Heating	°CWB	-10 to 15.5						
Piping connections	Liquid (Flare)	mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	ø19.1	
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	
	Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length			m	20	30					
Max. installation level difference			m	15					30	
Heat insulation				Both liquid and gas piping						

CEILING SUSPENDED TYPE

Model Name	Indoor unit		35	50	60	71	100	125	
	Outdoor unit		FHY35BVE	FHY50BVE	FHY60BVE	FHY71BVE	FHY100BVE	FHY125BVE	
			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUV1	
Power supply			VE: 1 Phase 220–240/220 V, 50/60 Hz V1: 1 Phase 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz						
Cooling capacity ^{1a/1b}			kW	3.5/3.5	5.0/4.85	6.3/6.15	7.8/7.7	10.5/10.4	13.0/12.8
			Btu/h	12,100/11,900	16,900/16,600	21,400/21,000	26,600/26,200	35,700/35,300	44,500/43,600
			kcal/h	3,040/3,000	4,260/4,200	5,390/5,300	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity ²			kW	4.1	5.5	7.1	7.9	11.2	14.2
			Btu/h	14,000	18,800	24,200	27,000	38,100	48,400
			kcal/h	3,520	4,750	6,100	6,800	9,600	12,200
Power consumption		Cooling ^{1a/1b}	kW	1.58/1.57	2.17/2.16	3.14/3.12	3.04/3.04 (V1), 3.02/3.02 (Y1)	3.82/3.82 (V1), 3.77/3.77 (Y1)	4.85/4.85
		Heating ²	kW	1.37	1.96	2.94	2.98 (V1), 2.95 (Y1)	3.69 (V1), 3.64 (Y1)	4.77
Indoor unit	Colour		White						
	Airflow rate (H)		m ³ /min	13	13	16	17	24	30
			cfm	458	458	564	600	847	1,059
	Sound level (H/L) ³		dB(A)	37/32	38/33	38/33	39/35	42/37	44/39
	Dimensions (H×W×D)		mm	195×960×680	195×960×680	195×1,160×680	195×1,160×680	195×1,400×680	195×1,590×680
	Machine weight		kg	23	24	26	27	32	35
	Certified operation range	Cooling	°CWB	14 to 23				12 to 25	
		Heating	°CDB	15 to 28				15 to 27	
	Outdoor unit	Colour		Ivory white					
Compressor		Type	Hermetically sealed rotary type				Hermetically sealed scroll type		
		Motor output	kW	1.3	1.7	2.2	2.24	3.00	3.75
Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
Sound level (Cooling/Heating) ³		dB(A)	47/48	49/51	54/54	48/49	49/52	49/52	
Dimensions (H×W×D)		mm	540×750×270	685×800×300	685×880×350	770×900×320	1,170×900×320	1,170×900×320	
Machine weight		kg	41	51	75	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	
Certified operation range		Cooling	°CDB	19.4 to 46				-5 to 46	
		Heating	°CWB	-10 to 15.5				-10 to 15	
Piping connections	Liquid (Flare)	mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length			m	20	30		50 (equivalent length 70 m)		
Max. installation level difference			m	15			30		
Heat insulation			Both liquid and gas piping						

Note :

¹Rated cooling capacities are based on the following conditions:

^{1a}Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).

^{1b}Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)

²Rated heating capacities are based on the following conditions:

Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)

³Anechoic chamber conversion value, measured according to JIS parameters and criteria.

During operation these values are somewhat higher owing to ambient conditions.

CEILING SUSPENDED CASSETTE TYPE

Model Name	Indoor unit		71	100	125	
	Outdoor unit		FUY71FJV1	FUY100FJV1	FUY125FJV1	
			RY71LUV1	RY100LUV1	RY100LUV1	
			RY71LUY1	RY100LUY1	RY125LUY1	
Power supply			V1: 1 Phase 220—240 V, 50 Hz Y1: 3 Phase, 380—415 V, 50 Hz			
Cooling capacity ^{1a/1b}		kW	7.8/7.7	10.5/10.4	13.0/12.8	
		Btu/h	26,600/26,200	35,700/35,300	44,500/43,600	
		kcal/h	6,700/6,600	9,000/8,900	11,200/11,000	
Heating capacity ²		kW	7.9	11.2	14.2	
		Btu/h	27,000	38,100	48,400	
		kcal/h	6,800	9,600	12,200	
Power consumption	Cooling ^{1a/1b}	kW	3.02/3.02 (V1), 3.00/3.00 (Y1)	3.99/3.99 (V1), 3.94/3.94 (Y1)	4.90/4.90	
	Heating ²	kW	2.87 (V1), 2.84 (Y1)	3.66 (V1), 3.62 (Y1)	4.61	
Indoor unit	Colour		White			
	Airflow rate (H)	m ³ /min	19	29	32	
		cfm	670	1,023	1,129	
	Sound level (H/L) ³	dB(A)	40/35	43/38	44/39	
	Dimensions (H×W×D)	mm	165×895×895	230×895×895	230×895×895	
	Machine weight	kg	25	31	31	
	Certified operation range	Cooling	12 to 25			
		Heating	15 to 27			
	Outdoor unit	Colour		Ivory white		
Compressor		Type	Hermetically sealed scroll type			
		Motor output	kW	2.24	3.00	3.75
Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
Sound level (Cooling/Heating) ³		dB(A)	48/49	49/52	49/52	
Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	
Machine weight		kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	
Certified operation range		Cooling	-5 to 46			
		Heating	-10 to 15			
Piping connections	Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø15.9	ø19.1	ø19.1	
	Drain	Indoor unit	mm	I.Dø20×O.Dø26		
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length		m	50 (equivalent length 70 m)			
Max. installation level difference		m	30			
Heat insulation			Both liquid and gas piping			

CEILING MOUNTED CASSETTE CORNER TYPE

			35	45	60	71	
Model Name	Indoor unit		FHYK35FJV1	FHYK45FJV1	FHYK60FJV1	FHYK71FJV1	
	Outdoor unit		RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	
Power supply			V1: 1 Phase, 220~240 V, 50 Hz Y1: 3 Phase, 380~415 V, 50 Hz				
Cooling capacity ^{1a/1b}		kW	3.5/3.5	5.0/4.85	6.3/6.15	7.8/7.7	
		Btu/h	12,100/11,900	16,900/16,600	21,400/21,000	26,600/26,200	
		kcal/h	3,040/3,000	4,260/4,200	5,390/5,300	6,700/6,600	
Heating capacity ²		kW	4.1	5.5	7.1	7.9	
		Btu/h	14,000	18,800	24,000	27,000	
		kcal/h	3,520	4,740	6,080	6,800	
Power consumption	Cooling ^{1a/1b}	kW	1.47/1.46	1.95/1.94	2.87/2.85	3.01/3.01 (V1), 2.99/2.99 (Y1)	
	Heating ²	kW	1.25	1.72	2.65	2.91 (V1), 2.88 (Y1)	
Indoor unit	Colour	Unit	_____				
		Decoration panel	White				
	Airflow rate (H)	m ³ /min	12	12	17	17	
		cfm	423	423	600	600	
	Sound level (H/L) ³	dB(A)	39/33	39/34	41/36	41/36	
	Dimensions (H×W×D)	Unit	mm	215×1,110×710	215×1,310×710	215×1,310×710	
		Decoration panel	mm	70×1,240×800	70×1,240×800	70×1,440×800	
	Machine weight	Unit	kg	30	31	33	
		Decoration panel	kg	8.5	8.5	9.5	
Certified operation range	Cooling	°CWB	14 to 23			12 to 25	
	Heating	°CDB	15 to 28			15 to 27	
Outdoor unit	Colour	Ivory white					
	Compressor	Type	Hermetically sealed rotary type			Hermetically sealed scroll type	
		Motor output	kW	1.3	1.7	2.2	2.24
	Refrigerant charge (R-22)	kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)	
	Sound level (Cooling/Heating) ³	dB(A)	47/48	49/51	54/54	48/49	
	Dimensions (H×W×D)	mm	540×750×270	685×800×300	685×880×350	770×900×320	
	Machine weight	kg	41	51	75	73 (Y1), 72 (Y1)	
	Certified operation range	Cooling	°CDB	19.4 to 46			-5 to 46
		Heating	°CWB	-10 to 15.5			-10 to 15
Piping connections	Liquid (Flare)	mm	ø6.4	ø6.4	ø6.4	ø9.5	
		mm	ø12.7	ø15.9	ø15.9	ø15.9	
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length		m	20	30	50 (equivalent length 70 m)		
Max. installation level difference		m	15			30	
Heat insulation		Both liquid and gas piping					

SPECIFICATIONS

CEILING MOUNTED BUILT-IN TYPE

			35	45	60	71	100	125	
Model Name	Indoor unit		FHYB35FV1	FHYB45FV1	FHYB60FV1	FHYB71FV1	FHYB100FV1	FHYB125FV1	
	Outdoor unit		RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	RY100LUV1 RY100LUY1	RY125LUV1	
Power supply			V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz						
Cooling capacity ^{1a/1b}			kW	3.5/3.5	5.0/4.85	6.3/6.15	7.8/7.7	10.5/10.4	13.0/12.8
			Btu/h	12,100/11,900	16,900/16,600	21,400/21,000	26,600/26,200	35,700/35,300	44,500/43,600
			kcal/h	3,040/3,000	4,260/4,200	5,390/5,300	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity ²			kW	4.1	5.5	7.1	7.9	11.2	14.2
			Btu/h	14,000	18,800	24,200	27,000	38,100	48,400
			kcal/h	3,520	4,750	6,100	6,800	9,600	12,200
Power consumption		Cooling ^{1a/1b}	kW	1.53/1.52	1.97/1.96	2.91/2.89	3.07/3.07 (V1), 3.05/3.05 (Y1)	3.92/3.92 (V1), 3.87/3.87 (Y1)	4.67/4.67
		Heating ²	kW	1.34	1.92	2.71	3.06 (V1), 3.03 (Y1)	3.75 (V1), 3.70 (Y1)	4.63
Indoor unit	Colour	Unit	White						
	Decoration panel								
	Airflow rate (H)	m ³ /min	11.5	14	17	19	27	35	
		cfm	405	494	600	670	953	1,235	
	Sound level (H/L) ³	dB(A)	38/32	39/34	41/35	41/35	41/35	44/38	
	Dimensions (H×W×D)	Unit	mm	300×700×800	300×700×800	300×1,000×800	300×1,000×800	300×1,400×800	300×1,400×800
		Decoration panel	mm	55×880×500	55×880×500	55×1,100×500	55×1,100×500	55×1,500×500	55×1,500×500
	Machine weight	Unit	kg	30	31	41	41	51	52
Decoration panel		kg	3.5	3.5	4.5	4.5	6.5	6.5	
Certified operation range	Cooling	°CWB	14 to 23			12 to 25			
	Heating	°CDB	15 to 28			15 to 27			
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed rotary type			Hermetically sealed scroll type			
		Motor output	kW	1.3	1.7	2.2	2.24	3.00	3.75
	Refrigerant charge (R-22)	kg	1.12 (Charged for 10 m)	1.55 (Charged for 10 m)	1.75 (Charged for 5 m)	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
		Sound level (Cooling/Heating) ³	dB(A)	47/48	49/51	54/54	48/49	49/52	49/52
	Dimensions (H×W×D)	mm	540×750×270	685×800×300	685×880×350	770×900×320	1,170×900×320	1,170×900×320	
	Machine weight	kg	41	51	75	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	
	Certified operation range	Cooling	°CDB	19.4 to 46			-5 to 46		
Heating		°CWB	-10 to 15.5			-10 to 15			
Piping connections	Liquid (Flare)	mm	ø6.4	ø6.4	ø6.4	ø9.5	ø9.5	ø9.5	
	Gas (Flare)	mm	ø12.7	ø15.9	ø15.9	ø15.9	ø19.1	ø19.1	
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	
		Outdoor unit	mm	ø18.0 (Hole)	ø18.0 (Hole)	ø18.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length			m	20	30		50 (equivalent length 70 m)		
Max. installation level difference			m	15			30		
Heat insulation			Both liquid and gas piping						

WALL MOUNTED TYPE

Model Name			71		100	
	Indoor unit		FAY71LVE		FAY100FAVE	
	Outdoor unit		RY71LUV1		RY100LUV1	
			RY71LUY1		RY100LUY1	
Power Supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity ^{1a/1b}			7.8/7.7		10.5/10.4	
		kW	26,600/26,200		35,700/35,300	
		Btu/h	6,700/6,600		9,000/8,900	
Heating capacity ²		kcal/h	7.9		11.2	
		kW	27,000		38,100	
		Btu/h	6,800		9,600	
Power consumption		Cooling ^{1a/1b}	2.92/2.92 (V1), 2.90/2.90 (Y1)		3.82/ 3.82 (V1), 3.77/ 3.77 (Y1)	
		Heating ²	2.85 (V1), 2.82 (Y1)		3.66 (V1), 3.61 (Y1)	
Indoor unit	Colour		White			
	Airflow rate (H)		m³/min	19	23	
			cfm	670	811	
	Sound level (H/L) ³		dB(A)	43/37	45/41	
	Dimensions (H×W×D)		mm	290×1,050×230	360×1,570×200	
	Machine weight		kg	13	26	
	Certified operation range	Cooling	°CWB	12 to 25		
Heating		°CDB	15 to 27			
Outdoor unit	Colour		Ivory white			
	Compressor	Type	Hermetically sealed scroll type			
		Motor output	kW	2.24	3.00	
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level (Cooling/Heating) ³		dB(A)	48/49	49/52	
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	
	Machine weight		kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	
	Certified operation range	Cooling	°CDB	-5 to 46		
Heating		°CWB	-10 to 15			
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	
	Gas (Flare)		mm	ø15.9	ø19.1	
	Drain	Indoor unit	mm	I.Dø13×O.Dø18	I.Dø20×O.Dø26	
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	
Max. interunit piping length			m	50 (equivalent length 70 m)		
Max. installation level difference			m	30		
Heat insulation			Both liquid and gas piping			

Note :

¹Rated cooling capacities are based on the following conditions:

(FHYB) ^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).

(FHYB) ^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY125LU is 7.5 m.)

(FAY) ^{1a}Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).

(FAY) ^{1b}Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 7.5 m (horizontal).

²Rated heating capacities are based on the following conditions:

(FHYB) Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY125LU is 7.5 m.)

(FAY) Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal).

³Anechoic chamber conversion value, measured according to JIS parameters and criteria.

During operation these values are somewhat higher owing to ambient conditions.

FLOOR STANDING TYPE

			71	100	125
Model Name	Indoor unit		FVY71LAVE	FVY100LAVE	FVY125LAVE
	Outdoor unit		RY71LUV1	RY100LUV1	RY125LUV1
			RY71LUY1	RY100LUY1	
			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz		
Cooling capacity ^{1a/1b}		kW	7.8/7.7	10.5/10.4	13.0/12.8
		Btu/h	26,600/26,200	35,700/35,300	44,500/43,600
		kcal/h	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity ²		kW	7.9	11.2	14.2
		Btu/h	27,000	38,100	48,400
		kcal/h	6,800	9,600	12,200
Power consumption	Cooling ^{1a/1b}	kW	3.12/3.12 (V1), 3.10/3.10 (Y1)	3.95/3.95 (V1), 3.90/3.90 (Y1)	4.99/4.99
	Heating ²	kW	3.00 (V1), 2.97 (Y1)	3.75 (V1), 3.70 (Y1)	4.73
Indoor unit	Colour		White		
	Airflow rate (H)	m ³ /min	18	28	32
		cfm	635	988	1,129
	Sound level (H/L) ³	dB(A)	41/35	46/40	49/43
	Dimensions (H×W×D)	mm	1,850×600×270	1,850×600×350	1,850×600×350
	Machine weight	kg	39	46	47
	Certified operation range	Cooling	°CWB	12 to 25	
Heating		°CDB	15 to 27		
Outdoor unit	Colour		Ivory white		
	Compressor	Type	Hermetically sealed scroll type		
		Motor output	kW	2.24	3.00
	Refrigerant charge (R-22)	kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)
	Sound level (Cooling/Heating) ³	dB(A)	48/49	49/52	49/52
	Dimensions (H×W×D)	mm	770×900×320	1,170×900×320	1,170×900×320
	Machine weight	kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101
	Certified operation range	Cooling	°CDB	-5 to 46	
Heating		°CWB	-10 to 15		
Piping connections	Liquid (Flare)	mm	ø9.5	ø9.5	ø9.5
	Gas (Flare)	mm	ø15.9	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø20×O.Dø26	I.Dø20×O.Dø26
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length		m	50 (equivalent length 70 m)		
Max. installation level difference		m	30		
Heat insulation			Both liquid and gas piping		

DUCT CONNECTION LOW STATIC PRESSURE TYPE

				35	50	60	71	
Model Name	Indoor unit			FDYB35KAVE	FDYB50KAVE	FDYB60KAVE	FDYB71KAVE	
	Outdoor unit			RY35FV1A	RY50GAV1A	RY60GAV1A	RY71LUV1 RY71LUY1	
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz				
Cooling capacity ^{1a/1b}		kW	3.79/3.75		5.27/5.20		6.24/6.15	
		Btu/h	12,900/12,800		18,000/17,800		21,300/21,000	
		kcal/h	3,260/3,230		4,530/4,470		5,370/5,290	
Heating capacity ²		kW	4.22		5.80		7.0	
		Btu/h	14,400		19,800		23,900	
		kcal/h	3,630		4,990		6,020	
Power consumption	Cooling ^{1a/1b}	kW	1.51/1.50		2.01/2.00		2.38/2.36	
	Heating ²	kW	1.33		1.78		2.29	
Indoor unit	Colour			—————				
	Airflow rate (H)		m ³ /min	13		18		
			cfm	460		635		
	Fan	External static pressure	Pa(mmH ₂ O)	20 (2)				
	Driving system			Direct drive (2 speed)				
	Sound level (H/L) ³		dB(A)	41/38		43/40		
	Dimensions (H×W×D)		mm	260×900×580		260×1,300×580		
	Machine weight		kg	22		31		
	Certified operation range	Cooling	°CWB	14 to 23		12 to 25		
		Heating	°CDB	15 to 28		15 to 27		
Outdoor unit	Colour			Ivory white				
	Compressor	Type	Hermetically sealed rotary type				Hermetically sealed scroll type	
		Motor output	kW	1.3		1.7		2.2
	Refrigerant charge (R-22)		kg	1.12 (Charged for 10 m)		1.55 (Charged for 10 m)		1.75 (Charged for 5 m)
	Sound level (Cooling/Heating) ³		dB(A)	47/48		49/51		54/54
	Dimensions (H×W×D)		mm	540×750×270		685×800×300		685×880×350
	Machine weight		kg	41		51		75
	Certified operation range	Cooling	°CDB	19.4 to 46		-10 to 15.5		-5 to 46
		Heating	°CWB	-10 to 15				-10 to 15
	Piping connections	Liquid (Flare)	mm	ø6.4		ø6.4		ø6.4
Gas (Flare)		mm	ø12.7		ø15.9		ø15.9	
Drain		Indoor unit	mm	3/4B				
		Outdoor unit	mm	ø18.0 (Hole)		ø18.0 (Hole)		
Max. interunit piping length			m	20		30		
Max. installation level difference			m	15				
Heat insulation			Both liquid and gas piping					

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE

				71	100	125	140
Model Name	Indoor unit			FDYM03FAV1	FDYM04FAV1	FDYM05FAV1	FDYM06FAV1
	Outdoor unit			RY71LUV1	RY100LUV1	RY125LUY1	RY140LUY1
				RY71LUY1	RY100LUY1		
Power supply				V1: 1 Phase, 220~240 V, 50 Hz Y1: 3 Phase, 380~415 V, 50 Hz			
Cooling capacity ^{1a/1b}				kW	7.8/7.7	10.5/10.4	13.0/12.8
				Btu/h	26,600/26,200	35,700/35,300	44,500/43,600
				kcal/h	6,700/6,600	9,000/8,900	11,200/11,000
Heating capacity ²				kW	7.9	11.2	14.2
				Btu/h	27,000	38,100	48,400
				kcal/h	6,800	9,600	12,200
Power consumption		Cooling ^{1a/1b}	kW	3.19/3.19 (V1), 3.17/3.17 (Y1)	4.00/4.00 (V1), 3.95/3.95 (Y1)	4.99/4.99	5.10/5.10
		Heating ²	kW	2.95 (V1), 2.92 (Y1)	3.91 (V1), 3.86 (Y1)	4.75	4.96
Indoor unit	Colour			Ivory white			
	Fan	Airflow rate (H)	m³/min	20	26	35	37
			cfm	706	917	1,235	1,306
		External static pressure	Pa(mmH ₂ O)	98 (10)	98 (10)	98 (10)	98 (10)
	Sound level (H) ³		dB(A)	39	39	44	46
	Dimensions (H×W×D)		mm	295×1,100×680	295×1,500×680	295×1,500×680	295×1,500×680
	Machine weight		kg	42	56	57	57
	Certified operation range	Cooling	°CWB	12 to 25			
		Heating	°CDB	15 to 27			
Outdoor unit	Colour			Ivory white			
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	2.24	3.00	3.75	4.50
	Refrigerant charge (R-22)		kg	2.8 (Charged for 30 m)	3.7 (Charged for 30 m)	3.7 (Charged for 30 m)	4.1 (Charged for 30 m)
	Sound level (Cooling/Heating) ³		dB(A)	48/49	49/52	49/52	54/56
	Dimensions (H×W×D)		mm	770×900×320	1,170×900×320	1,170×900×320	1,345×900×320
	Machine weight		kg	73 (V1), 72 (Y1)	89 (V1), 86 (Y1)	101	112
	Certified operation range	Cooling	°CDB	-5 to 46			
Heating		°CWB	-10 to 15				
Piping connections	Liquid (Flare)		mm	ø9.5	ø9.5	ø9.5	ø9.5
	Gas (Flare)		mm	ø15.9	ø19.1	ø19.1	ø19.1
	Drain	Indoor unit	mm	I.Dø25×O.Dø32	I.Dø25×O.Dø32	I.Dø25×O.Dø32	øDø25×O.Dø32
		Outdoor unit	mm	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)	ø26.0 (Hole)
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			
Heat insulation				Both liquid and gas piping			

DUCT CONNECTION HIGH STATIC PRESSURE TYPE

				140	200	250	400	500
Model Name	Indoor unit			FDY06KAY1	FDY08KAY1	FDY10KAY1	FDY15KAY1	FDY20KAY1
	Outdoor unit			RY140LUY1	RY200KUY1	RY250KUY1	RY200KUY1x2	RY250KUY1x2
Power supply				Y1: 3 phase, 380–415 V (4 wires), 50 Hz				
Cooling capacity ^{1a/1b}			kW	14.5/14.2	22.5/22.2	27.6/27.1	44.0/43.5	53.9/53.0
			Btu/h	49,500/48,500	76,800/75,700	94,200/92,500	150,000/148,000	184,000/181,000
			kcal/h	12,500/12,220	19,300/19,100	23,700/23,300	37,800/37,400	46,400/45,600
Heating capacity ²			kW	15.3	23.2	29.5	44.8	56.8
			Btu/h	52,200	79,200	100,700	153,000	194,000
			kcal/h	13,200	20,000	25,400	38,500	48,800
Power consumption	Cooling ^{1a/1b}	kW	5.14/5.14	7.2/7.1	9.3/9.2	14.4/14.2	18.5/18.3	
	Heating ²	kW	4.54	6.1	8.8	12.2	17.6	
Indoor unit	Colour			—				
	Airflow rate (H)		m³/min	52	68	83	136	166
			cfm	1,835	2,400	2,929	4,800	5,859
	Fan	External static pressure	Pa(mmH ₂ O)	108 (11)	118 (12)		147 (15)	
		Driving system			Belt drive			
	Sound level (H) ³		dB(A)	51		53	58	60
	Dimensions(H×W×D) ⁵		mm	450×1,130×850	500×1,130×850	500×1,330×850	625×1,620×850	625×1,980×850
	Machine weight		kg	80	94	105	161	187
	Certified operation range	Cooling	°CWB	12 to 25	14 to 25			
Heating		°CDB		15 to 27				
Outdoor unit	Colour			Ivory white				
	Compressor	Type		Hermetically sealed scroll type				
		Motor output	kW	4.5	5.5	9.0	5.5×2	9.0×2
	Refrigerant charge (R-22)		kg	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)	4.0 (Charged for 5 m)×2	5.5 (Charged for 5 m)×2
	Sound level (Cooling/Heating) ³		dB(A)	54/56	60/62	61/63	60/62 ⁴	61/63 ⁴
	Dimensions (H×W×D)		mm	1,345×900×320	1,220×1,280×690	1,440×1,280×690	(1,220×1,280×690)×2	(1,440×1,280×690)×2
	Machine weight		kg	112	180	206	180×2	206×2
	Certified operation range	Cooling	°CDB	-5 to 46	0 to 50		0 to 50	
		Heating	°CWB	-10 to 15	-10 to 15		-10 to 15	
Piping connections	Liquid (Flare)		mm	ø9.5	ø12.7	ø15.9	ø12.7×2	ø15.9×2
	Gas		mm	ø19.1 (Flare)	ø25.4 (Flange)	ø28.6 (Flange)	ø25.4×2 (Flange)	ø28.6×2 (Flange)
	Drain	Indoor unit	mm	3/4B				
		Outdoor unit	mm	ø26.0 (Hole)	1B			
Max. interunit piping length			m	50 (equivalent length 70 m)				
Max. installation level difference			m	30				
Heat insulation				Both liquid and gas piping				

Note :
Models RY200KU and RY250KU are recommended for commercial facilities.
¹Rated cooling capacities are based on the following conditions:
^{1a}Suction temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Suction temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
²Rated heating capacities are based on the following conditions:
Suction temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
³Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
⁴Specification for outdoor unit is for a single unit only.
⁵Without control box.

CEILING MOUNTED CASSETTE TYPE

			71		100		125		140		200		250		
Model Name	Indoor unit		FHYC35KVE×2		FHYC50KVE×2		FHYC60KVE×2		FHYC71KVE×2		FHYC100KVE×2		FHYC125KVE×2		
	Outdoor unit		RY71LUV1		RY100LUV1		RY125LUY1		RY140LUY1		RY200KUY1		RY250KUY1		
			RY71LUY1		RY100LUY1										
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz												
Cooling capacity ^{1a/1b}			kW	7.8/7.7		10.5/10.4		13.0/12.8		14.5/14.2		22.5/22.2		27.1/26.6	
			Btu/h	26,600/26,200		35,700/35,300		44,500/43,600		49,400/48,400		76,800/75,800		92,500/90,800	
			kcal/h	6,700/6,600		9,000/8,900		11,200/11,000		12,500/12,200		19,400/19,100		23,300/22,900	
Heating capacity ²			kW	7.9		11.2		14.2		16.3		22.7		28.4	
			Btu/h	27,000		38,100		48,400		56,000		77,500		97,000	
			kcal/h	6,800		9,600		12,200		14,000		19,500		24,400	
Power consumption		Cooling ^{1a/1b}	kW	3.11/3.11 (V1), 3.09/3.09 (Y1)		3.98/3.98 (V1), 3.93/3.93 (Y1)		4.94/4.94		4.95/4.95		7.7/7.6		9.7/9.7	
		Heating ²	kW	2.94 (V1), 2.92 (Y1)		3.69 (V1), 3.65 (Y1)		4.73		4.84		6.5		9.2	
Indoor unit ³	Colour	Unit													
		Decoration panel	White												
	Airflow rate (H)	m³/min	14		15		19		19		28		33		
		cfm	494		529		670		670		988		1,164		
	Sound level (H/L) ⁴	dB(A)	33/29		33/29		35/30		35/30		39/34		42/36		
	Dimensions (H×W×D)	Unit	mm	230×840×840		230×840×840		230×840×840		230×840×840		288×840×840		288×840×840	
		Decoration panel	mm	40×950×950		40×950×950		40×950×950		40×950×950		40×950×950		40×950×950	
	Machine weight	Unit	kg	24		24		24		24		28		28	
		Decoration panel	kg	5		5		5		5		5		5	
	Certified operation range	Cooling	°CWB	12 to 25								14 to 25			
		Heating	°CDB	15 to 27								15 to 27			
Outdoor unit	Colour		Ivory white												
	Compressor	Type	Hermetically sealed scroll type												
		Motor output	kW	2.24		3.00		3.75		4.50		5.5		9.0	
	Refrigerant charge (R-22)	kg	2.8 (Charged for 30 m)		3.7 (Charged for 30 m)		3.7 (Charged for 30 m)		4.1 (Charged for 30 m)		4.0 (Charged for 5 m)		5.5 (Charged for 5 m)		
	Sound level (Cooling/Heating) ⁴	dB(A)	48/49		49/52		49/52		54/56		60/62		61/63		
	Dimensions (H×W×D)	mm	770×900×320		1,170×900×320		1,170×900×320		1,345×900×320		1,220×1,280×690		1,440×1,280×690		
	Machine weight	kg	73 (V1), 72 (Y1)		89 (V1), 86 (Y1)		101		112		180		206		
	Certified operation range	Cooling	°CDB	-5 to 46								0 to 50			
		Heating	°CWB	-10 to 15								-10 to 15			
Piping connections	Liquid (Flare)	mm	ø9.5		ø9.5		ø9.5		ø9.5		ø12.7		ø15.9		
	Gas	mm	ø15.9 (Flare)		ø19.1 (Flare)		ø19.1 (Flare)		ø19.1 (Flare)		ø25.4 (Flange)		ø28.6 (Flange)		
		Drain	mm	I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32		I.Dø25×O.Dø32	
		Outdoor unit	mm	ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)		ø26.0 (Hole)		——		——	
Max. interunit piping length			m	50 (equivalent length 70 m)											
Max. installation level difference			m	30											
Heat insulation			Both liquid and gas piping												

CEILING SUSPENDED TYPE

			71		100		125		140		200		250		
Model Name	Indoor unit		FHY35BVE × 2		FHY50BVE × 2		FHY60BVE × 2		FHY71BVE × 2		FHY100BVE × 2		FHY125BVE × 2		
	Outdoor unit		RY71LUV1		RY100LUV1		RY125LUY1		RY140LUY1		RY200KUY1		RY250KUY1		
			RY71LUY1		RY100LUY1										
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz V1: 1 Phase, 220–240 V, 50 Hz Y1: 3 Phase, 380–415 V, 50 Hz												
Cooling capacity ^{1a/1b}			kW	7.8/7.7		10.5/10.4		13.0/12.8		14.5/14.2		22.5/22.2		27.1/26.6	
			Btu/h	26,600/26,200		35,700/35,300		44,500/43,600		49,400/48,400		76,800/75,800		92,500/90,800	
			kcal/h	6,700/6,600		9,000/8,900		11,200/11,000		12,500/12,200		19,400/19,100		23,300/22,900	
Heating capacity ²			kW	7.9		11.2		14.2		16.3		22.7		28.4	
			Btu/h	27,000		38,100		48,400		56,000		77,500		97,000	
			kcal/h	6,800		9,600		12,200		14,000		19,500		24,400	
Power consumption		Cooling ^{1a/1b}	kW	3.14/3.14 (V1) 3.12/3.12 (Y1)		3.87/3.87 (V1) 3.82/3.82 (Y1)		4.91/4.91		5.10/5.10		7.7/7.6		9.7/9.7	
		Heating ²	kW	3.08 (V1), 3.05 (Y1)		3.74 (V1), 3.69 (Y1)		4.83		4.99		6.5		9.2	
Indoor unit ³	Colour		White												
	Airflow rate (H)	m³/min	13		13		16		17		24		30		
		cfm	458		458		564		600		847		1,059		
	Sound level (H/L) ⁴	dB(A)	37/32		38/33		38/33		39/35		42/37		44/39		
	Dimensions (H×W×D)	mm	195×960×680		195×960×680		195×1,160×680		195×1,160×680		195×1,400×680		195×1,590×680		
	Machine weight	kg	23		24		26		27		32		35		
	Certified operation range	Cooling	°CWB		12 to 25						14 to 25				
Heating		°CDB		15 to 27						15 to 27					
Outdoor unit	Colour		Ivory white												
	Compressor	Type	Hermetically sealed scroll type												
		Motor output	kW	2.24		3.00		3.75		4.50		5.5		9.0	
	Refrigerant charge (R-22)	kg	2.8 (Charged for 30 m)		3.7 (Charged for 30 m)		3.7 (Charged for 30 m)		4.1 (Charged for 30 m)		4.0 (Charged for 5 m)		5.5 (Charged for 5 m)		
	Sound level (Cooling/Heating) ⁴	dB(A)	48/49		49/52		49/52		54/56		60/62		61/63		
	Dimensions (H×W×D)	mm	770×900×320		1,170×900×320		1,170×900×320		1,345×900×320		1,220×1,280×690		1,440×1,280×690		
	Machine weight	kg	73 (V1), 72 (Y1)		89 (V1), 86 (Y1)		101		112		180		206		
	Certified operation range	Cooling	°CDB		-5 to 46						0 to 50				
Heating		°CWB		-10 to 15						-10 to 15					
Piping connections	Liquid (Flare)	mm	ø9.5		ø9.5		ø9.5		ø9.5		ø12.7		ø15.9		
	Gas	mm	ø15.9 (Flare)		ø19.1 (Flare)		ø19.1 (Flare)		ø19.1 (Flare)		ø25.4 (Flange)		ø28.6 (Flange)		
	Drain	Indoor unit Outdoor unit	mm mm	I.Dø20×O.Dø26 ø26.0 (Hole)		I.Dø20×O.Dø26 ø26.0 (Hole)		I.Dø20×O.Dø26 ø26.0 (Hole)		I.Dø20×O.Dø26 ø26.0 (Hole)		I.Dø20×O.Dø26 ——		I.Dø20×O.Dø26 ——	
Max. interunit piping length			m		50 (equivalent length 70 m)										
Max. installation level difference			m		30										
Heat insulation			Both liquid and gas piping												

Model Name		Indoor unit		140	200	200	250
		Outdoor unit		FHY50BVE × 3 RY140LUY1	FHY71BVE × 3 RY200KUY1	FHY50BVE × 4 RY200KUY1	FHY60BVE × 4 RY250KUY1
Power supply				VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V, 50 Hz			
Cooling capacity ^{1a/1b}		kW	14.5/14.2	22.5/22.2	22.5/22.2	27.1/26.6	
		Btu/h	49,400/48,400	76,800/75,800	76,800/75,800	92,500/90,800	
		kcal/h	12,500/12,200	19,400/19,100	19,400/19,100	23,300/22,900	
Heating capacity ²		kW	16.3	22.7	22.7	28.4	
		Btu/h	56,000	77,500	77,500	97,000	
		kcal/h	14,000	19,500	19,500	24,400	
Power consumption	Cooling ^{1a/1b}	kW	5.10/5.10	7.7/7.6	7.7/7.6	9.7/9.7	
	Heating ²	kW	4.99	6.5	6.5	9.2	
Indoor unit ³	Colour		White				
	Airflow rate (H)	m³/min	13	17	13	16	
		cfm	458	600	458	564	
	Sound level (H/L) ⁴	dB(A)	38/33	39/35	38/33	38/33	
	Dimensions (H×W×D)	mm	195×960×680	195×1,160×680	195×960×680	195×1,160×680	
	Machine weight	kg	24	27	24	26	
	Certified operation range	Cooling	°CWB		14 to 25		
Heating		°CDB		15 to 27			
Outdoor unit	Colour		Ivory white				
	Compressor	Type	Hermetically sealed scroll type				
		Motor output	kW	4.50	5.5	5.5	9.0
	Refrigerant charge (R-22)	kg	4.1 (Charged for 30 m)	4.0 (Charged for 5 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)	
	Sound level (Cooling/Heating) ⁴	dB(A)	54/56	60/62	60/62	61/63	
	Dimensions (H×W×D)	mm	1,345×900×320	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690	
	Machine weight	kg	112	180	180	206	
	Certified operation range	Cooling	°CDB		0 to 50		
Heating		°CWB		-10 to 15			
Piping connections	Liquid (Flare)	mm	φ9.5	φ12.7	φ12.7	φ15.9	
		mm	φ19.1 (Flare)	φ25.4 (Flange)	φ25.4 (Flange)	φ28.6 (Flange)	
	Drain	Indoor unit	mm	I.D φ20×O.D φ26	I.D φ20×O.D φ26	I.D φ20×O.D φ26	
		Outdoor unit	mm	φ26.0 (Hole)	_____	_____	_____
Max. interunit piping length		m	50 (equivalent length 70 m)				
Max. installation level difference		m	30				
Heat insulation			Both liquid and gas piping				

Note :
Models RY200KU and RY250KU are recommended for commercial facilities.
¹Rated cooling capacities are based on the following conditions:
^{1a}Indoor temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
^{1b}Indoor temp., 27°CDB, 19.0°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
²Rated heating capacities are based on the following conditions:
^{2a}Indoor temp., 20°CDB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 5 m (horizontal). (RY71LU-RY140LU is 7.5 m.)
³Values shown are for a single unit only.
⁴Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCT CONNECTION LOW STATIC PRESSURE TYPE

Model Name			200		200		250		
			FDYB50KAVE × 4 RY200KUY1		FDYB71KAVE × 3 RY200KUY1		FDYB60KAVE × 4 RY250KUY1		
Power supply			VE: 1 Phase, 220–240/220 V, 50/60 Hz Y1: 3 Phase, 380–415 V, 50 Hz						
Cooling capacity ^{1a/1b}			kW	22.5/22.2	22.5/22.2	27.1/26.6			
			Btu/h	76,800/75,800	76,800/75,800	92,500/90,800			
			kcal/h	19,400/19,100	19,400/19,100	23,300/22,900			
Heating capacity ²			kW	22.7	22.7	28.4			
			Btu/h	77,500	77,500	97,000			
			kcal/h	19,500	19,500	24,400			
Power consumption		Cooling ^{1a/1b}	kW	7.7/7.6	7.7/7.6	9.7/9.7			
		Heating ²	kW	6.5	6.5	9.2			
Indoor unit ³	Colour		—						
	Airflow rate (H)		m ³ /min	13	18	18			
			cfm	458	635	635			
	Fan	External static pressure	Pa(mmH ₂ O)	20 (2)					
	Sound level (H) ⁴		dB(A)	41	43	43			
	Dimensions (H×W×D)		mm	260×900×580	260×1,300×580	260×1,300×580			
	Machine weight		kg	23	31	31			
	Certified operation range	Cooling	°CWB	14 to 25	14 to 25	14 to 25			
Heating		°CDB	15 to 27	15 to 27	15 to 27				
Outdoor unit	Colour		Ivory white						
	Compressor	Type	Hermetically sealed scroll type						
		Motor output	kW	5.5	5.5	9.0			
	Refrigerant charge (R-22)		kg	4.0 (Charged for 5 m)	4.0 (Charged for 5 m)	5.5 (Charged for 5 m)			
	Sound level (Cooling/Heating) ⁴		dB(A)	60/62	60/62	61/63			
	Dimensions (H×W×D)		mm	1,220×1,280×690	1,220×1,280×690	1,440×1,280×690			
	Machine weight		kg	180	180	206			
	Certified operation range	Cooling	°CDB	0 to 50					
Heating		°CWB	-10 to 15						
Piping connections	Liquid	mm	φ12.7 (Flare)	φ12.7 (Flare)	φ15.9 (Flare)				
	Gas	mm	φ25.4 (Flange)	φ25.4 (Flange)	φ28.6 (Flange)				
	Drain	Indoor unit	mm	3/4B					
		Outdoor unit	mm	—					
Max. interunit piping length			m	50 (equivalent length 70 m)					
Max. installation level difference			m	30					
Heat insulation			Both liquid and gas piping						

Indoor unit

CEILING MOUNTED CASSETTE TYPE

Name of option			Remark	Kit name			
				Cooling only		Heat pump	
				FHC35K/50K/60K FHYC35K/50K/60K/71K	FHYC100K/125K/140K	FHYC35K/50K/60K/71K	FHYC100K/125K/140K
Decoration panel			BYC125K-W1		BYC125K-W1		
Sealing member for air discharge outlet			KDBHJ55K160		KDBHJ55K160		
Panel spacer			KDBP55H160WA		KDBP55H160WA		
Fresh air intake kit ¹	Chamber type	Without the T-joint pipe and fan	KDDP55D160		KDDP55D160		
		With the T-joint pipe,without fan	KDDP55D160K		KDDP55D160K		
	Direct installation type		KDDJ55X160		KDDJ55X160		
Chamber connection kit ²			KKSJ55K160		KKSJ55K160		
High-efficiency filter	(Colorimetric method 65%)		KAFP556D80	KAFP556D160	KAFP556D80	KAFP556D160	
	(Colorimetric method 90%)		KAFP557D80	KAFP557D160	KAFP557D80	KAFP557D160	
Replacement high-efficiency filter	(Colorimetric method 65%)		KAFP552H80	KAFP552H160	KAFP552H80	KAFP552H160	
	(Colorimetric method 90%)		KAFP553H80	KAFP553H160	KAFP553H80	KAFP553H160	
High-efficiency filter chamber			KDDFP55D160		KDDFP55D160		
Replacement long-life filter			KAFJ551K160		KAFJ551K160		
Ultra long-life filter			KAFP55D160		KAFP55D160		
Replacement ultra long-life filter			KAFJ55K160H		KAFJ55K160H		
Branch duct chamber			KDJ55K80	KDJ55K160	KDJ55K80	KDJ55K160	
Remote controller	Wired type ³		BRC1C61		BRC1C61		
	Wireless type		BRC7C613W		BRC7C612W		
Wired LCD remote controller with weekly schedule timer			BRC1D61		BRC1D61		
Central remote controller ⁴			DCS302CA61		DCS302CA61		
Unified ON/OFF controller ⁴			DCS301BA61		DCS301BA61		
Schedule timer ⁴			DST301BA61		DST301BA61		
Intelligent Touch Controller ⁴			DCS601C51		DCS601C51		
Adaptor for wiring ⁵			KRP1BA57		KRP1BA57		
Wiring adaptor for electrical appendices ⁵			KRP4AA53		KRP4AA53		
Interface adaptor for SkyAir series			DTA102A52		DTA102A52		
Installation box for adaptor PCB			KRP1B98		KRP1B98		

Note:
¹Refer to page 14 for the details.
²Required for installing high-efficiency or ultra long-life filter.
³Wiring for wired remote controller to be procured locally.
⁴This optional accessory requires DTA102A52.
⁵Installation box for adaptor PCB (KRP1B98) is necessary.

CEILING SUSPENDED TYPE

Name of option	Remark	Kit name															
		Cooling only						Heat pump									
		FH(Y)35B	FH(Y)50B	FH(Y)60B	FHY71B	FHY100B	FHY125B	FHY35B	FHY50B	FHY60B	FHY71B	FHY100B	FHY125B				
Replacement long-life filter	Resin net	KAFJ501D56		KAFJ501D80		KAFJ501D112		KAFJ501D160		KAFJ501D56		KAFJ501D80		KAFJ501D112		KAFJ501D160	
Drain-up kit		KDU50B50VE		KDU50B71VE		KDU50B125VE				KDU50B50VE		KDU50B71VE		KDU50B125VE			
L-type piping kit (for upward direction)		KHFJ5F50	KHFJ5F60	KHFJ5F80	KHFJ5F160			KHFJ5F50	KHFJ5F60	KHFJ5F80	KHFJ5F160						
Remote controller	Wired type ¹	BRC1C61						BRC1C61									
	Wireless type	BRC7EA66						BRC7EA66									
Wired LCD remote controller with weekly schedule timer		BRC1D61						BRC1D61									
Central remote controller ²		DCS302CA61						DCS302CA61									
Unified ON/OFF controller ²		DCS301BA61						DCS301BA61									
Schedule timer ²		DST301BA61						DST301BA61									
Intelligent Touch Controller ²		DCS601C51						DCS601C51									
Adaptor for wiring		KRP1BA54						KRP1BA54									
Wiring adaptor for electrical appendices ³		KRP4AA52						KRP4AA52									
Interface adaptor for SkyAir series		DTA102A52						DTA102A52									
Installation box for adaptor PCB		KRP1CA93						KRP1CA93									

Note:
¹Wiring for wired remote controller to be procured locally.
²This optional accessory requires DTA102A52.
³Installation box for adaptor PCB (KRP1CA93) is necessary.

CEILING SUSPENDED CASSETTE TYPE

Name of option	Remark	Kit name			
		Cooling only		Heat pump	
		FUY71FJ	FUY100FJ/125FJ	FUY71FJ	FUY100FJ/125FJ
Replacement long-life filter		KAFJ495F140		KAFJ495F140	
Sealing member for air discharge outlet ¹		KDBHJ49F80	KDBHJ49F140	KDBHJ49F80	KDBHJ49F140
Decoration panel for air discharge		KDBTJ49F80	KDBTJ49F140	KDBTJ49F80	KDBTJ49F140
Vertical flap kit		KDGJ49F80	KDGJ49F140	KDGJ49F80	KDGJ49F140
L-connection piping kit		KHFJ49F80	KHFJ49F140	KHFJ49F80	KHFJ49F140
Remote controller	Wired type ²	BRC1C61		BRC1C61	
	Wireless type	BRC7C529W		BRC7C528W	
Wired LCD remote controller with weekly schedule timer		BRC1D61		BRC1D61	
Central remote controller ³		DCS302CA61		DCS302CA61	
Unified ON/OFF controller ³		DCS301BA61		DCS301BA61	
Schedule timer ³		DST301BA61		DST301BA61	
Intelligent Touch Controller ³		DCS601C51		DCS601C51	
Wiring adaptor for electrical appendices ⁴		KRP4AA53		KRP4AA53	
Interface adaptor for SkyAir series		DTA102A52		DTA102A52	
Installation box for adaptor PCB		KRP1B97		KRP1B97	

Note:
¹Required at time of installation for setting two-way opposing air flow.
²Wiring for wired remote controller to be procured locally.
³This optional accessory requires DTA102A52.
⁴Installation box for adaptor PCB (KRP1B97) is necessary.

CEILING MOUNTED CASSETTE CORNER TYPE

Name of option	Remark	Kit name			
		Cooling only		Heat pump	
		FHK35F/45F	FHK60F/FHYK71F	FHYK35FJ/45FJ	FHYK60FJ/71FJ
Decoration panel		BYK45FJW1	BYK71FJW1	BYK45FJW1	BYK71FJW1
Panel spacer		KPBJ52F56W	KPBJ52F80W	KPBJ52F56W	KPBJ52F80W
Air discharge blind panel		KDBJ52F56W	KDBJ52F80W	KDBJ52F56W	KDBJ52F80W
Replacement long-life filter	Resin net	KAFJ521F56	KAFJ521F80	KAFJ521F56	KAFJ521F80
Discharge grille		K-HV7AW	K-HV9AW	K-HV7AW	K-HV9AW
Flexible duct with shutter		KFDJ52F56	KFDJ52F80	KFDJ52F56	KFDJ52F80
Remote controller	Wired type ¹	BRC1C61		BRC1C61	
Wired LCD remote controller with weekly schedule timer		BRC1D61		BRC1D61	
Central remote controller ²		DCS302CA61		DCS302CA61	
Unified ON/OFF controller ²		DCS301BA61		DCS301BA61	
Schedule timer ²		DST301BA61		DST301BA61	
Intelligent Touch Controller ²		DCS601C51		DCS601C51	
Adaptor for wiring (interlock for fresh air intake fan)		KRP1B51		KRP1B51	
Wiring adaptor for electrical appendices		KRP4AA51		KRP4AA51	
Interface adaptor for SkyAir series		DTA102A52		DTA102A52	

Note: ¹Wiring for wired remote controller to be procured locally.
²This optional accessory requires DTA102A52.

CEILING MOUNTED BUILT-IN TYPE

Name of option	Remark	Kit name							
		Cooling only				Heat pump			
		FHB35F/45F	FHB60F/FHYB71F	FHYB100F	FHYB125F	FHYB35F/45F	FHYB60F/71F	FHYB100F	FHYB125F
Decoration panel		BYBS45DJW1	BYBS71DJW1	BYBS125DJW1		BYBS45DJW1	BYBS71DJW1	BYBS125DJW1	
Service access panel		KTBJ25K56W	KTBJ25K80W	KTBJ25K160W		KTBJ25K56W	KTBJ25K80W	KTBJ25K160W	
High-efficiency filter	(Colorimetric method 65%)	KAFJ252L56	KAFJ252L80	KAFJ252L160		KAFJ252L56	KAFJ252L80	KAFJ252L160	
	(Colorimetric method 90%)	KAFJ253L56	KAFJ253L80	KAFJ253L160		KAFJ253L56	KAFJ253L80	KAFJ253L160	
Replacement long-life filter	Resin net	KAFJ251K56	KAFJ251K80	KAFJ251K160		KAFJ251K56	KAFJ251K80	KAFJ251K160	
Filter chamber for bottom suction		KAJ25L56D	KAJ25L80D	KAJ25L160D		KAJ25L56D	KAJ25L80D	KAJ25L160D	
Filter chamber for rear suction		KAJ25L56B	KAJ25L80B	KAJ25L160B		KAJ25L56B	KAJ25L80B	KAJ25L160B	
Canvas duct		KSA-25K56	KSA-25K80	KSA-25K160		KSA-25K56	KSA-25K80	KSA-25K160	
Discharge grille	(ø 150)	K-DG4DW	K-DG5DW	K-DG4DW	K-DG5DW	K-DG4DW	K-DG5DW	K-DG4DW	K-DG5DW
	(ø 200)	K-DG7DW	K-DG9DW	K-DG7DW	K-DG9DW	K-DG7DW	K-DG9DW	K-DG7DW	K-DG9DW
	(ø 150)	K-DGC4D	K-DGC5D	K-DGC4D	K-DGC5D	K-DGC4D	K-DGC5D	K-DGC4D	K-DGC5D
Discharge chamber	(ø 200)	K-DGC7D	K-DGC9D	K-DGC7D	K-DGC9D	K-DGC7D	K-DGC9D	K-DGC7D	K-DGC9D
	ø 200 → ø 150	K-DDV20A				K-DDV20A			
Flexible duct	(ø 150)	K-FDS151D (1 m)	K-FDS152D (2 m)	K-FDS153D (3 m)	K-FDS153D (3 m)	K-FDS151D (1 m)	K-FDS152D (2 m)	K-FDS153D (3 m)	K-FDS153D (3 m)
	(ø 200)	K-FDS154D (4 m)	K-FDS155D (5 m)	K-FDS156D (6 m)	K-FDS156D (6 m)	K-FDS154D (4 m)	K-FDS155D (5 m)	K-FDS156D (6 m)	K-FDS156D (6 m)
		K-FDS201D (1 m)	K-FDS202D (2 m)	K-FDS203D (3 m)	K-FDS203D (3 m)	K-FDS201D (1 m)	K-FDS202D (2 m)	K-FDS203D (3 m)	K-FDS203D (3 m)
		K-FDS204D (4 m)	K-FDS205D (5 m)	K-FDS206D (6 m)	K-FDS206D (6 m)	K-FDS204D (4 m)	K-FDS205D (5 m)	K-FDS206D (6 m)	K-FDS206D (6 m)
Blind board		KBBJ25K56	KBBJ25K80	KBBJ25K160		KBBJ25K56	KBBJ25K80	KBBJ25K160	
Adaptor for discharge		KDAJ25K56	KDAJ25K71	KDAJ25K140		KDAJ25K56	KDAJ25K71	KDAJ25K140	
Flange for suction		KDJ2507K56	KDJ2507K80	KDJ2507K160		KDJ2507K56	KDJ2507K80	KDJ2507K160	
Remote controller	Wired type ¹	BRC1C61				BRC1C61			
Wired LCD remote controller with weekly schedule timer		BRC1D61				BRC1D61			
Central remote controller ²		DCS302CA61				DCS302CA61			
Unified ON/OFF controller ²		DCS301BA61				DCS301BA61			
Schedule timer ²		DST301BA61				DST301BA61			
Intelligent Touch Controller ²		DCS601C51				DCS601C51			
Adaptor for wiring (interlock for fresh air intake fan)		KRP1BA54				KRP1BA54			
Wiring adaptor for electrical appendices ³		KRP4AA51				KRP4AA51			
Interface adaptor for SkyAir series		DTA102A52				DTA102A52			