







Ceiling Mounted Cassette Type

⟨Round Flow⟩

Building on Daikin's signature Round Flow design to deliver greater comfort and energy efficiency.



Ceiling Suspended Type

Ceiling suspended indoor units cool the largest spaces without compromising wall space.



Wall Mounted Type

Sophisticated design delivers wide angle airflow and long throws for greater comfort.



Duct Connection Middle Static Pressure Type

Compact form factor with powerful features for ultimate design flexibility.



















Energy Saving

P.5

R-32

P.5

Durability

P.6

Compact

P.6

Reuse of **Existing Piping**

P.7-8

Quiet Operation

P.9

Smart Airflow Control

P.10

Design Flexibility

P.11

Convenient Functions

P.12

New Inverters launched



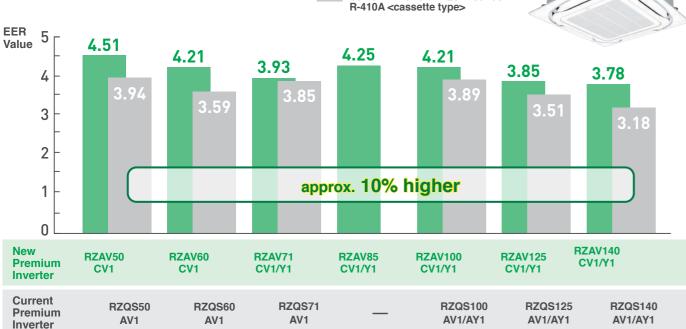
Energy Saving

- New premium inverter series achieved higher EER than current inverter series with latest Daikin technology.
- EER values by capacity for cassette models







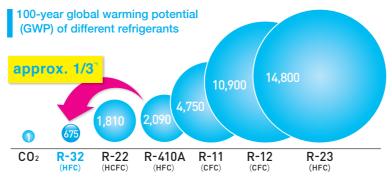


R-32

From R-410A to R-32, Another step towards lower global warming potential.

If you want a new HFC refrigerant with zero ozone depletion potential, which also has a lower global warming potential than R-410A, use R-32. Achieving new levels of energy efficiency while responding to environmental needs, Daikin has redesigned the SkyAir series from the ground up using R-32.





Durability

The outdoor operation range is now extended to 50°C. This enables reliable operation even under high temperature conditions, and wider choice of installation locations.



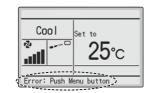
Coated printed circuit boards (outdoor unit)

Coated circuit boards prevent problems caused by humidity and airborne dust. It also protects against salt contained in sea breezes. Both sides of the PCB in outdoor units are coated.



Self-diagnosis functions enable prompt maintenance response

An error message appears on the LCD of the remote controller and an LED lights up on the unit. When the BRC1E63 is installed, the error code appears showing contact information and model name.





Compact

Compact size and lightweight

New outdoor units of 5.0kW and 6.0kW class are much more compact and lighter weight than current models. This enables easy installation in the places with limited space.



Smaller piping size

Piping size of new outdoor units of 5.0kW and 6.0kW class are smaller than current model. This enables easier piping work in the field.

	RZQS50/60AV1	RZAV50/60CV1
Liquid	ø 9.5 mm	ø 6.4 mm
Gas	ø 15.9 mm	ø 12.7 mm

Reuse of Existing Piping

The new RZAV & RZAC series now both feature R22 retrofit technology.*

*Previously unavailable on RZQ series

Benefit 1 Simplified installation reduces replacement time and cost

When considering the replacement of your air conditioning system, do the following concern you?

- The length of time your business will be interruped
- Effect on your existing tenants during the replacement work
- High costs and long work period due to scaffolding needed for pipe replacement





These problems are

solved by Daikin!

Where feasible, we reduce work costs and time by reusing existing pipes*.

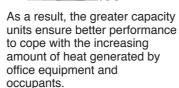
*Strict conditions must be adhered to, please refer to the installation manual and Engineering Data Book for further details including pipe sizes (if pipes are to be re-used)

Benefit 2 You can increase cooling capacity and achieve higher energy efficiency Upgrade to an air conditioner with the latest technology for greater comfort and energy efficiency.



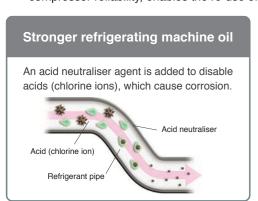


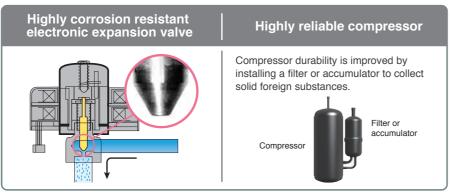




Technology

Advanced technology, including the use of corrosion resistant electronic expansion valves, acid neutralisers and improved compressor reliability, enables the re-use of existing piping* without the need of pipe flushing for a simplified replacement process.

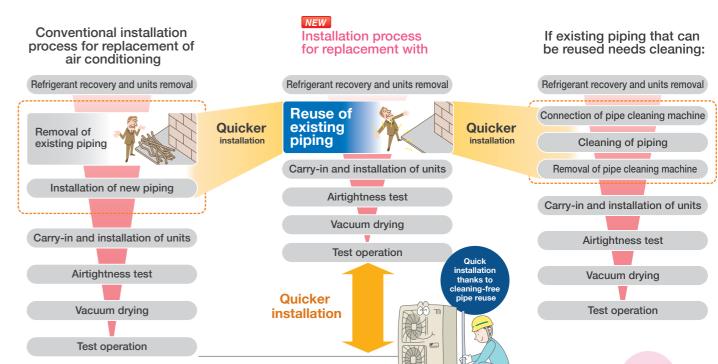




*Strict conditions must be adhered to, please refer to the installation manual and Engineering Data Book for further details including pipe sizes (if pipes are to be re-used)

Simplified Installation

Enables simplified air conditioner replacement with minimal impact on operations.



Particularly convenient in these circumstances

Reuse of Existing Piping: Refrigerant Pipe Size Table

- Pipes are buried and making new pipe installations difficult.
- Outdoor unit difficult to access.
- Multiple units are being upgraded at the same time.



★The allowable minimum piping length is 5 m.

· Refer to the installation manual for details other than those mentioned in the left table such as additional refrigerant charge

Clean the existing piping if existing piping length exceeds limit of chargeless piping

length to perform pump-down refrigerant

· Clean the existing piping if its length

exceeds 30m.

Outdoor U	nit	Existing pipe size (Liquid / Gas)	6.4 / 12.7		9.5 / 12.7		9.5 / 19.1		12.7 / 19.1		Design pressure (High pressure)
5744		Condition	0	0	Δ	Δ	×	×	×		
RZAV 50/60C	6.4 / 12.7	Max. piping length	50m	50m	25m	25m	_	_	_	Max. 30m	4.15MPa
		Chargeless pipng length	30m	30m	15m	15m	_	_	_		

Outdoor U	Init	Existing pipe size (Liquid / Gas)	6.4 / 12.7		9.5 / 12.7			12.7 / 15.9		Level difference	Design pressure (High pressure)
	Condition		A		0	0	Δ	Δ			
71-140C	9.5 / 15.9	Max. piping length	10m*	10m*	75m	75m	75m	35m	35m	Max. 30m	4.15MPa
71 1400		Chargeless pipng length	10m	10m	30m	30m	30m	15m	15m		

Outdoor U	nit	Existing pipe size (Liquid / Gas)	6.4 / 12.7		9.5 / 12.7					Level difference	Design pressure (High pressure)
	Condition	×	×	×	0	×	×	×			
RZAC 71-140C	9.5 / 15.9	Max. piping length	×	×	×	50m	×	×	×	Max. 30m	4.15MPa
71-140C		Chargeless pipng length	×	×	×	30m	×	×	×		

- Standard pipe size Same condition with standard pipe ▲ Piping length and chargeless piping length are much shortened X Reuse of existing piping is not allowed
- △ Piping length and chargeless piping length are shortened
- Cooilng capacity is lowered (pay attention to piping length)

Quiet Operation

Night quiet operation mode

Consideration is given for people living nearby.

Outdoor unit operating sound can be reduced.

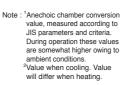


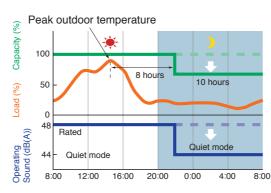


The automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

★ Reducing noise will reduce capacity slightly.

		Sound pressure	e level ¹ (dB(A))
		Rated ²	Night Quiet Mode
	RZAV50CV1	48	44
re	RZAV60CV1	48	44
wer	RZAV71CV1/CY1	48	44
Premium Inverter series	RZAV85CV1/CY1	52	48
min	RZAV100CV1/CY1	51	47
Pre	RZAV125CV1/CY1	52	48
	RZAV140CV1/CY1	56	52
	RZAC71CV1	48	44
i o	RZAC85CV1/CY1	51	47
Inverter series	RZAC100CV1/CY1	52	48
ق ق	RZAC125CV1/CY1	53	49
	RZAC140CV1/CY1	54	50



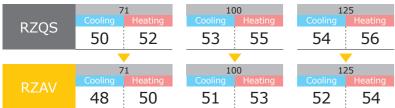


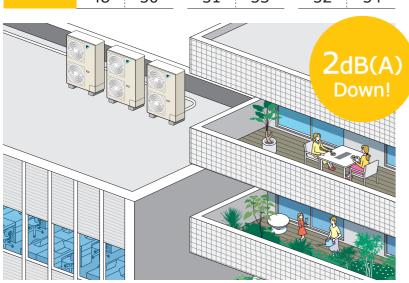
Note: Daikin data for RZAV71C

Operating sound about 4 dB quieter

Quieter operations for 71 to 125 class

Operation sound of outdoor unit from 7.1kW to 12.5kW class has reduced 2dB(A) compared to current model.





Smart Airflow Control

▶ Indoor units can provide 5-step and 3-step fine control of air volume

5-step: FCA and FHA series 3-step: FAA and FBA series

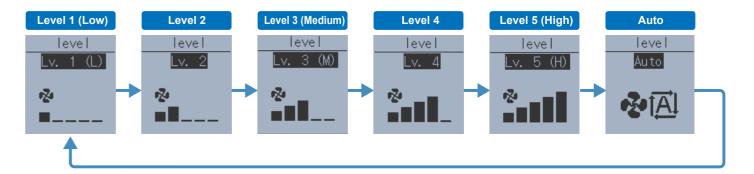
Comfort ensured by 'Auto' airflow rate that matches load level

Convenient energy-efficiency for stores with peak and quiet periods.

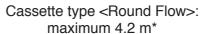


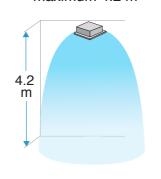


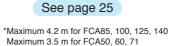
*Field setting with remote controller



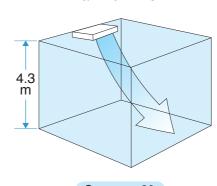
Also convenient for high ceilings and spaces with long throw distances







Ceiling suspended type: maximum 4.3 m

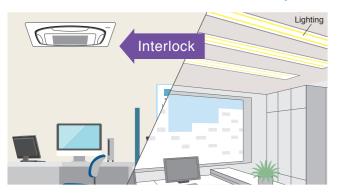


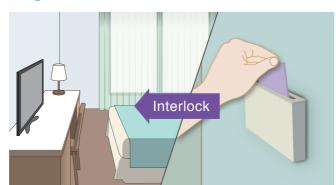
See page 30



Design Flexibility

▶ Possible to force OFF and ON/OFF operation using external command *Field setting with remote controller





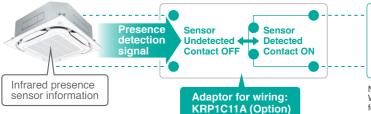
External equipment interlock (FCA series only)

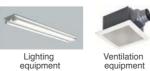
Power conservation is possible through interlock* of external equipment, such as lighting, with the infrared presence sensor.

Human presence is detected by the built-in infrared presence sensor in the sensing panel, and the presence detection signal can be output and interlocked with external equipment such as ventilation and lighting equipment.

*Optional adaptor for wiring: KRP1C11A is necessary.

The presence detection signal of the infrared presence sensor can turn only external equipment ON/OFF without interlocking with air conditioner operation/stop (ON/OFF).





External equipment also

natically turns ON/OFF. Further energy savings and power conservation

When the presence detection signal is output to external equipment using the adapter for wiring, other functions, such as interlock with the duct booster fan and the output

Indoor units comply with D □-Net standards



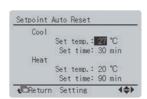
Convenient Functions

Navigation remote controller BRC1E63 includes various convenient functions

Automatic return to temperature preset by owner.

Setpoint auto reset

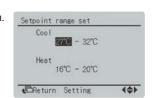
- Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.
- Period selectable from 30, 60, 90, or 120 minutes.



Owner can preset upper and lower temperatures.

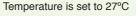
Setpoint range set

- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient if the remote controller is installed where anyone can change the



Restaurant example







Then is lowered to 24°C for crowded room

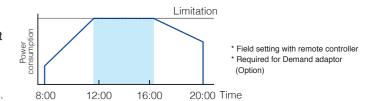


Demand control function

By setting limits that restrict power consumption, you can cut electricity bills.

- Power consumption is given first priority, and limits maximum power

Maximum power consumption can be set at 40, 60, 70, 80, or 100%.



Quick start function

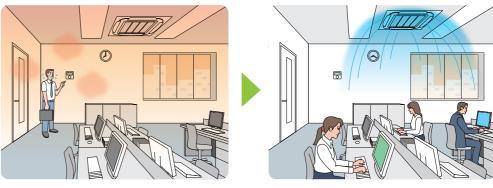
Gets the space to a comfortable temperature rapidly before the arrival of office workers or shop customers.

The airflow rate of indoor unit is automatically controlled, increasing the capacity of the outdoor unit and quickly bringing the room to a comfortable temperature.

This function will operate for a maximum of 30 minutes before the air conditioner automatically returns to normal operation.



BRC1E63 wired remote controller is used for 'Quick start'.







Premium Inverter	series	50	60	71		
CEILING MOUNTED CASSETTE TYPE (Round Flow)	O FLOW					
	Indoor unit		FCA60CAVMA	FCA71CAVMA		
	Outdoor unit	RZAV50CV1	RZAV60CV1	RZAV71CV1 RZAV71CY1		
CEILING SUSPENDED TYF	PE					
	Indoor unit	FHA50BAVMA	FHA60BAVMA	FHA71BVMA		
	Outdoor unit	RZAV50CV1	RZAV60CV1	RZAV71CV1 RZAV71CY1		
WALL MOUNTED TYPE						
	Indoor unit	FAA50BAVMA	FAA60BAVMA	FAA71 <mark>BVMA</mark>		
	Outdoor unit	RZAV50CV1	RZAV60CV1	RZAV71CV1 RZAV71CY1		
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE						
	Indoor unit	FBA50BAVMA	FBA60BAVMA	FBA71BVMA		
	Outdoor unit	RZAV50CV1	RZAV60CV1	RZAV71CV1 RZAV71CY1		
OUTDOOR UNIT	OUTDOOR UNIT					
	Outdoor unit	RZAV50CV1	RZAV60CV1	RZAV71CV1 RZAV71CY1		
	Power supply	1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz	1 phase, 220-240V, 50Hz 380-415V, 50Hz		

Inverter series	50	60	71
CEILING MOUNTED CASSETTE TYPE (Round Flow)			
Indoor unit			FCA71CAVMA
Outdoor unit			RZAC71CV1
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE			
Indoor unit			FBA71BVMA
Outdoor unit			RZAC71CV1
OUTDOOR UNIT			
Outdoor unit			RZAC71CV1
Power supply			1 phase, 220-240V, 50Hz

8	5	10	00	12	25	14	10	
FCA85CVMA		FCA100CVMA		FCA12	5CVMA	FCA140	OCVMA	Page 15
RZAV85CV1	RZAV85CY1	RZAV100CV1	RZAV100CY1	RZAV125CV1	RZAV125CY1	RZAV140CV1	RZAV140CY1	
	SBVMA RZAV85CY1	FHA10 RZAV100CV1	OBVMA BZAV100CY1		5BVMA RZAV125CY1	FHA140	OBVMA	Page 29
FAA85	5BVMA	FAA10	0BVMA					Page 31
RZAV85CV1	RZAV85CY1	RZAV100CV1	RZAV100CY1					
FBA85	5BVMA	FBA10	OBVMA	FBA12	5BVMA	FBA14	OBVMA	Page 33
RZAV85CV1	RZAV85CY1	RZAV100CV1	RZAV100CY1	RZAV125CV1	RZAV125CY1	RZAV140CV1	RZAV140CY1	
RZAV85CV1	RZAV85CY1	RZAV100CV1	RZAV100CY1	RZAV125CV1	RZAV125CY1	RZAV140CV1	RZAV140CY1	Page 35
1 phase, 220-240V, 50Hz	3 phase, 380-415V, 50Hz							

1 age	200	and the second	200		200	, it is	200	and the same of th
15	OCVMA	FCA14	FCA125CVMA		0CVMA	FCA10	5CVMA	FCA85
	RZAC140CY1	RZAC140CV1	RZAC125CY1	RZAC125CV1	RZAC100CY1	RZAC100CV1	RZAC85CY1	RZAC85CV1
Page 33							5BVMA RZAC85CY1	FBA89
Page 35	RZAC140CY1	RZAC140CV1	RZAC125CY1	RZAC125CV1	RZAC85CV1 RZAC85CY1 RZAC100CV1 RZAC100CY1		RZAC85CV1	
00	3 phase, 380-415V, 50Hz	1 phase, 220-240V, 50Hz	3 phase, 380-415V, 50Hz	1 phase, 220-240V, 50Hz	3 phase, 380-415V, 50Hz	1 phase, 220-240V, 50Hz	3 phase, 380-415V, 50Hz	1 phase, 220-240V, 50Hz

Cassette air conditioner with 360° uniform airflow sets the standard





Accessory required for indoor unit.





Panel Variations



Standard panel

with Sensing

(Fresh white)









Standard panel (Black)

Standard panel (Black)

Auto grille panel (Fresh white)

360° Airflow

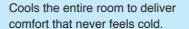
With uniform temperature distribution



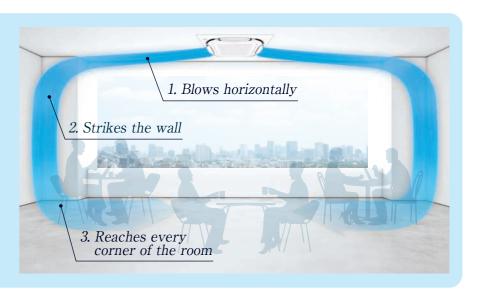
Airflow distribution creates uniform omfort throughout the space.

Room remains comfortable even when set temperature is raised 1°C.

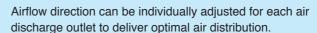
Circulation Airflow



The illustration shows typical airflow. Effectiveness may differ according to room conditions room size, and distance to walls.



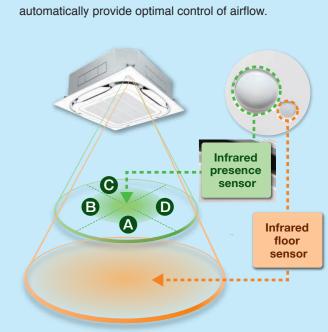
Individual Airflow Direction Control





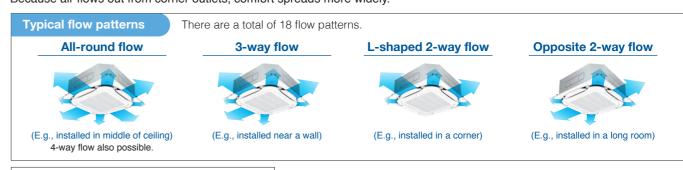
Sensing Technology

Dual sensors and individual airflow direction control



Selectable Airflow Pattern

Because air flows out from corner outlets, comfort spreads more widely.



of 500mm Required distance to 200mm for corner wall surface for closing closing air discharge outlet ♣ Wall surface

P.21

- Whatever the discharge direction, the same type of panel is used. If installing for other than all-round flow, an air discharge outlet sealing material (option) must be used to close each unused outlet.

- Operation sound increases when using 2-way or 3-way flow
- Designer panel cannot operate 2-way and 3-way flow.



Circulation Airflow Evenly Distributes Cool and Warm

*1. Applicable when wired remote controller BRC1E63 is used

Cassette movie at Daikin official YouTube site.

Cooling

Airflow until now had areas that were either too cool or not cool enough.



Problem 1

Hot outdoor air entering through windows and walls causes these areas to become hot.

Problem 2

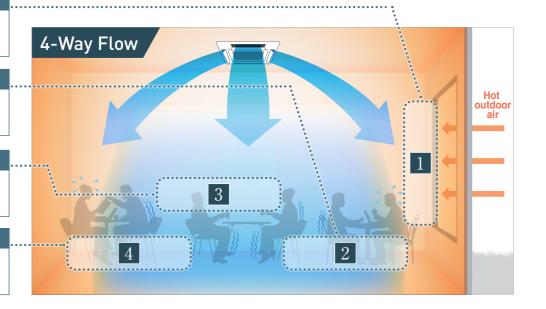
Cool air accumulating directly underneath causes cold air pockets at floor level.

Problem 3

Airflow blowing directly on people causes discomfort for people in the room.

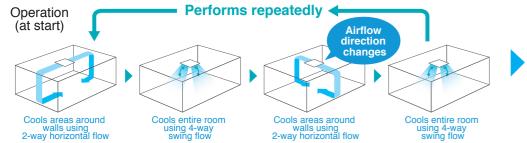
Problem 4

Quick descent of cool air causes insufficient cooling for corners of the room.





Configurations of Circulation Airflow (Cooling)



When the set temperature is reached. normal operation (all-round flow) begins

Results may vary depending on equipment conditions, room size, and distance from indoor unit to walls. Heating

Airflow until now did not warm areas at floor level or near windows and walls. (only downward flow)



Problem 1

Outdoor air entering through windows and walls causes areas near windows and walls to be cold.

Problem 2

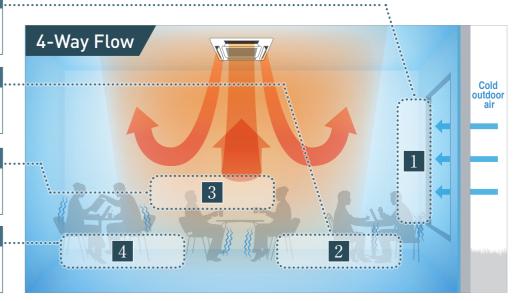
Warm air does not reach floor level, and areas at floor level remain cold.

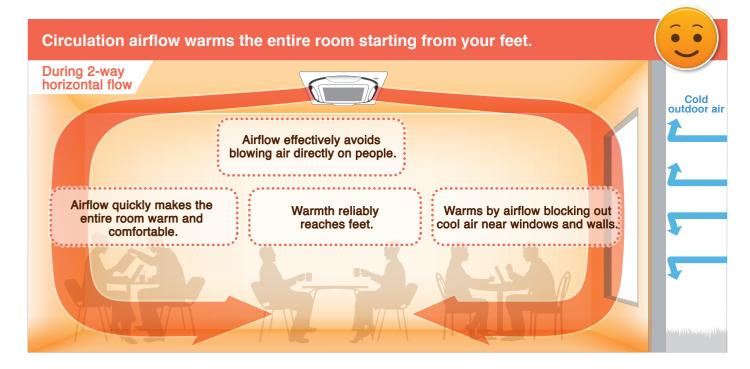
Problem 3

Warm air blowing directly on people causes discomfort from air conditioner.

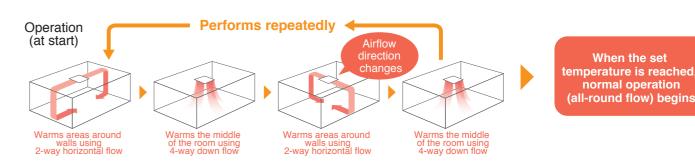
Problem 4

Room is slow to get warm because warm air does not reach to all corners.





Configurations of Circulation Airflow (Heating)



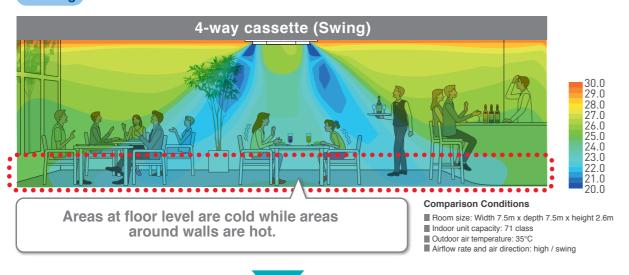
Circulation Airflow Evenly Distributes Cool and Warm

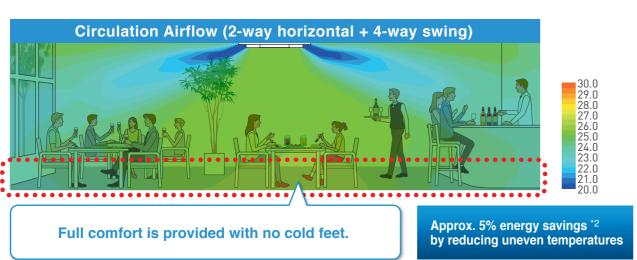
*1. Applicable when wired remote controller BRC1E63 is used.

Cassette movie a Daikin official YouTube site.

Comfort to the Entire Room with Even Temperatures and No Cold Air Pockets at Floor Level

Cooling

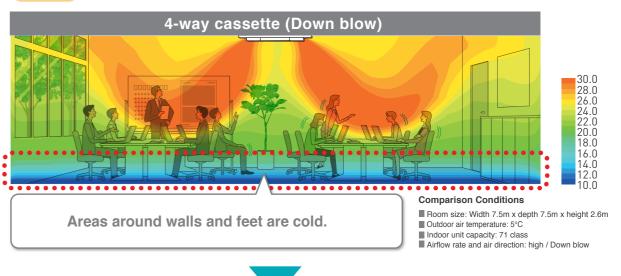


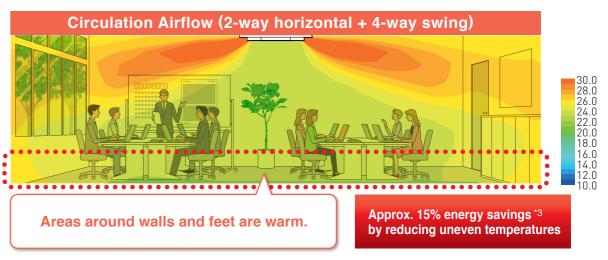


^{*2.}Calculated under the following comparison conditions: When the average temperature at a height of 0.6m above the floor reaches set temperature. (26°C)

Comfort to the Entire Room with Even Temperatures and Warmth Reaches Feet

Heating



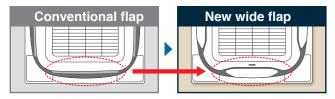


^{*3.}Calculated under the following comparison conditions: When the average temperature at a height of 0.6m above the floor reaches set temperature. (22°C)

Three Technologies That Achieved Circulation Airflow

Use of new wide flaps (Straight)

With new, larger flaps, a straighter trajectory for airflow was achieved.



New wide flap construction inhibits ceiling dirt and grime.

By tapering both flap ends, the airflow that causes dirty ceilings is directed downward.



Optimizing airflow angle (Horizontally) The airflow angle was made more horizontal.



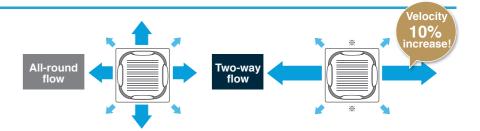


3 Increased velocity in 2-way flow (Strongly)

Airflow velocity is increased by up to 10% during 2-way flow.

- When using group control other than round flow.

*.Other 2 outlets are controlled by changing the flap direction (angle) to suppress airflow volume.

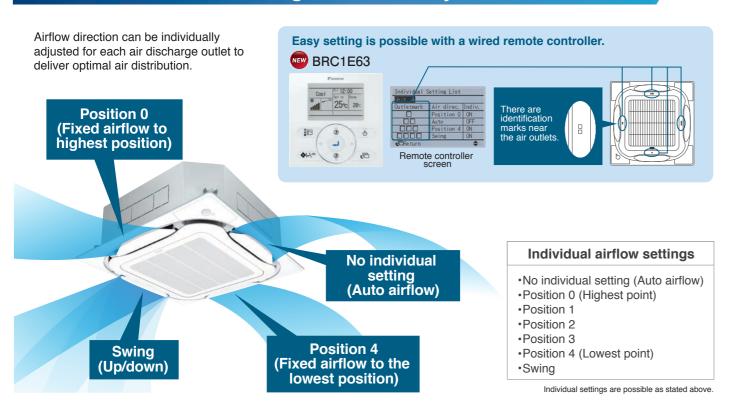


Things to remember when using circulation airf	_	stallation cond	litions	[Table 1] Distance to v	wall from indoor	unit
Effectiveness may differ according to room conditions, room size, and distance to walls.		Г	Round flow	Indoor unit capacity	FCA50-71	FCA85-14
Airflow operation differs when using the designer panel. (Operation repeatedly switches from 3-way horizontal flow to 4-way downward flow [swing] to	face	Distance	Minimum distance between	Distance range	1.5-5m	1.5-7m
2-way horizontal flow to 4-way downward flow [swing].) • Circulation airflow functions during connection with wired remote controller.	all sur	to wall [Table 1]	indoor units [Table 2]	[Table 2] Minimum dis	stance between	indoor units
(BRC1E63). However, use is not possible for the following conditions: - When a sealing material of air discharge outlet and branch ducts are used:	< 		1.8m or more above floor surface	Indoor unit capacity	FCA50-71	FCA85-14
When individual airflow setting is selected:			1.121.22.1400	Distance	5m or more	7m or more

Individual Airflow Direction Control *1

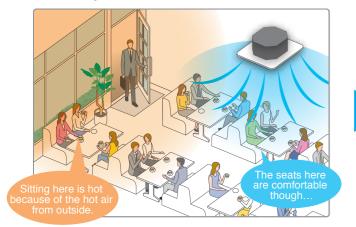
*1. Applicable when wired remote controller BRC1E63 is used.

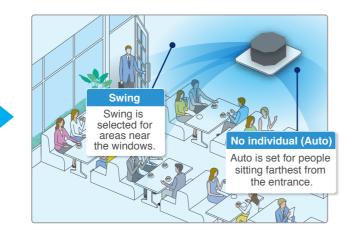
Comfortable air conditioning for all room layouts and conditions



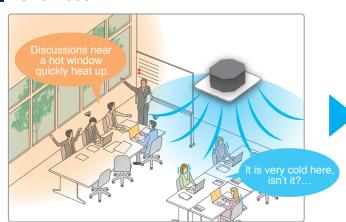
When individual airflow is selected, airflow direction can be adjusted to room layout.

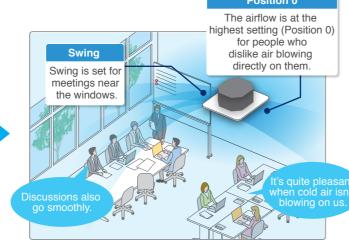
For shops and restaurant





For offices



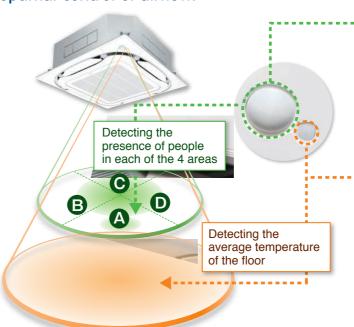


Daikin Sensing Technology *1,2

New Round Flow Casse movie at Daikin official YouTube site.

Dual Sensors*2

Dual sensors and individual airflow direction control automatically provide optimal control of airflow.



Infrared presence sensor

The sensor detects the presence of people in each of the 4 areas

Ceiling height	2.7m	3.5m	4.0m
Detection range (diameter)*3	approx.	approx.	approx.
	8.5m	11.5m	13.5m

Infrared floor sensor

The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

Ceiling height	2.7m	3.5m	4.0m
Detection range (diameter)*4	approx.	approx.	approx.
	11m	14m	16m

^{*4.} The infrared floor sensor detects at the floor surface.

Auto Airflow Functions*5

*5. Airflow direction should be set to "Auto".

Direct Airflow (default: OFF) Cooling

Dry

When human presence is detected



Optimal air direction by "Auto"

• When presence is detected, air direction is set to "Swing (narrow)" to deliver cool air to users.

When human presence is detected

• With "Auto" airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

Draft prevention (default: OFF) Heating

When human presence is not detected

When human presence is not detected

Optimal air direction by "Auto"

Optimal air direction by "Auto"

- With "Auto" airflow direction mode, flaps are controlled to deliver optimal airflow when the room is unoccupied.

Optimal air direction by "Auto" Blown horizontally

- When presence is detected, drafts are prevented by making the flap horizontal.
- When human is not detected for 5 minutes, the unit automatically returns to controlling the flaps for an unoccupied room.

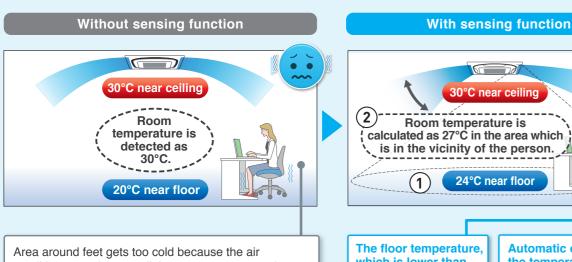
Daikin Sensing Technology*1,2

- *1. Applicable when sensing panel (BYCQ125EEF/EEK) is installed.
- *2. Applicable when wired remote controller BRC1E63 is used.

Comfort and Energy Saving Preventing Overcooling / Overheating*3

*3.Airflow direction and airflow rate should be set to "Auto".

Floor temperature is detected and overcooling prevented. Cooling



Area around feet gets too cold because the air conditioner continues until the temperature near the ceiling reaches the set temperature.

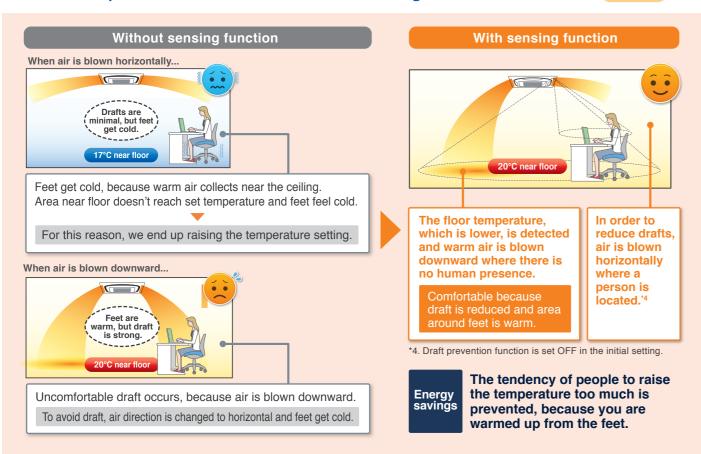
The floor temperature, which is lower than near the ceiling, is detected.

Automatic control using the temperature near the person as the room temperature.

Energy savings

The temperature near the person is automatically calculated by detecting the temperature of the floor. Energy is saved because the area around the feet does not get too cold.

> Feet are kept warm and comfortable while reducing uncomfortable drafts. Heating



To increase comfort, Auto airflow rate mode controls the airflow in accordance with the difference between floor and ceiling temperatures.

When there is a large difference between the ceiling and floor temperatures, the airflow rate is automatically increased. When the difference becomes small, the airflow rate is automatically reduced.

Sensing Sensor Functions*5.6

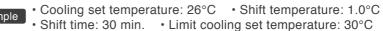
*5. These functions are not available when using the group control system.
*6. User can set these functions with remote controller.

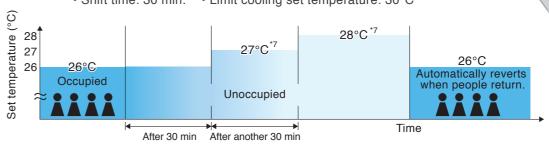
Sensing sensor low mode (default: OFF)

When there are no people in a room, the set temperature is shifted automatically.

 The system automatically saves energy by detecting whether or not the room is occupied. The set temperature is shifted automatically if the room is unoccupied.

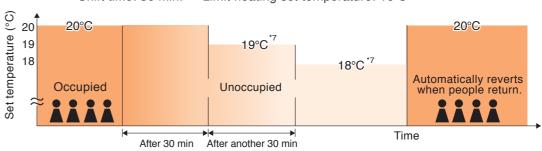






If people do not return, the air conditioner will raise the set temperature 1°C every 30 minutes and then operate at 30°C.

• Heating set temperature: 20°C • Shift temperature: 1.0°C • Shift time: 30 min. • Limit heating set temperature: 16°C



If people do not return, the air conditioner will lower the set temperature 1°C every 30 minutes and then operate at 16°C

Shift temperature and time can be selected from 0.5 to 4°C in 0.5°C increments and 15, 30, 45, 60, 90 or 120 minutes respectively with remote controller.

Sensing sensor stop mode (default: OFF)

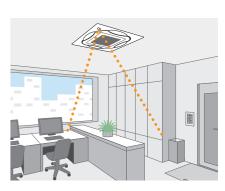
When there are no people in a room, the system stops automatically.'8,9

- The system automatically saves energy by detecting whether or not the room is occupied.
- Based on preset user conditions, the system automatically stops operation if the room is unoccupied.

Absent stop time can be selected from 1 to 24 hrs in 1 hr increments with remote controller.

*8.Please note that upon re-entering the room, the air conditioner will not switch on automatically

*9.To protect the machine, the standby system may operate temporarily.



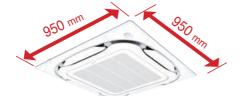
^{*7.} On basic screen of remote controller, set temperature does not change.

Comfort

Unified square panels

installed in the same room.

Panel size is the same for all models. It is easy to maintain a neat appearance when multiple units are



Same for all models

Optimal comfort and convenience assured by 3 air discharge modes

Air direction	Standard setting ¹	Draft prevention setting (field setting)	Ceiling soiling prevention setting² (field setting)						
Desired situation	For gentle drafts.	When drafts are unwanted.	For shops with light coloured ceilings that must be kept spotless.						
Auto-swing									
5-level air direction setting									
Draft prevention (In heating mode)		At heating startup and thermo OFF, air discharge is automatically set to a near horizontal to prevent direct exposure to cool air drafts.							
Auto air direction control		The air direction is set automatically position of the previous air direction.							

¹Air direction is set to the standard position when the unit is shipped from the factory. The position can be changed from the remote

dB(A)

²Closing of the corner discharge outlets is

Switchable fan speed: 5 steps and Auto

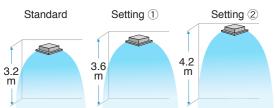
Control of airflow rate has been improved from 3-step to 5-step. Auto airflow rate is newly available.

Ouiet operation

_					- ()
Indoor unit		So	und pressu	re level	
Indoor unit	Н	НМ	М	ML	L
50-71CA	37.0	36.0	34.0	31.0	27.5
85/100C	45.0	42.0	39.0	36.5	34.0
125/140C	46.0	43.5	41.0	38.5	36.0

Suitable for high ceilings

Even in spaces with high ceilings, a comfortable airflow is carried down to the floor level.



When all round flow is selected, ceilings up to 4.2 m in height can be accommodated. (85-140C)

■ Criteria for ceiling height and number of air discharge outlets (Ceiling height is reference value)

		Number of air discharge outlets used									
			50-7	1CA		85-140C					
		All round flow	4-way flow	3-way flow	2-way flow	All round flow	4-way flow	3-way flow	2-way flow		
Ceiling height	Standard	2.7 m	3.1 m	3.0 m	3.5 m	3.2 m	3.4 m	3.6 m	4.2 m		
	High ceiling ①	3.0 m	3.4 m	3.3 m	3.8 m	3.6 m	3.9 m	4.0 m	4.2 m		
	High ceiling ②	3.5 m	4.0 m	3.5 m	_	4.2 m	4.5 m	4.2 m	_		

- •The aforementioned is for standard panels. See the installation manual for designer panels
- Factory settings are for standard ceiling height and all-round flow.

 *High ceiling settings (1) and (2) are set with the remote controller by field setting.
- · High-efficiency filters are not available for high ceiling applications.

Cleanliness

Silver ion anti-bacterial drain pan

A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause odours and clogging. (The lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)





Non-flocking flaps

Flaps can be detached without use of tools.

Condensation does not easily form and dirt does not cling to non-flocking flaps. They are easy to clean.



Filter has anti-mould and antibacterial treatment

Prevents mould and microorganisms growing out of the dust and moisture that adheres to the filters.

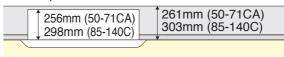
Quick and Easy Installation

Lightweight

All models can be installed without using a lifter.

Installable in tight ceiling spaces

Standard panel



Auto grille pane

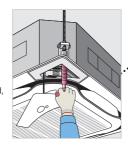
Auto grillo parior	
256mm 298mm	261mm 303mm +55mm*1
¥ 5511111	T

*1.Body height (ceiling required space) is 55 mm higher than standard panel. *When the ceiling space is limited, an optional panel spacer is available.

Easy height adjustment

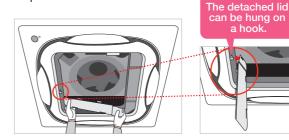
Each corner of the unit has an adjuster pocket that lets you easily adjust the unit's suspended height.

If the wireless remote controller is installed, a signal receiver unit is housed in one of the adjuster pockets.



Temporary placement of control box lid

Because the control box lid can be temporarily hund on the unit, there is no need to climb down the stepladder to retrieve it.



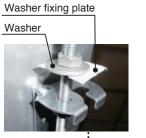
Since the orientation of the suction grille can be

Installed in any direction

adjusted after installing, the direction of the suction grille lines can be unified when multiple units are installed.

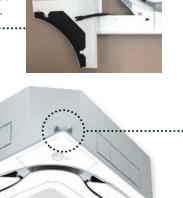
Easy hanging

Washer fixing plates secure washers in place and prevent washers from falling for easy installation.



Easy removal of corner cover

It is possible to easily remove without use of screws or tools.



Ease in temporary hanging

of decoration panel In addition to the temporary

hanging fixtures in 2 places normally used, corner part mounting fixtures in 4 places are provided.

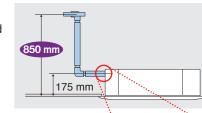


fixtures (in 4 places)

Temporary hanging

Drain pump

Equipped as standard accessory with 850 mm lift.

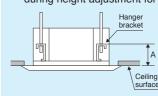


Transparent drain socket



Hanging height adjustment

Because the configuration of the hanger bracket changed, the dimensions from the ceiling to the hanger bracket also change during height adjustment for indoor unit.



	A Dimensions
Standard panel	125-130mm
Chamber option*+ standard panel	175-180mm
Auto grille panel	180-185mm
*High-efficiency filter ultra long	-life filter and

Easy Maintenance

Condition of the drain pan and drain water

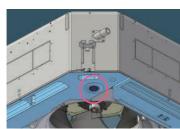
Can be checked by removing the suction grille and drain plug.

Note: For inquiries concerning auto grille panel installations, please contact your local dealer or Daikin representative.



24 mm diameter drain outlet

The drain outlet allows insertion of a finger or dental mirror for inspection of the internal cleanliness of the drain pan. Removal of the suction panel enables access.



Ultra long-life filter (option)

Maintenance is not required in normal shops or offices for up to four years.

Low gas pressure detection



Auto grille panel (option)

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

A dedicated remote controller for the auto grille panel (BRC16A2) is included. Operation is not possible using BRC1E63.

The drop length corresponds to ceiling height and can be set for 8 different levels.

Ceiling Height Standard (m)	Drop Length
2.4	1.2
2.7	1.6
3.0	2.0
3.5	2.4
3.8	2.8
4.2	3.1
4.5	3.5
5.0*	3.9

*Airflow range is up to 4.5m. Please refer to "criteria for ceiling height and number of air discharge outlets" on

Options

Options required for specific operating environments

Ultra long-life filter unit

Even in dusty environments where the air conditioning is constantly operating, the ultra long-life filter only has to be cleaned once a year.



Dusty area: annual filter change

*For dust concentration of 0.3 mg/m³ (Requires separately sold Air purifier.) 1 year (Approx. 5,000 hr) ≒15 hr/day x 28 day/month x 12 month/year

Ordinary store or office: filter change every 4 years

*For dust concentration of 0.15 mg/m³ 4 years (Approx. 10,000 hr) $\stackrel{\Leftarrow}{=}$ 8 hr/day x 25 day/month x 12 month/years x 4 years

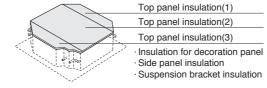
High-efficiency filter unit

Available in two types: 65% and 90% colorimetry.



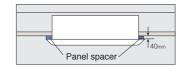
Insulation kit for high humidity

Please use if you think the temperature and humidity inside the ceiling exceeds 30°C and RH 80%, respectively.



Panel spacer

Use when only minimal space is available between drop ceilings and ceiling slabs.



Note: Some ceiling constructions may hinder installation. Contact your Daikin Dealer before installing your unit.

Sealing material of air discharge outlet

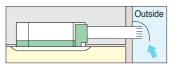
Sealing material block air discharge openings not used in 2-way or 3-way blow.

Branch duct chamber

This chamber lets you connect a round flexible duct to the air discharge opening at any time after the original installation.

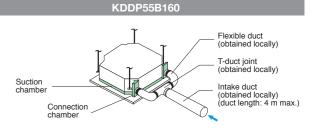
Fresh air intake kit Note 1.2

Using this kit, a duct can be connected to take in outdoor air. There are two chamber types that have intake in two places: with T-duct joint and without T-duct joint.

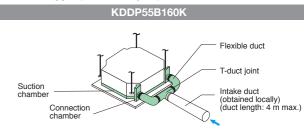


The units can be installed in the following different ways

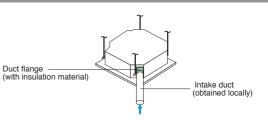
Chamber type (without T-duct joint) Note 3.4.5



Chamber type (with T-duct joint) Note 3.4.5



Direct installation type Note 6



Note: 1. Use of options will increase operating sound.

- 2. Connecting ducts, fan, insect nets, fire dampers, air filters, and other parts should, as required, be obtained locally.
- 3. When a local-obtained fan is used, an interlock with air conditioner is necessary. Optional PCB (KRP1C11A) is required for
- 4. When installing a fresh air intake kit (chamber type), two air outlet corners are closed
- 5. 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 sound and may also influence temperature sensing.
- 6. The volume of fresh air for direct installation type is approximately 1% of the indoor unit airflow

The chamber type is recommended when more fresh air is necessary.

Comfortable airflow travels throughout the room





Option

Accessory required for indoor unit.





Stylish Model

Sophisticated design Flap neatly closes when not in use.

White colour



Comfort

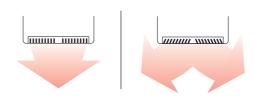
The technology

DC fan motor, wide sirocco fan, and large heat exchanger combine for greater airflow and quiet operation.

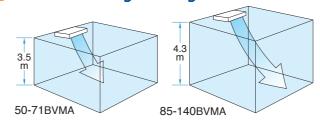
Auto swing (up and down) and louvers (left and right by hand)

Bring comfort to the room.

Louver manually adjusts for straight or wide angle airflow



Suitable for high ceilings



	50-71B(A)	85/100B	125/140B
Standard	2.7m or less	3.8m or less	4.3m or less
High ceiling	2.7m-3.5m	3.8m-4.3m	_
High ceiling	2.7m-3.5m	3.8m-4.3m	

Note: Factory settings is "standard".

"High ceiling" are set with remote controller by field setting.

Switchable fan speed: 5 steps and Auto

Control of airflow rate has been improved from 3-step to 5-step. Auto airflow rate is newly available.

Quiet Operation

dB(A)

Sound pressure level									
Н	HM	М	ML	L					
37.0	36.0	35.0	33.5	32.0					
38.0	37.0	36.0	35.0	34.0					
42.0	40.0	38.0	36.0	34.0					
44.0	42.5	41.0	39.0	37.0					
46.0	44.0	42.0	40.0	38.0					
	37.0 38.0 42.0 44.0	H HM 37.0 36.0 38.0 37.0 42.0 40.0 44.0 42.5	H HM M 37.0 36.0 35.0 38.0 37.0 36.0 42.0 40.0 38.0 44.0 42.5 41.0	H HM M ML 37.0 36.0 35.0 33.5 38.0 37.0 36.0 35.0 42.0 40.0 38.0 36.0 44.0 42.5 41.0 39.0					

Installation Flexibility for Freedom of Design

Flexible installation

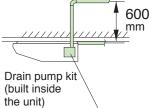
The unit fits more snugly into tight spaces.



*Water used in the test-run can be drained from the air discharge opening rather than from the side as was formerly the case.

Drain pump kit (option) can be easily incorporated

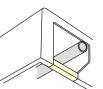
Drain pipe connection can be done inside the unit. Refrigerant and drain pipe outlets are at the same opening.



DIII-NET communication standard

Connection to a centralised control system is available without need for an optional adaptor.

- All wiring and internal servicing can be done from under the unit
- The rear side removable frame allows ease of access for piping work



Easy Maintenance

Drain pump kit (option) includes a silver ion antibacterial agent

That assists in preventing the growth of slime, bacteria, and mould that cause odours and clogging.

Non-flocking flap

Condensation does not easily form and dirt does not cling to non-flocking flap.

It is easy to clean. Non-flocking flap



Easy-clean, flat surfaces

It is easy to wipe dirt off the flat side and lower surfaces of the unit.

Oil Resistant Grille

Oil-resistant plastic is used for the air suction grille.

This satisfies durability in restaurants and other similar environments.

Note: Intended for use in salons, dining rooms, and ordinary sales floors, this specification is not suitable for kitchens or other harsh environments.

Compact design and easy installation

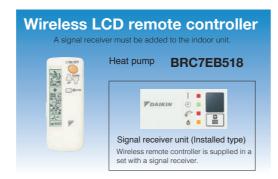




Option

Accessory required for indoor unit.





Compact & Sophisticated Design

Flaps neatly close
When not in use.

Fresh white colour



Maintenance possible from the

front of the unit

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

Drain pump kit is available as option

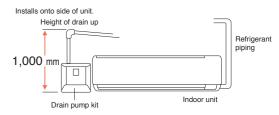
Design and Installation Flexibility

• 6-direction refrigerant

piping offers greater

installation

flexibility



Drain pump kit can be installed on either left and right side of the indoor unit.



Back-left pipe

Back-right pipe

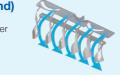
Comfort

Auto swing (up and down) and wide-angle louvers (left and right by hand)

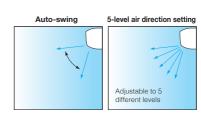
facilitate even room temperature.

Wide-angle louvers (by hand)

Soft material louver bends airflow ove a wider area

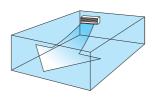


 An air discharge modes ensure comfortable air distribution across the entire room



Occupied the composition of the

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 by field setting.



Switchable fan speed: 3 steps and Auto

"Auto" is applicable when BRC1E63 is used.

Programme "Dry"

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

Interlock control

As an energy saving feature, the room air conditioning unit can be interlocked with the key card system.

Using a 3rd-party building management system, air conditioning and lighting can be interlocked.

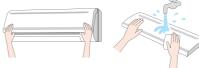


DIII-NET communication standard

Connection to a centralised control system is available without need for an optional adaptor.

Easy Cleaning

Removable and washable grille



Flat panel, easy to wipe dust off

Non-flocking flaps

Condensation does not easily form and dirt does not cling to non-flocking flaps.

It is easy to clean.

Thinner design allows greater installation flexibility





Option

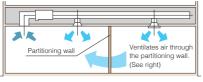
Accessory required for indoor unit.

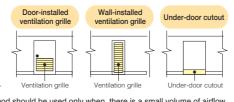




Simultaneous air conditioning of two rooms and ventilation grille (ventilation opening)

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.

Design and Installation Flexibility

Only 245 mm high

Installation is possible even in buildings with narrow ceiling spaces.



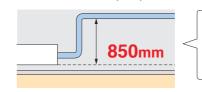


One of the industry's most compact bodies in the mid-static pressure range.

Indoor unit	50/60BA 71B 85/100/125/140							
Height (mm)	245							
Width (mm)	1,0	000	1,400					
Depth (mm)	800							

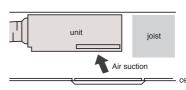
Higher lift is realized

A built-in DC drain pump with standard accessory is utilised.



Bottom suction is available

Wiring and servicing can be done from the underside of the unit (an option part required).



Rear suction

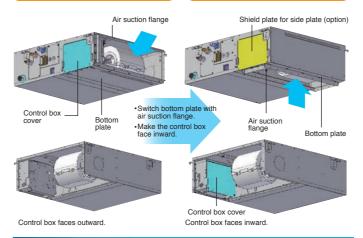
Bottom suction

Middle & High static

pressure type

(FBQ-D series)

700mm



Comfort

Switchable fan speed: 3 steps and Auto "Auto" is applicable when BRC1E63 is used.

Clean

Silver ion anti-bacterial drain pan

A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause odours and clogging.

(The lifespan of a silver ion cartridge depends on the usage environment, but should be changed once every two to three years.)





Adjustable E.S.P.

External static pressure can be controlled to within a range of 50 Pa to 150 Pa by using a DC fan motor.

50 Pa 150 Pa

Set to low static pressure when ducts are short.

Set to high static pressure for advanced needs such as when using dampers and long ducts.

Comfort airflow is achieved in accordance with conditions such as duct length.

Airflow rate auto adjustment function

Controls the airflow rate using a remote controller during test run.

It is automatically adjusted to approximately $\pm 10\%$ of the rated H tap airflow.

Interlock control

As an energy saving feature, the room air conditioning unit can be interlocked with the hotel key card system.
Using a 3rd-party building management system, air conditioning and lighting can be interlocked.



* Field setting with remote controller

34

DIII-NET communication standard

Connection to a centralised control system is available without need for an optional adaptor.

Easy Maintenance

Position of drain pan inspection opening Modified for easier inspection work.

Drain pan maintenance check window

This makes it possible to inspect for drain pan dirt and to confirm drainage during installation without the use of



High Efficiency

DC fan motor and DC drain pump

These are utilised to improve energy efficiency.

Outdoor unit



NEW

NEW







RZAV100CV1/Y1

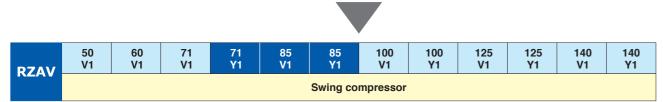
RZAV125CV1/Y1

RZAV140CV1/Y1

RZAC140CV1/Y1

Wider product range featuring swing compressor technology

DZOS	50 V1	60 V1	71 V1	 	 100 V1	100 Y1	125 V1	125 Y1	140 V1	140 Y1
KZŲS	Swir	ng compre	ssor	N000000N			Scroll co	mpressor		



RZQ	 	71 V1	 	 100 V1	 125 V1	125 Y1	140 V1	140 Y1
1129	 	Swing comp.		Swing comp.		Scroll co	mpressor	

RZAC			71 V1	 85 V1	85 Y1	100 V1	100 Y1	125 V1	125 Y1	140 V1	140 Y1
			Swing comp.				Swing co	mpressor			

- New 85 class available in single phase & three phase models.
- To better suit commercial product requirements, Daikin has expanded the 3 phase product range from 71 to 140 class.*
- Benefits of utilising 3 phase models over single phase models include lower minimum circuit amps, allowing for smaller gauge wires therefore reducing installation costs. Furthermore on site electrical load balancing is not required.

Benefit of swing compressor

New swing compressors are more energy efficient than previous scroll compressors, in particular during part load operation.



Swing compressor can operate lower minimum capacity compared to scroll compressor.

This makes new RZAV series higher efficiency than RZQS series.

Comparison of minimum capacity (cooling)

		50	60	71	100	125	140
	RZQS (kW)		3.2		5.0	5.7	6.2
NEW	RZAV (kW)	1.	.4	3.2	5.0	5.	.0

Longer max. piping length

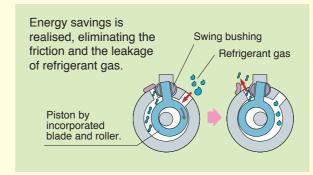
1 In RZAV series, max. piping length of the 71 class is increased from 50m to 75m.

		50	60	71	100	125	140
	RZQS (m)		50			75	
NEW	RZAV (m)	5	0	75		75	

Technology for energy efficiency

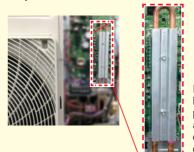


High efficiency during partial load operation.

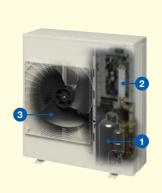


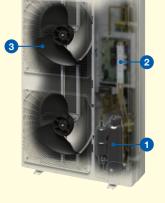
2 Refrigerant cooling (RZAV71-140C, RZAC85-140C)

Daikin's unique refrigerant cooling system exhibits high cooling capacity even during high outdoor temperatures.



Refrigerant cooling helps protect the printed circuit board and maintains high cooling capacity even during high outdoor

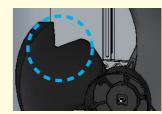




3 Fan

V-cut Propeller Fan (RZAV50/60C, RZAC71C)

Through use of a V-cut propeller fan that imitates the efficiency of the swan, a migratory bird, airflow becomes smooth and loss is reduced.







Imitating the performance of the swan

^{*}RZAV 3 phase models range from 71-140 class and RZAC 3 phase models range from 85-140 class.

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 Remote Controller "Nav Ease"





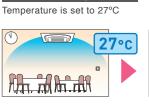
This simple, modern designed remote controller with fresh white colour matches your interior design. Operation is much easier and smoother, just follow the indications on the navigation remote controller.

Energy saving

Setpoint auto reset

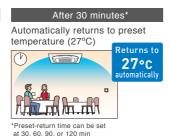
- Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time.
- Period selectable from 30, 60, 90, or 120 min.

Restaurant example



Restaurant opened



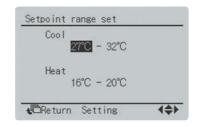


OFF timer (programmed)

- Sets and saves setting for an increment of time that automatically turns OFF air conditioner after a preset period of time for each time operation starts.
- Period can be preset from 30 to 180 minutes in 10-minute increments.

Setpoint range set

- Saves energy by limiting the min. and max. set temperature.
- Avoids excessive heating or cooling.
- This function is convenient if the remote controller is installed where anyone can change the settings.



Time Act Cool Heat 8:30 ON 25°C 10:00 OFF --°C --°C 13:00 ON 25°C 15:00 OFF --°C --°C

Convenience

NEW 5-step airflow control

- The number of airflow steps depends on the type of indoor unit.

5-step control applies to FCF and FHA series.

Energy consumption monitoring *1,2,3,4

- Past power consumption for the current and previous days (2-hour intervals), week (1-day intervals), and year (1-month intervals) can be checked.

Availability of this function may vary according to model (limited to partial functionality)

²Time setting is necessary

"3This function cannot be used during group control.

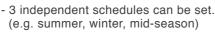
'4This is a reference value for comparison and is not intended as a value for investigation purposes in the calculation of electricity bills or contract for electricity. Because it is a simple calculation of power consumption, there are cases when the calculated value differs with the measurement results of a wattmeter

Setback (default: OFF)

- Maintains the room temperature in a specific range during unoccupied periods by temporarily starting an air conditioner that had been turned OFF.

Weekly schedule

- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as holiday.



NEW Auto display off

- While operation is stopping, LCD display can be turned OFF. It will be displayed again if any button is pressed.
- Period can be preset from 10, 30, 60 minutes, and OFF. Initial setting is 30 minutes.

Convenience

Weekly schedule

1) 8:30 ON

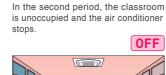
- 5 actions per day can be scheduled for each day of the week.
- The holiday function will disable schedule timer for the days that have been set as

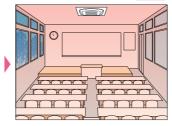
NEW - 3 independent schedules can be set. (e.g. summer, winter, mid-season)

College classroom sample (a summer Monday case)

The first period starts and the air conditioner starts the cooling operation.







3) 13:00

When the third period starts operation starts again.



4) 15:00 OFF

t□Return Setting

After the third period, the classroom becomes vacant again and the air conditioner stops.

Time Act Cool Heat

8:30 ON 25°C __ 10:00 OFF --°C --°C

13:00 ON 25°C ___°C 15:00 OFF --°C --°C



Multilingual display

Display is available in 11 languages. (English, German, French, Spanish, Italian, Portuguese, Greek, Dutch, Russian, Turkish, and Polish).

Wireless remote controller



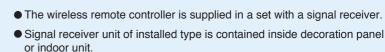








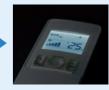




• Shape of signal receiver unit differs according to the indoor unit. Note: The signal receiver unit shown in the photograph is for mounting inside the decoration panel of the ceiling mounted cassette type.

NEW ● Backlight LCD of new wireless remote controller





Pressing the backlight button helps operating in dark rooms

Wireless remote controller for each indoor unit type

Heat pump
BRC7M634F (Fresh white) BRC7M634K (Black)
BRC7M53
BRC7EB518
BRC4C65

System variation to control multiple indoor units **Control pattern** Wired remote controller Wireless remote controller Control by 1 (Basic system) remote controller Non-polar, double-core Signal receiver unit installed (max. wiring length 500 m) on indoor unit Control by 1 wireless remote For control from 2 controller and 1 wired remote Control by 2 locations such as in controller (See note 2) room and control room. remote controllers Signal receiver unit installed Connects 2 wired remote on indoor unit controllers (See note 1) For simultaneous **Group control** control of up to 16 indoor units. Automatic address setting function Automatic address setting function Signal receiver unit installed on 1 indoor unit Operation and monitoring is carried out using the (Command from outside) (Command from outside) Control by contact signal from the external command operation control box in Optional wiring adaptor for the monitoring room. Optional wiring adaptor for electrical appendices is necessary electrical appendices is necessary entral remote controller (option) Centralised control of up to 64 indoor groups Centralised remote from remote location control up to 1 km away. Link by remote controller group control. Can be operated simultaneously Can be operated simultaneously or independently by remote controller by remote controller (set by ventilation mode) Central remote controller (option) Interlock control with Heat Reclaim Ventilator Zone link control by centralised control Heat Reclaim Ventilator for indoor units within a zone is operated by interlocking. • Heat Reclaim Ventilator for indoor units within a Can also be operated independently by zone is operated by interlocking. Note: 1BRC1E63 can connect BRC1E63 only. When a wireless remote controller is used, it is not possible to use 2 wireless remote controllers. Combination of BRC1E63 (main) and BRC7M (sub) is available.

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





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

DCS301BA61 (Option)

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

Schedule timer DST301BA61 (Option)



Unified control of weekly schedule for up to 1,024 indoor units. to be executed twice a day for a week at a time.

intelligent Controller DCS601C51 (Option)



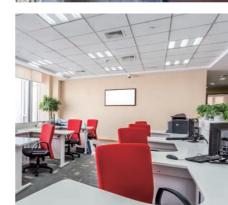
With its high functionality, the full colour "all-in-one" graphic controller facilitates management of SkyAir System in a variety of ways.

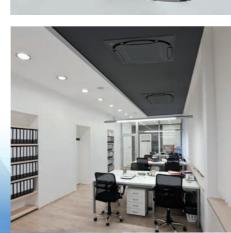
Whatever your space, give it the comfort it deserves



















		•	CEIL	LING MOU	INTED YPE〈Round Flow〉	CEILING SUS	PENDED TYPE
Fun	C	tions	CAS	SETTET	/PE (Round Flow)		
				60	ROUND FLOW		
over	V	1ew					
				FCA50-7	71CAVMA	FHA50/6	0BAVMA
Heat pump		Indoor unit		FCA85-	140CVMA	FHA71-1	40BVMA
		Outdoor unit			CV1, 71-140CY1 CV1, 85-140CY1	RZAV50- RZAV71-	
		Remote Wired	_	C1E63		BRC1E63	
		controller Wirele			BRC7M634F (K)		BRC7M53
	1 2	Energy consumption monitoring *1 Sensing sensor stop mode *1		Sensing panel			
	3	Sensing sensor low mode *1, 2		Sensing panel			
Бионен	4	Auto display OFF *1				•	
Energy Saving	5	Setpoint auto reset *1		•		•	
Saving	6	Setpoint range set *1		•		•	
	7	OFF timer (programmed) *1		•		•	
	8	Weekly schedule timer *1				•	
	9	ON/OFF timer					•
	10			•			
	11			•		•	
	12			<u> </u>		•	
	13				Sensing panel		
	14 15	·			Sensing panel		
	16			Sensing panel	Cononing parior		
	17	Auto swing			•	•	•
	18	-				-	
Comfort	19	3/					
	20			5 step	5 step	5 step	5 step
	21				•	•	
	22 23	The state of the s		•			
	24			3.5m / 4.2m		3.5m / 4.3m	
	25						
	26	Year-round cooling applicable		()		
	27					•	
	28	Anti-bacterial air filter		(
Cleanliness	29	Mould-proof air filter					
	30	Silver ion anti-bacterial drain pan		(
	31	Auto grille panel		(
	32			(*6
	33	<u> </u>					
Work &	34						
Servicing	35 36			•			
	37						
	38				0	•	•
	39					•	
	40	Auto-restart		-			
	41			•		•	
	42				* 7	•	* 7
	43	, ,		•			•
Control	44	' '			Sensing panel		
	45	9	on				
	46 47	External command control *5 Central remote control					
	48		or				
	49						
	50						
Options	51	Ultra long-life filter					
- Options	52						
Others	53		i				
Others	J	Anni corrosion freated freat exchanger 3					

	WALL MO	UNTED TYPE	DUCT CONNEC	TION MIDDLE URE TYPE
				1 31
		2-1		11
		60BAVMA 100BVMA	FBA50/6 FBA71-1	0BAVMA 40BVMA
	RZAV50)-100CV1	RZAV50-140C	V1, 71-140CY1
		-100CY1	RZAC71/85	CV1, 85CY1
	BRC1E63	BRC7EB518	BRC1E63	BRC4C65
1		BHOTEBOTO		D110-1000
2				
3	•		•	
5	0		•	
6	•		•	
7	•		•	
9	•		•	
				•
10	•			
12	0			
13				
14				
15				
16 17				
18				
19	()		
20	3 step	3 step	3 step	3 step
21				
23				
24				
25				
26				
27				**
28 29	4)		*6
30				
31				
32		*6		
33			(
34				
35 36				
37				
38	•	•		0
39	•		•	
40				
41	0	•	•	0
42 43	0		0	
44				
45				
46				
47				
48 49				
50 51				
52				
53	-			
33			•	7

- *1: Applicable when BRC1E63 is used
 *2: Not applicable when group control
 *3: For outdoor units
 *4: Adaptor for Wiring (and installation box) is necessary
 *5: Wiring adaptor for electrical appendices (and installation box)
- is necessary

 *6: Option is requied

 *7: It is not possible to use 2 wireless remote controllers.

 Combination of BRC1E63 (main) and BRC7M (sub) is available

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

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

Energy Saving

1. Energy consumption monitoring

Past power consumption is displayed for the current and previous days as well as in weekly and yearly intervals.

2. Sensing sensor stop mode

When the room is unoccupied, the system stops automatically

3. Sensing sensor low mode

When the room is unoccupied, the set temperature is shifted automatically

4. Auto display OFF

While operation is stopping, the LCD display can be turned off. It can be displayed again when any button is pressed.

5. Setpoint auto reset

Even if the set temperature is changed, the new set temperature returns to the previous preset value after a preset duration of time

6. Setpoint range set

Saves energy by limiting the minimum and maximum set temperatures. Avoids excessive heating and cooling.

7. OFF timer (programmed)

Sets and saves setting for an increment of time that automatically turns off air conditioner after a preset period of time for each time operation starts

8. Weekly schedule timer

Up to five operation ON/OFF settings can be programmed per day for each day of the week. Not only can the time be set for the operation ON setting, but also the temperature.

9. ON/OFF timer

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

Comfort

10. Circulation airflow

At the start of operation, airflow changes repeatedly between horizontal flow and downward flow (swing during cool operation), and air is sent throughout the room to eliminate unever temperatures.

11. Setback

Maintains the room temperature in a specific range during unoccupied periods by temporarily starting an air conditioner that had been turned OFF.

12. Quick start

At operation start, capacity priority operation is possible.

13. Individual airflow control

Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.

14. Infrared presence sensor

The sensor detects the presence of people in each of the 4 areas.

15. Infrared floor sensor

The sensor detects the floor temperature and automatically adjusts operation of the indoor unit to reduce the temperature difference between the ceiling and the floor.

16. Auto airflow function

When this function is set, airflow direction can be directed toward or away from people when human presence is detected.

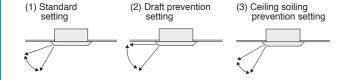
17. Auto swing

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

■ The air flow direction can be fixed at your desired angle by the remote controller.

18. Swing pattern selection

You can freely set air discharge settings by remote controller.



19. Draft prevention function (heating)

To prevent cold air drafts, automatically adjusts airflow to near horizontal position when heating initially starts or when the thermo off.

20. Switchable fan speed

High setting provides maximum reach while low setting minimises drafts.

21. Auto airflow rate

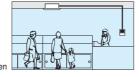
Airflow rate is automatically controlled in accordance with the difference between room temperature and set temperature.

22. High fan speed mode

You can increase fan speed approximately 10% higher than the

23. 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 increase the comfort level.

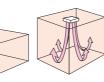


 Use the temperature-sensor in the indoor unit when controlling air conditioning for the controlling air conditioning for the condi controlling air conditioning from another room

Note: Wireless remote controllers have no temperature-sensor

24. High ceiling application

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



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.

25. Hot start

Cold air flow is avoided when heating operation starts or when switching to heat after defrosting.

26. Year-round cooling applicable

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

27. Night quiet operation

The Automatic night quiet mode will initiate 8 hours after the peak temperature is reached in the daytime, and normal operation will resume 10 hours after that.

Cleanliness

28. Anti-bacterial air filter

The air filter has an anti-bacterial treatment to help prevent the growth of bacteria and mould on it.

29. Mould-proof air filter

Sanitary filter has mould-resistant treatment.

30. Silver ion anti-bacterial drain pan

A built-in antibacterial treatment that uses silver ion in the drain pan prevents the growth of slime, bacteria, and mould that cause odours and clogging.

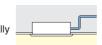
Work & Servicing

31. Auto grille panel

Grille and air filter cleaning can be performed without need for a stepladder by lowering the grille.

32. Drain pump mechanism

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



33. Pre-charged for up to 30 m

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

34. Long-life filter

Maintenance is not required for one year* The filter is washable and can be reused *For dust concentration of 0.15 mg/m3

35. 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.

36. Low gas pressure detection

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

37. Emergency operation

Even if there is a malfunction elsewhere in the system, the fan or compressor can still be operated. (depending on the malfunction)

38. 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.

39. Service contact display

When installing the unit, registration of the service contact is available to the wired remote controller.

Control

40. 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.

41. Auto-cooling / heating change-over

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

42. Control by 2 remote controllers

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

*When a wireless remote controller is used, it is not possible to use 2 wireless remote controllers.

Combination of BRC1E63 (main) and BRC7M (sub) is available

43. Group 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.)

44. External equipment interlock

Human presence is detected by the built-in infrared presence sensor in the sensing panel, and the presence detection signal can be output and interlocked with external equipment. Power conservation is possible though the interlock of external equipment, such as lighting, with the infrared presence sensor.

*Adaptor for Wiring (and installation box) is necessary.

45. External signal forced OFF and ON/OFF operation

The air conditioner can be interlocked with the keycard system and turned ON/OFF by locking and unlocking the room. The air conditioner can be also be turned OFF by the interlock with the ventilation and lighting OFF signal. *Field setting with remote controller.

46. External command control

Operation and monitoring is carried out using the contact signal from the operation control box in the building monitoring room. *Wiring adaptor for electrical appendices (and installation box) is necessary.

47. Central remote control

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

48. Interlock control with Heat Reclaim Ventilator

Enables interlocking control with external equipment such as Heat Reclaim Ventilator

49. DIII-NET communication standard

Connection to a centralised control system is available without need for an optional adaptor.

Options

50. High-efficiency filter

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

51. Ultra long-life filter

Requires no maintenance for about 4 years* (10,000h) in stores and offices

*For dust concentration of 0.15 mg/m³

52. Fresh air intake kit

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

Others

53. Anti corrosion treated heat exchanger

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, Anti corrosion treated fin for heat exchangers (with special coating) are used for the heat exchanger of the outdoor unit.

In high corrosive areas, regular maintenance needs to be



CEILING MOUNTED CASSETTE TYPE <Round Flow> Premium Inverter series (1 Phase)

				50	60	71	85	100	125	140	
Model		Indoor unit		FCA50CAVMA	FCA60CAVMA	FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA	
Name		Outdoor unit		RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100CV1	RZAV125CV1	RZAV140CV1	
Power suppl	у					1 P	hase, 220-240V, 50	OHz			
Cooling capa Rated (Min			kW	5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)	
Heating capa Rated (Min			kW	6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	14.0 (5.1-16.0)	16.0 (5.1-18.0)	
Power consu	umption	Cooling ¹	kW	1.11	1.43	1.81	2.00	2.38	3.25	3.70	
		Heating ²	kW	1.27	1.54	1.81	2.13	2.40	3.28	4.02	
EER		Cooling	kW/kW	4.51	4.21	3.93	4.25	4.21	3.85	3.78	
COP		Heating	kW/kW	4.73	4.61	4.42	4.70	4.67	4.27	3.98	
Indoor	Colour	Unit									
unit		Decoration panel					Fresh White				
	Airflow rate	(H / HM / M / ML / L)	ℓ/s		/ 350 / 308 / 267 /			58 / 400 / 333		00 / 442 / 383	
			m³/min		23.0 / 21.0 / 18.5 / 16.0 / 13.5			7.5 / 24.0 / 20.0		0.0 / 26.5 / 23.0	
	Sound pressure level ⁴ (H / HM / M / ML / L) d		dB(A)	37.0	/ 36.0 / 34.0 / 31.0 /	/ 27.5	45.0 / 42.0 / 39.0 / 36.5 / 34.0 46.0 / 43.5 / 41.0 / 38.5 / 36			.0 / 38.5 / 36.0	
	Dimensions Unit mm				256×840×840 298×840×840						
	(H×W×D) Decoration panel mr		mm				50×950×950				
	Machine	Unit	kg	22 26							
	weight	Decoration panel	kg					5.5			
	Certified	Cooling	°CWB				14 to 25				
	Operation rang	ge Heating	°CDB				15 to 27				
Outdoor	Colour						Ivory White				
unit	Compresso			Hermetically sealed swing type							
		Motor output	kW		1.30 2.40				30		
		charge (R-32)	kg		1.35 (Charged for 30 m) 2.60 (Charged for 30 m)		2.90 (Charged for 30 m)		75 I for 30 m)	3.90 (Charged for 30 m)	
	Sound pressi	ure Cooling / Heating	dB(A)	48	/ 51	48 / 50	52 / 53	51 / 53	52 / 54	56 / 58	
	level ⁴	Night quiet mode	dB(A)		44		48	47	48	52	
	Sound power	er level	dB(A)	6	8	67	71	70			
	Dimensions	(H×W×D)	mm	595×84	45×300		40×320		1,430×940×320		
	Machine we		kg	4	5	69	78	9	13	99	
	Certified	Cooling	°CDB				-5 to 50				
	Operation rang	ge Heating	°CWB				-15 to 15.5				
Piping	Liquid (Flare	e)	mm	ø6	6.4			ø9.5			
connections	Gas (Flare)		mm	Ø12	2.7			ø15.9			
	Drain	Indoor unit	mm			VF	25 (I.Dø25×O.Dø3	32)			
		Outdoor unit	mm				ø26.0 (Hole)				
	it piping leng		m	50 (Equivale	nt length 70)			(Equivalent length	90)		
	tion level diff	erence	m				30				
Heat insulati	ion					Bot	h liquid and gas pip	oing			

CFILING MOUNTED CASSETTE TYPE < Round Flow >	Premium Inverter s

CEILII	NG MO	UNTED CAS	SELI	E TYPE <roun< th=""><th></th><th></th><th></th><th></th></roun<>					
				71	85	100	125	140	
Model		Indoor unit		FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA	
Name		Outdoor unit		RZAV71CY1	RZAV85CY1	RZAV100CY1	RZAV125CY1	RZAV140CY1	
Power suppl						3 Phase, 380-415V, 50Hz			
Cooling capa Rated (Min.			kW	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)	
Heating capacity ^{2,3} Rated (Min Max.)			kW	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	14.0 (5.1-16.0)	16.0 (5.1-18.0)	
Power consu		Cooling ¹	kW	1.81	2.00	2.38	3.25	3.70	
	· [Heating ²	kW	1.81	2.13	2.40	3.28	4.02	
EER	ER Cooling		kW/kW	3.93	4.25	4.21	3.85	3.78	
COP		Heating	kW/kW	4.42	4.70	4.67	4.27	3.98	
ndoor	Colour	Unit							
ınit		Decoration panel				Fresh White			
	Airflow rate (H / HM / M / ML / L)		ℓ/s	383 / 350 / 308 / 267 / 225		458 / 400 / 333 608 / 558 / 500 / 442 / 383			
				23.0 / 21.0 / 18.5 / 16.0 / 13.5	34.5 / 31.0 / 27				
		level4 (H / HM / M / ML / L)	dB(A)	37.0 / 36.0 / 34.0 / 31.0 / 27.5	45.0 / 42.0 / 39	9.0 / 36.5 / 34.0	46.0 / 43.5 / 4	1.0 / 38.5 / 36.0	
	Dimensions	Unit	mm	256×840×840		298×84	40×840		
M	(H×W×D)	(H×W×D) Decoration panel				50×950×950			
	Machine	Unit	kg	22		26			
	weight	Decoration panel	kg	·	5.5				
	Certified	Cooling	°CWB	14 to 25					
	Operation rang	e Heating	°CDB	15 to 27					
Outdoor	Colour	, ,		Ivory White					
unit	Compressor	Type		Hermetically sealed swing type					
		Motor output	kW	2.40		3.	30		
	Refrigerant of	charge (R-32)	kg	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)		75 for 30 m)	3.90 (Charged for 30 m	
	Sound pressu	re Cooling / Heating	dB(A)	48 / 50	52 / 53	51 / 53	52 / 54	56 / 58	
	level ⁴	Night guiet mode	dB(A)	44	48	47	48	52	
	Sound powe		dB(A)	67	71	70			
	Dimensions	(H×W×D)	mm	990×94			1,430×940×320		
	Machine we		kg	69	78	9	3	99	
	Certified	Cooling	°CDB			-5 to 50		-	
	Operation rang		°CWB			-15 to 15.5			
Piping	Liquid (Flare		mm			ø9.5			
connections						ø15.9			
	Drain	Indoor unit	mm			VP25 (I.Dø25×O.Dø32)			
	D. Call	Outdoor unit	mm			Ø26.0 (Hole)			
∕lax interun	nit piping lengt		m			75 (Equivalent length 90)			
	ation level diffe		m			30			



				71	85	100	125	140			
Model		Indoor unit		FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA			
Name		Outdoor unit		RZAC71CV1	RZAC85CV1	RZAC100CV1	RZAC125CV1	RZAC140CV1			
Power suppl	у					1 Phase, 220-240V, 50Hz					
Cooling capa			kW	7.1 (1.8-8.0)	8.5 (3.2-10.0)	10.0 (3.2-11.2)	12.5 (4.0-14.0)	14.0 (5.0-16.0)			
Rated (Min				` '	, ,	` ,	, ,	, ,			
Heating capa Rated (Min			kW	8.0 (2.0-9.0)	10.0 (3.5-11.2)	11.2 (3.5-12.5)	14.0 (4.1-16.0)	16.0 (5.1-18.0)			
Power consumption Cooling ¹		kW	1.83	2.25	2.67	3.53	4.18				
Heating ²		kW	1.95	2.42 2.74		3.63	4.32				
EER		Cooling	kW/kW	3.87	3.78	3.74	3.54	3.35			
COP		Heating	kW/kW	4.11	4.13	4.09	3.86	3.70			
Indoor	Colour	Unit									
unit		Decoration panel				Fresh White					
	Airflow rate	(H / HM / M / ML / L)	ℓ/s	383 / 350 / 308 / 267 / 225		58 / 400 / 333	608 / 558 / 50				
				23.0 / 21.0 / 18.5 / 16.0 / 13.5	34.5 / 31.0 / 27		36.5 / 33.5 / 30				
	Sound pressure level4 (H / HM / M / ML / L)			37.0 / 36.0 / 34.0 / 31.0 / 27.5	45.0 / 42.0 / 39	45.0 / 42.0 / 39.0 / 36.5 / 34.0 46.0 / 43.5 / 41.0 / 38.5 / 36.0					
			mm	256×840×840							
	(H×W×D) Decoration panel		mm		50×950×950						
			kg	22		2	6				
	weight	Decoration panel	kg			5.5					
	Certified	Cooling	°CWB	14 to 25							
	Operation rang	e Heating	°CDB	15 to 27							
Outdoor	Colour			Ivory White							
unit	Compressor			Hermetically sealed swing type							
		Motor output	kW	1.30	2.		3.30				
	Refrigerant	charge (R-32)	kg	1.70 (Charged for 30 m)	2. (Charged		2.90 (Charged for 30 m)	3.75 (Charged for 30 m)			
		re Cooling / Heating	dB(A)	48 / 51	51 / 54	52 / 54	53 / 56	54 / 56			
	level ⁴	Night quiet mode	dB(A)	44	47	48	49	50			
	Sound power	r level	dB(A)	68	70	71					
	Dimensions	(H×W×D)	mm	595×840×300		990×940×320		1,430×940×320			
	Machine we		kg	45	6	9	78	93			
	Certified	Cooling	°CDB			-5 to 46					
	Operation rang	e Heating	°CWB			-15 to 15.5					
Piping	Liquid (Flare)	mm			ø9.5					
connections	Gas (Flare)		mm			ø15.9					
	Drain	Indoor unit	mm			VP25 (I.Dø25×O.Dø32)					
		Outdoor unit	mm			ø26.0 (Hole)					
	it piping leng		m			50 (Equivalent length 70)					
Max. installa	ation level diff	erence	m			30					
Heat insulati	ion					Both liquid and gas piping					

CEILING MOUNTED CASSETTE TYPE < Round Flow> Inverter series (3 Phase)



				85	100	125	140			
Model		Indoor unit		FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA			
Name		Outdoor unit		RZAC85CY1	RZAC100CY1	RZAC125CY1	RZAC140CY1			
Power suppl	у			3 Phase, 380-415V, 50Hz						
Cooling capa	acity ^{1,3}		kW	8.5	10.0	12.5	14.0			
Rated (Min			KVV	(3.2-10.0)	(3.2-11.2)	(4.0-14.0)	(5.0-16.0)			
Heating capacity ^{2,3} Rated (Min Max.)			kW	10.0 (3.5-11.2)						
Power consu	umption C	ooling ¹	kW	2.25 2.67		3.53	4.18			
	. Н	eating ²	kW	2.42	2.74	3.63	4.32			
EER Cooling			kW/kW	3.78	3.74	3.54	3.35			
COP	Н	eating	kW/kW	4.13	4.09	3.86	3.70			
Indoor	Colour	Unit			-					
unit Decoration par					Fresl	n White				
	Airflow rate (H	H / HM / M / ML / L)	ℓ/s	575 / 517 / 45	58 / 400 / 333	608 / 558 / 50	00 / 442 / 383			
	` '		m³/min	34.5 / 31.0 / 27	7.5 / 24.0 / 20.0	36.5 / 33.5 / 30.0 / 26.5 / 23.0				
	Sound pressure level ⁴ (H / HM / M / ML / L)		dB(A)	45.0 / 42.0 / 39	9.0 / 36.5 / 34.0	46.0 / 43.5 / 41.0 / 38.5 / 36.0				
	Dimensions	Unit	mm		298×840×840					
	(H×W×D)	Decoration panel	mm		50×950×950					
	Machine	Unit	kg			26				
	weight	Decoration panel	kg		;	5.5				
	Certified	Cooling	°CWB	14 to 25						
	Operation range	Heating	°CDB			to 27				
Outdoor	Colour			Ivory White						
unit	Compressor	Туре				ealed swing type				
		Motor output	kW		40	3.30				
	Refrigerant cl	narge (R-32)	kg	2.6 (Charged		2.90 (Charged for 30 m)	3.75 (Charged for 30 m)			
	Sound pressure	e Cooling / Heating	dB(A)	51 / 54	52 / 54	53 / 56	54 / 56			
	level ⁴	Night quiet mode	dB(A)	47	48	49	50			
	Sound power	level	dB(A)	70	71					
	Dimensions (H×W×D)	mm		990×940×320		1,430×940×320			
	Machine weigh		kg	6	69	78	93			
	Certified	Cooling	°CDB			to 46				
	Operation range	Heating	°CWB		-15 1	0 15.5				
Piping	Liquid (Flare)		mm	Ø9.5						
connections	Gas (Flare)		mm			15.9				
	Drain	Indoor unit	mm			25×O.Dø32)				
		Outdoor unit	mm		ø26.0	(Hole)				
	it piping length		m		50 (Equivale	ent length 70)				
	ation level differ	rence	m		·	30				
Heat insulati	ion				Both liquid	and gas piping				

Note:

¹Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19.0°CWB; outdoor temp., 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

²Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

²Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

⁴The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

Max. interunit piping length
Max. installation level difference

Heat insulation

CEILING SUSPENDED TYPE Premium Inverter series (1 Phase) FHA50BAVMA FHA60BAVMA FHA71BVMA FHA85BVMA FHA100BVMA FHA125BVMA FHA140BVMA Indoor unit Model Name RZAV50CV1 RZAV60CV1 RZAV71CV1 RZAV85CV1 RZAV100CV1 RZAV125CV1 RZAV140CV1 Outdoor unit Power supply ase, 220-240V, 50 Cooling capacity^{1,3} Rated (Min. - Max.) 5.0 (1.4-6.0) 6.0 (1.4-7.1) 8.5 (4.0-10.0) kW Heating capacity^{2,3} Rated (Min. - Max.) 14.0 (5.1-16.0) 16.0 (5.1-18.0) kW kW 2.12 Power consumption Cooling¹ Heating² kW 1.66 2.09 4.06 4.76 EER Cooling Heating kW/kW 3.33 3.38 3.39 kW/kW Indoor 250 / 225 / 200 / 183 / 167 15.0 / 13.5 / 12.0 / 11.0 / 10.0 467 / 433 / 400 / 367 / 333 28.0 / 26.0 / 24.0 / 22.0 / 20.0 342 / 313 / 283 / 258 / 233 517/483/450/417/383 567/525/483/442/400 310/290/270/250/230 34.0/31.5/29.0/26.5/24.0 28.0 / 26.0 / 24.0 / 22.0 / 20.0 31.0 / 29.0 / 27.0 / 25.0 / 23.0 34.0 / 31.5 / 29.0 / 26.5 / 24.0 42.0 / 40.0 / 38.0 / 36.0 / 34.0 44.0 / 42.5 / 41.0 / 39.0 / 37.0 46.0 / 44.0 / 42.0 / 40.0 / 38.0 Sound pressure level⁴ (H / HM / M / ML / L) dB(A) 37.0 / 36.0 / 35.0 / 33.5 / 32.0 38.0 / 37.0 / 36.0 / 35.0 / 34.0 Dimensions (H×W×D) Machine weight 235×960×690 235×1,590×690 235×1,270×690 Certified Cooling Operation range Heating 14 to 25 15 to 27 Colour Ivory White Outdoor Compressor Type Motor output Refrigerant charge (R-32) Hermetically sealed swing type kW 3.75 (Charged for 30 m) 3.90 (Charged for 30 m) kg 2.60 (Charged for 30 m) (Charged for 30 m) (Charged for 30 m) Sound pressure Cooling/Heating dB(A) level⁴ Night quiet mode dB(A) 51 / 53 47 48 / 51 48 / 50 52 / 53 52 / 54 56 / 58 Sound power level dB(A) Dimensions (H×W×D) 595×845×300 990×940×320 1,430×940×320 kg Machine weight Certified Cooling Operation range Heating °CWB -15 to 15.5 Piping Liquid (Flare) ø6.4 ø9.5 mm connections Gas (Flare) Drain ø12.7 ø15.9 Indoor unit VP20 (I.Dø20×O.Dø26) mm Outdoor unit

Both liquid and gas piping

-

				71	85	100	125	140			
Model		Indoor unit		FHA71BVMA	FHA85BVMA	FHA100BVMA	FHA125BVMA	FHA140BVMA			
Name		Outdoor unit		RZAV71CY1	RZAV85CY1	RZAV100CY1	RZAV125CY1	RZAV140CY1			
Power suppl	у					3 Phase, 380-415V, 50Hz					
Cooling capacity ^{1,3} Rated (Min Max.)				7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)			
Heating capacity ^{2,3} Rated (Min Max.)				8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	14.0 (5.1-16.0)	16.0 (5.1-18.0)			
Power consu	umption	Cooling ¹	kW	2.12	2.51	2.78	3.65	4.13			
		Heating ²	kW	2.26	2.75	3.09	4.06	4.76			
EER		Cooling	kW/kW	3.35	3.38	3.60	3.42	3.39			
COP		Heating	kW/kW	3.54	3.63	3.62	3.45	3.36			
Indoor Colour						White					
ınit	Airflow rate (H / HM / M / ML / L)		ℓ/s m³/min	342 / 313 / 283 / 258 / 233	467 / 433 / 400 / 367 / 333 517 / 483 / 450 / 417 / 383 567 / 525 / 4						
				20.5 / 18.8 / 17.0 / 15.5 / 14.0	28.0 / 26.0 / 24.0 / 22.0 / 20.0 31.0 / 29.0 / 27.0 / 25.0 / 23.0 34.0 / 31.5 / 29.0						
	Sound pressur	re level4 (H / HM / M / ML / L)	dB(A)	38.0 / 37.0 / 36.0 / 35.0 / 34.0	42.0 / 40.0 / 38.0 / 36.0 / 34.0 44.0 / 42.5 / 41.0 / 39.0 / 37.0 46.0 / 44.0 / 42.0 / 40.0 / 38						
		Dimensions (H×W×D)		235×1,270×690		235×1,5	90×690				
Ce	Machine we		kg °CWB	32	38						
	Certified				14 to 25						
	Operation ran	1ge Heating	°CDB	15 to 27							
	Colour			Ivory White							
Outdoor	Compresso			Hermetically sealed swing type							
ınit		Motor output	kW	2.40			30				
		charge (R-32)	kg	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3. (Charged	for 30 m)	3.90 (Charged for 30 m)			
	Sound pressu		dB(A)	48 / 50	52 / 53	51 / 53	52 / 54	56 / 58			
	level ⁴	Night quiet mode	dB(A)	44	48	47	48	52			
	Sound pow		dB(A)	67	71	70					
	Dimensions		mm	990×94			1,430×940×320				
	Machine we		kg	69	78	9	3	99			
	Certified	Cooling	°CDB			-5 to 50					
	Operation ran	+ 1.10atin.ig	°CWB			-15 to 15.5					
Piping	Liquid (Flare	e)	mm			ø9.5					
connections	Gido (Fidio)	Gas (Flare)				ø 15.9					
	Drain	Indoor unit	mm			VP20 (I.Dø20×O.Dø26)					
		Outdoor unit	mm			ø26.0 (Hole)					
	it piping leng		m			75 (Equivalent length 90)					
	ation level diff	erence	m			30					
Heat insulati	ion					Both liquid and gas piping					

m

50 (Equivalent length 70)

WALL MOUNTED TYPE Premium Inverter series (1 Phase)

				50	60	71	85	100
Model		Indoor unit		FAA50BAVMA	FAA60BAVMA	FAA71BVMA	FAA85BVMA	FAA100BVMA
Name		Outdoor unit		RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100CV1
Power suppl	ly					1 Phase, 220-240V, 50Hz		
Cooling capa Rated (Min.			kW	5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)
Heating capa Rated (Min.			kW	6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)
Power consi	umption	Cooling ¹	kW	1.45	1.80	2.22	2.59	3.11
		Heating ²	kW	1.61	2.05	2.37	3.01	3.48
EER		Cooling	kW/kW	3.45	3.34	3.20	3.28	3.22
COP		Heating	kW/kW	3.73	3.46	3.38	3.32	3.22
Indoor	Colour					Fresh White		
unit	Airflow rate	e (H / M / L)	l/s		300 / 267 / 233		433 / 38	83 / 317
uiiit		,	m³/min		18.0 / 16.0 / 14.0		26.0 / 23	3.0 / 19.0
	Sound pressu	ure level4 (H / HM / M / ML / L)	dB(A)		45.0 / 42.0 / 40.0		49.0 / 45	5.0 / 41.0
	Dimension	is (H×W×D)	mm		290×1.050×238		340×1.2	200×240
	Machine w	veight	kg		13		1	17
	Certified	Cooling	°CWB			14 to 25		
	Operation ra	nge Heating	°CDB			15 to 27		
Outdoor	Colour					Ivory White		
	Compress	npressor Type			Н	ermetically sealed swing ty	pe	
Outdoor unit		Motor output	kW	1.30				30
	Refrigeran	t charge (R-32)	kg	1.35 (Charged for 30 m)		2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.75 (Charged for 30 m)
	Sound press	sure Cooling / Heating	dB(A)	48	51	48 / 50	52 / 53	51 / 53
	level ⁴	Night guiet mode	dB(A)		44		48	47
	Sound pov	ver level	dB(A)	6	8	67	71	70
	Dimension	is (H×W×D)	mm	595×8	45×300	990×94	10×320	1.430×940×320
	Machine w	veight	kg	4	5	69	78	93
	Certified	Cooling	°CDB			-5 to 50		
	Operation ra	nge Heating	°CWB			-15 to 15.5		
Piping	Liquid (Flar	re)	mm	Ø	6.4		ø9.5	
	Gas (Flare)		mm	ø1	2.7		ø15.9	
	Drain	Indoor unit	mm			VP13 (I.Dø13×O.Dø18)		
		Outdoor unit	mm			ø26.0 (Hole)		
Max. interur	nit piping leng		m	50 (Equivale	nt length 70)	, , , , , , , , , , , , , , , , , , , ,	75 (Equivalent length 90)	
	ation level dif		m	, 4	<u> </u>	30	. , , , , , , , , , , , , , , , , , , ,	
	tion					Both liquid and gas piping		

WALL MOUNTED TYPE Premium Inverter series (3 Phase)

				71	85	100				
Model		Indoor unit		FAA71BVMA	FAA85BVMA	FAA100BVMA				
Name		Outdoor unit	RZAV71CY1		RZAV85CY1	RZAV100CY1				
Power supply	у				3 Phase, 380-415V, 50Hz					
Cooling capa Rated (Min			kW	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)				
Heating capa Rated (Min	acity ^{2,3}		kW	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)				
Power consumption Cooling ¹		Cooling ¹	kW	2.22	2.59	3.11				
01101 001100	anipuon	Heating ²	kW	2.37	3.01	3.48				
EER		Cooling	kW/kW	3.20	3.28	3.22				
COP		Heating	kW/kW	3.38	3.32	3.22				
ndoor					Fresh White					
Indoor unit Airflow rate (H / M / L)		(H / M / L)	ℓ/s	300 / 267 / 233						
JI II L		,	m³/min	18.0 / 16.0 / 14.0 26.0 / 23.0 / 19.0						
	Sound pres	ssure level4 (H / M / L)	dB(A)	45.0 / 42.0 / 40.0						
	Dimensions	s (H×W×D)	mm	290×1,050×238	340×1,2	00×240				
	Machine weight		kg	13	1	7				
	Certified Cooling		°CWB		14 to 25					
	Operation rar	o i nouting			15 to 27					
Outdoor	Colour				Ivory White					
unit	Compresso	or Type			Hermetically sealed swing type					
ai iit		Motor output	kW	2.40	3.3					
	Refrigerant	charge (R-32)	kg	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3.75 (Charged for 30 m)				
	Sound press	ure Cooling/Heating	dB(A)	48 / 50	52 / 53	51 / 53				
	level ⁴	Night quiet mode	dB(A)	44	48	47				
	Sound pow	er level	dB(A)	67	71	70				
	Dimensions	s (H×W×D)	mm	990×94	10×320	1,430×940×320				
	Machine w		kg	69	78	93				
	Certified	Cooling	°CDB		-5 to 50					
	Operation rar	nge Heating	°CWB		-15 to 15.5					
Piping	Liquid (Flare	e)	mm		ø9.5					
connections	Gas (Flare)		mm	·	ø15.9	·				
	Drain	Indoor unit	mm		VP13 (I.Dø13×O.Dø18)					
		Outdoor unit	mm		ø26.0 (Hole)					
Max. interun	it piping leng	th	m		75 (Equivalent length 90)					
Max. installa	tion level diff	erence	m		30					
Heat insulati	ion				Both liquid and gas piping					

^{**}Plated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

**Plated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

³Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

⁴The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

Flated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal).

Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

³Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

⁴The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE Premium Inverter series (1 Phase)

$\overline{}$	
series	(1 Dh



					50	60	71	85	100	125	140	
Mode	el		Indoor unit		FBA50BAVMA	FBA60BAVMA	FBA71BVMA	FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA	
Name	е		Outdoor unit		RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100CV1	RZAV125CV1	RZAV140CV1	
Power sup	ply	Indoor u				•		hase, 220-240V, 50				
		Outdoor	unit					hase, 220-240V, 50	OHz			
Cooling cap Rated (Min				kW	5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)	
Heating ca	pacity ^{2,}	3		kW	6.0	7.1	8.0	10.0	11.2	14.0	16.0	
Rated (Min	Max	.)		KVV	(1.4-7.1)	(1.4-8.0)	(3.5-9.0)	(4.1-11.2)	(5.1-12.5)	(5.1-16.0)	(5.1-18.0)	
Power con	sumption	on Co	ooling ¹	kW	1.37	1.67	2.02	2.30	2.72	3.68	4.08	
		He	eating ²	kW	1.41	1.71	1.99	2.50	2.81	3.72	4.51	
EER		Co	ooling	kW/kW	3.65	3.60	3.51	3.70	3.68	3.40	3.43	
COP			eating	kW/kW	4.26	4.14	4.02	4.00	3.99	3.76	3.55	
Indoor	Cold											
unit	Fan	Air	flow rate (H / M / L)	ℓ/s		50 / 208	383 / 325 / 267		50 / 375	600 / 50		
				m³/min	18.0 / 15	5.0 / 12.5	23.0 / 19.5 / 16.0		7.0 / 22.5	36.0 / 30	0.5 / 25.0	
External static pressur						Rated 50 (50-150)						
	Sou		re level ⁵ (H / M / L)	dB(A)	35.0 / 33.0 / 31.0		38.0 / 35.0 / 33.0 38.0 / 35.5				7.5 / 35.0	
Sou		Sound power level (H) dB(A			6	3		66		6	8	
		Air filter ⁶										
		ensions (F		mm		245×1,000×800			245×1,4	.00×800		
		hine weig		kg		37		4	7			
	Certi		Cooling	°CWB	14 to 25							
	Oper	ation range	Heating	°CDB	15 to 27							
Outdoor	Colo	ur						Ivory White				
unit	Con	pressor	Type					etically sealed swin				
			Motor output	kW		30	2.40		3.	30		
	Refr	igerant ch	arge (R-32)	kg		35 I for 30 m)	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)		75 for 30 m)	3.90 (Charged for 30 m)	
	Sour	nd pressure	Cooling / Heating	dB(A)	48	/ 51	48 / 50	52 / 53	51 / 53	52 / 54	56 / 58	
	level	4	Night quiet mode	dB(A)		44	•	48	47	48	52	
	Sou	nd power	level	dB(A)	6	68	67	71	70			
	Dim	ensions (F	l×W×D)	mm	595×8	45×300	990×94	40×320		1,430×940×320		
	Mac	hine weig	ht	kg	4	15	69	78	9	3	99	
	Certi		Cooling	°CDB				-5 to 50				
Operation range Heating Piping Liquid (Flare)		°CWB				-15 to 15.5						
		mm	Ø	6.4			ø9.5					
connection	ns Gas	(Flare)		mm	ø1	2.7			ø15.9			
	Drai		Indoor unit	mm			VF	25 (I.Dø25×O.Dø3	32)			
			Outdoor unit	mm				ø26.0 (Hole)				
Max. interu	unit pipi	ng length		m	50 (Equivale	ent length 70)			(Equivalent length	90)		
Max. instal	llation l	evel differ	ence	m			•	30				
Heat insula	ation						Bot	h liquid and gas pir	ning			



DUCT	CON	INECTION MID	DLE	STATIC PRES	SURE TYPE (Premium Inverter	series (3 Phase)	11			
	Model Indoor unit Name Outdoor unit			71	85	100	125	140			
		Indoor unit		FBA71BVMA	FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA			
Name		Outdoor unit		RZAV71CY1	RZAV85CY1	RZAV100CY1	RZAV125CY1	RZAV140CY1			
Power supp		door unit				1 Phase, 220-240V, 50Hz					
		ıtdoor unit				3 Phase, 380-415V, 50Hz					
Cooling capa Rated (Min.			kW	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)			
Heating capa				8.0	10.0	11.2	14.0	16.0			
Rated (Min.	- Max.)		kW	(3.5-9.0)	(4.1-11.2) (5.1-12.5)		(5.1-16.0)	(5.1-18.0)			
Power consu	umption	Cooling ¹	kW	2.02	2.30	2.72	3.68	4.08			
		Heating ²	kW	1.99	2.50	2.81	3.72	4.51			
EER		Cooling	kW/kW	3.51	3.70	3.68	3.40	3.43			
COP		Heating	kW/kW	4.02	4.00	3.99	3.76	3.55			
Indoor											
unit	Fan	Airflow rate (H / M / L)	ℓ/s	383 / 325 / 267		50 / 375		08 / 417			
	Estamal static massage		m³/min	23.0 / 19.5 / 16.0	32.0 / 27	7.0 / 22.5 Rated 50 (50-150)	36.0 / 30).5 / 25.0			
External static pressur				38.0 / 38							
	Sound pressure level ⁵ (H / M / L) Sound power level (H)		dB(A)	38.0 / 35.0 / 33.0		7.5 / 35.0					
			dB(A)		66		[6	8			
	Air filter										
		ons (H×W×D)	mm	245×1,000×800 245×1,400×800							
	Machine		kg	37 47							
	Certified	Cooling	°CWB			14 to 25					
		range Heating	°CDB	15 to 27							
Outdoor	Colour			Ivory White							
unit	Compre				H	ermetically sealed swing ty					
		Motor output	kW	2.40		3.0					
	Ů	ant charge (R-32)	kg	2.60 (Charged for 30 m)	2.90 (Charged for 30 m)	3. (Charged		3.90 (Charged for 30 m)			
		ressure Cooling / Heating	dB(A)	48 / 50	52 / 53	51 / 53	52 / 54	56 / 58			
	level ⁴	Night quiet mode	dB(A)	44	48	47	48	52			
		ower level	dB(A)	67	71	70					
		ons (H×W×D)	mm	990×94			1,430×940×320				
	Machine		kg	69	78	9	3	99			
	Certified	Cooling	°CDB			-5 to 50					
	Operation	* · · · · · · · · · · · · · · · · · ·	°CWB			-15 to 15.5					
Piping	Liquid (F		mm			ø9.5					
connections	connections Gas (Flare)					ø15.9					
	Drain	Indoor unit	mm			VP25 (I.Dø25×O.Dø32)					
		Outdoor unit	mm	ø 26.0 (Hole)							
Max. interur			m	75 (Equivalent length 90)							
Max. installa		difference	m			30					
Heat insulat	ion					Both liquid and gas piping					

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE Inverter series (1 Phase)



טטט	LOON	NECTION MIL	DLE	STATIC PRESSURE TYPE Inverter							
				71	85						
Mode	-	Indoor unit		FBA71BVMA	FBA85BVMA						
Name	•	Outdoor unit		RZAC71CV1	RZAC85CV1						
Power supp		or unit			0-240V, 50Hz						
		door unit			-240V, 50Hz						
Cooling cap Rated (Min.	Max.)		kW	7.1 (1.8-8.0)	8.5 (3.2-10.0)						
Heating cap Rated (Min.			kW	8.0 (2.0-9.0)	10.0 (3.5-11.2)						
Power cons	sumption	Cooling ¹	kW	2.15	2.64						
		Heating ²	kW	2.30	2.95						
EER		Cooling	kW/kW	3.30	3.22						
COP		Heating	kW/kW	3.47	3.39						
Indoor	Colour	Unit									
unit	Fan	Airflow rate (H / M / L)	ℓ/s	383 / 325 / 267	533 / 450 / 375						
			m³/min	23.0 / 19.5 / 16.0	32.0 / 27.0 / 22.5						
		External static pressure	dB(A)	Rated 50 (50-150)							
				38.0 / 35.0 / 33.0	38.0 / 35.5 / 33.0						
	Sound power level (H) dB(A)				66						
	Air filter										
		ns (H×W×D)	mm kg	245×1,000×800	245×1,400×800						
		Machine weight		37	47						
	Certified Operation r	Cooling	°CWB	14 to 25							
		n range Heating °(15 to 27							
Outdoor	Colour	True -		Ivory White							
unit	Compress		kW		ealed swing type						
	D (:	Motor output	KVV	1.30	2.40						
		nt charge (R-32)	kg	1.70 (Charged for 30 m)	2.60 (Charged for 30 m)						
		ssure Cooling / Heating	dB(A)	48 / 51	51 / 54						
	level ⁴	Night quiet mode	dB(A)	44	47						
	Sound po		dB(A)	68	70						
		ns (H×W×D)	mm	595×845×300	990×940×320						
	Machine v		kg	45	69						
	Certified	Cooling	°CDB		0 46						
	Operation r	· · · · · · · · · · · · · · · · · · ·	°CWB		15.5						
Piping Liquid (Flare)			mm		9.5						
connection	s Gas (Flar		mm	ø1							
	Drain	Indoor unit	mm	VP25 (I.Dø2							
Many Seat	nit ninina i	Outdoor unit	mm		ø26.0 (Hole)						
	nit piping lei		m	50 (Equivale							
	lation level o	interence	m	3							
Heat insula	ition			Both liquid a	nd gas piping						

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE Inverter series (3 Phase)





				85					
Model		Indoor unit		FBA85BVMA					
Name		Outdoor unit		RZAC85CY1					
Power supply	Indoor un	it		1 Phase, 220-240V, 50Hz					
	Outdoor u	ınit		3 Phase, 380-415V, 50Hz					
Cooling capacity Rated (Min Ma			kW	8.5 (3.2-10.0)					
Heating capacity Rated (Min Ma			kW	10.0 (3.5-11.2)					
Power consump	tion Co	oling ¹	kW	2.64					
		ating ²	kW	2.95					
EER		oling	kW/kW	3.22					
COP	Hea	ating	kW/kW	3.39					
	olour Uni								
unit Fa	ın Airf	low rate (H / M / L)	ℓ/s	533 / 450 / 375					
		,	m³/min	32.0 / 27.0 / 22.5					
	Ext	ernal static pressure	4	Rated 50 (50-150)					
So	Sound pressure level ⁵ (H / M / L)		dB(A)	38.0 / 35.5 / 33.0					
			dB(A)	66					
	Air filter ⁶		()						
Dir	Dimensions (H×W×D) mn			245×1,400×800					
	achine weigh		kg	47					
	Certified Cooling		°CWB	14 to 25					
	eration range		°CDB	15 to 27					
	olour	<u> </u>		Ivory White					
	mpressor	Type		Hermetically sealed swing type					
	procco.	Motor output	kW	2.40					
Re	efrigerant cha		kg	2.60 (Charged for 30 m)					
So	und pressure	Cooling / Heating	dB(A)	51/54					
lev	el ⁴	Night quiet mode	dB(A)	47					
So	und power le		dB(A)	70					
	mensions (H		mm	990×940×320					
	achine weigh		kg	69					
	rtified	Cooling	°CDB	-5 to 46					
Op	eration range	Heating	°CWB	-15 to 15.5					
	quid (Flare)		mm	0.9.5					
connections Ga			mm	ø15.9					
	ain	Indoor unit	mm	VP25 (1025×O.Dø32)					
		Outdoor unit	mm	Ψ (1.5 ΦΕ3					
Max. interunit pi	ining length	Cataoor unit	m	50 (Equivalent length 70)					
Max. installation		ncα	m	30 (Equivalent length 70)					
	i ievei uiliele	1100							
Heat insulation				Both liquid and gas piping					

Note:

'Rated cooling capacities are based on the following conditions: Indoor temp., 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

'Rated heating capacities are based on the following conditions: Indoor temp., 20°CDB, 15°CWB; outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

'Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

'External static pressure is changeable in 11 stages by remote controller.

'The operation sound is measured in anechoic chamber. If it is measured under the actual installation conditions, it is normally over the set value due to environmental noise and sound reflection.

'Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its dust collection efficiency (gravity method) 50% or more.

Indoor unit

CEILING MOUNTED CASSETTE TYPE <Round Flow>

No.	Na	me of option		Remark	FCA50CAVMA FCA60CAVMA FCA71CAVMA	Kit name FCA85CVMA FCA100CVMA FCA125CVMA FCA140CVMA				
			Fresh whi	to.	FCA50CAVMA FCA60CAVMA FCA71CAVMA	BYCQ125EEF				
		Standard panel with Sensing	Black			BYCQ125EEK				
	Decoration	-	Fresh whi	to		BYCQ125EAF				
'	panel	Standard panel	Black			BYCQ125EAK				
		Auto grille panel 1,2	Fresh whi	ho.						
		Auto grille parier	For usage of 3-, 4-way flow		BYCQ125EASF KDBH551C160					
2	Sealing mater	ial of air discharge outlet 3		of 2-way flow		KDBH552C160				
	Danal anasar		For usage	OI 2-way IIOW						
3	Panel spacer			1460 . T. I	VDDD55D400 (O	KDB55J160F				
		1.9	Chamber type 4,5	Without T-duct joint		ents: KDDP55C160-1, KDDP55B160-2) 7				
4	Fresh air intak	sh air intake kit Type "." With T-duct joint KDDP55B160K (Components: KDDP55C160-1, KDDP55B160K2) Toleration type " KDDP55X160A								
				71						
5	High-efficiency	y filter unit 8	(tric method 65%)	KAF556D80	KAF556D160				
	(including line	r chamber)	`	tric method 90%)	KAF557D80	KAF557D160				
6	Replacement	high-efficiency filter 8,9	`	tric method 65%)	KAF552D80	KAF552D160 KAF553D160				
	·		(Colorime	tric method 90%)	KAF553D80					
7	Filter chamber					KDDFP55C160				
8	Replacement	long-life filter				KAF5511D160				
9	<u>'</u>	long-life filter (Auto grille par				KAF5512D160				
10	Ultra long-life	filter unit (Including filter cha	ımber) ⁸		KAF555D160					
11	Replacement	ultra long-life filter 8,9				KAF550D160				
12	Branch duct c	hamber ³			KDJP55C80	KDJP55C160				
13	Insulation kit f	or high humidity 8,10			KDTP55K80A	KDTP55K160A				
14	Remote contro	oller	Wireless t	ype Heat pump	BRC7M634F	(Fresh white) / BRC7M634K (Black)				
15	Navigation rer	note controller	Wired type	e 11 "Nav Ease"		BRC1E63				
16	Central remote	e controller 12				DCS302CA61				
17	Unified ON/OF	FF controller 12				DCS301BA61				
18	Schedule time	er ¹²				DST301BA61				
19	intelligent Tou	ch Controller 12			DCS601C51					
20	Adaptor for wi	ring 13			KRP1C11A					
21	Wiring adapto	Wiring adaptor for electrical appendices ¹³ KRP4AA53								
22	Installation bo	x for adaptor PCB				KRP1H98A				
23	Remote senso	or (for indoor temperature)				KRCS01-5B				
_					L					

Note: ¹A dedicated remote controller (BRC16A2) for the auto grille panel is included for lowering and raising the suction grille.

aWhen installing auto grille panel, body height (ceiling required dimension) is 55 mm higher than action of the panel.

standard panel.

standard panel.

**Girculation airflow is not available with this option.

**When installing a fresh air intake kit (chamber type), two air outlet corners are closed.

**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 sound and may also influence temperature sensing.

⁶The volume of fresh air for direct installation type is approximately 1% of the indoor unit airflow. The chamber type is recommended when more fresh air is necessary.
⁷Please order using the names of both components instead of set name.
⁸This option cannot be installed to auto grille panel.

*Inis option cannot be installed to auto grille panel.
 *Filter chamber is required.
 *Please use in case temperature/humidity inside ceiling may get over 30°C, 80% RH.
 *Wiring for wired remote controller should be obtained locally.
 *The indoor unit is equipped standardly with the interface adapter for SkyAir series. An option is unnecessary.
 *Installation box for adaptor PCB(KRP1H98A) is necessary.

Round flow type: List of optional parts required to achieve different flow patterns

For each flow pattern – all round, 4-way, 3-way, 2-way, branch duct connection – the compatibility of each independently installed option (shown in the column on the left) to accessory options (listed across the top of each table) is shown in the cells where the relevant row and column intersect. À circle (0) indicates compatibility, and a cross (X) indicates incompatibility. Any options not shown below are not suitable for independent or accessory installation.

All-round flow 4-way	flow							
Independently installable options	Optional accessory parts al parts	Auto grille panel	Panel spacer ¹	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	High-efficiency filter unit ²	Ultra long-life filter unit ²
Panel/grille related Auto grille panel			0	0	0	Х	Х	Х
	Panel spacer ¹	0		0	0	Х	0	0
Auxillary function related	Fresh air intake kit (Chamber type)1,2	0	0		X	X	0	0
	Fresh air intake kit (Direct installation type)	0	0	X		0	0	0
	Insulation kit for high humidity	X	X	X	0		Х	Х
Filter related High-efficiency filter unit ²		Х	0	0	0	Х		Х
	Ultra long-life filter unit ²	Х	0	0	0	Х	Х	

3-way flow 2-way flow 5

Independently installable options	Optional accessory parts al parts	Auto grille panel	Panel spacer ¹	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	High-efficiency filter unit ²	Ultra long-life filter unit ²
Panel/grille related	Panel/grille related Auto grille panel		Δ	0	0	X	X	X
	Panel spacer ^{1,3}	Δ		Δ	Δ	Х	Х	Δ
Auxillary function related	Auxillary function related Fresh air intake kit (Chamber type)1,2		Δ		Х	Х	Х	0
	Fresh air intake kit (Direct installation type)	0	Δ	X		0	X	0
	Insulation kit for high humidity	Х	Х	Х	0		Х	Х
Filter related	Ultra long-life filter unit ²	X	Δ	0	0	Х	Х	

Branch dust connection

Branch duct connection								
Independently installable options	Optional accessory parts al parts	Auto grille panel	Panel spacer ¹	Fresh air intake kit (Chamber type) ^{1,2}	Fresh air intake kit (Direct installation type)	Insulation kit for high humidity	High-efficiency filter unit ²	Ultra long-life filter unit ²
Branch duct chamber 1	nch duct chamber 1 1-way branch / unit 3-way flow		0	0	O ⁴	X	X	0
	2-way branch / unit 2-way flow	0	Х	0	O ⁴	Х	Х	0
	1-way branch / unit 2-way flow	0	Y	0	Ω4	Y	Y	0

^{1.} In some cases, depending on how the unit is embedded in the ceiling, use of branch ducts and fresh air intake kits may not be possible. Before starting installation work make sure to check whether or not ioint installation is possible. In particular, ensure that the lower fixing position caused by the addition of panel spacers is acceptable. When branch ducts are used, circulation airflow is not available.

Indoor unit

CEILING SUSPENDED TYPE



No.	Name of option	Rem	a a wh	Kit name							
NO.	Name of option	Reli	iark	FHA50BAVMA	FHA60BAVMA	FHA71BVMA	FHA85BVMA	FHA100BVMA	FHA125BVMA	FHA140BVMA	
1	Replacement long-life filter	Resin net		KAF50	01B56	KAF501B80		KAF50	01B160		
2	Fresh air intake kit						KDDQ50A140	KDDQ50A140			
3	Drain pump kit					KDU50R160					
4	L-type piping kit (for upward direction)						KHFP5N160				
5	Remote controller	Wireless type	Heat pump				BRC7M53				
6	Navigation Remote Controller	Wired type 1 "Na	av Ease"				BRC1E63				
7	Central remote controller ²						DCS302CA61				
8	Unified ON/OFF controller ²						DCS301BA61				
9	Schedule timer ²			DST301BA61							
10	intelligent Touch Controller ²			DCS601C51							
11	Adaptor for wiring						KRP1BA54				
12	Wiring adaptor for electrical appendices ³						KRP4AA52				
13	Installation box for adaptor PCB						KRP1D93A				
14	Adaptor box mounting plate			KKSAP50A56 ——							
15	Remote sensor (for indoor temperature)						BRCS01A-4				
16	Electrical box with earth terminal (3 blocks)						KJB311AA				
17	Electrical box with earth terminal (2 blocks)						KJB212AA				

Note: 1 Wiring for wired remote controller should be obtained locally.

WALL MOUNTED TYPE



No.	Name of option	Remark		Kit name					
140.	Name of option			FAA50BAVMA	FAA60BAVMA	FAA71BVMA	FAA85BVMA	FAA100BVMA	
1	Drain-up kit			K-KDU572EVE					
2	Remote controller	Wireless type	Heat pump	BRC7EB518					
3	Navigation Remote Controller	Navigation Remote Controller Wired type ¹ "Nav Ease"			BRC1E63				
4	Wiring adaptor for electrical appendices(2)			KRP4AA51 *					
5	Installation box for adaptor PCB ²			KRP4AA93					
6	Central remote controller ³			DCS302CA61					
7	Unified ON/OFF controller ³			DCS301BA61					
8	Schedule timer ³			DST301BA61					
9	intelligent Touch Controller ³			DCS601C51					
10	Remote sensor (for Indoor temperature)			BRCS01A-4					
11	Electrical box with earth terminal (3 blocks)			KJB311AA					
12	2 Electrical box with earth terminal (2 blocks)					KJB212AA			

Note: 1 Wiring for wired remote controller should be obtained locally.

DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



52

Name of option -efficiency filter¹ r chamber(for rear suction)¹ g-life filter¹	65% 90%	ark	FBA50BAVMA FBA60BAVMA KAF632C80	FBA71BVMA	Kit name FBA85BVMA	FBA100BVMA	FBA125BVMA	FBA140BVMA
r chamber(for rear suction) ¹								
r chamber(for rear suction) ¹	90%		KAE633C80			KAF632C160		
,			1000000	KAF633C80		KAF633C160		
g-life filter ¹		P Filter chamber(for rear suction) ¹				KDDFP63B160		
			KAF631C80		KAF631C160			
	White		KTBJ25K80W		KTBJ25K160W			
Service panel	Fresh white		KTBJ25K80F		KTBJ25K160F			
	Brown		KTBJ25K80T		KTBJ25K160T			
Air discharge adaptor			KDAP25A71A		KDAP25A140A			
Shield plate for side plate			KDBD63A160					
note controller	Wireless type Heat pump		BRC4C65					
Navigation Remote Controller Wired type ² "Nav Ease"		BRC1E63						
Adaptor for wiring			KRP1C64*					
Wiring adaptor for electrical appendices(2)			KRP4AA51*					
nting plate for adaptor PCB.3,4,5			KRP4A98					
Remote sensor (for indoor temperature)			BRCS01A-4					
3 Central remote controller ⁶			DCS302CA61					
ied ON/OFF controller ⁶			DCS301BA61					
5 Schedule timer ⁶			DST301BA61					
edule timer ⁶	6 intelligent Touch Controller ⁶			DCS601C51				
	ng adaptor for electrical appendices(2) nting plate for adaptor PCB.34.5 ote sensor (for indoor temperature) ral remote controller ⁶ ed ON/OFF controller ⁶	ng adaptor for electrical appendices(2) Inting plate for adaptor PCB. 34.5 Inting plate for adaptor	ng adaptor for electrical appendices(2) Inting plate for adaptor PCB. ^{3,4,5} Inting plate for adaptor PCB. ^{3,4,5,5} Inting plate for adaptor PCB. ^{3,4,5,5,5,5} Inting plate for adaptor PCB. ^{3,4,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,}	ng adaptor for electrical appendices(2) Inting plate for adaptor PCB.34.5 Interpretable for adaptor PCB.34.5 Inting plate for adaptor PCB.34.5 Inting pl	ng adaptor for electrical appendices(2) Inting plate for adaptor PCB.34.5 Inting plate for adaptor PCB.34.5 Inting plate for indoor temperature) Inting plate for indoor temperature) Interpret controller.8 Interpret controller.9	ng adaptor for electrical appendices(2) KRP4AA51* KRP4A98 ote sensor (for indoor temperature) BRCS01A-4 ral remote controller ⁶ DCS301BA61	ng adaptor for electrical appendices(2) KRP4AA51* KRP4A98 ote sensor (for indoor temperature) BRCS01A-4 ral remote controller ⁶ DCS302CA61 ed ON/OFF controller ⁶ DCS301BA61	ng adaptor for electrical appendices(2) KRP4AA51* KRP4A98 ote sensor (for indoor temperature) BRCS01A-4 ral remote controller ⁶ DCS302CA61 ed ON/OFF controller ⁶ DCS301BA61

Note: ¹If installing high efficiency filter and long-life filter to the unit, filter chamber is required. ²Wiring for wired remote controller should be obtained locally.

 3 Mounting plate is necessary for each adaptor marked \bigstar .

^{2.} When two different types of optional chambers are used together, a fresh air intake kit must be installed in the upper position 3. It is not possible to use panel spacers in a 2-way flow installation. (\triangle)

It is not possible to install a branch duct on the same side to which a fresh air intake kit (direct mount) is installed.
 When 3-way or 2-way flow is selected, circulation airflow is not available.

²The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

³Installation box for adaptor PCB (KRP1D93A) is necessary.

and the state of the state of

⁴Up to 2 adaptors can be fixed for each mounting plate.

⁵Only one mounting plate can be installed for each indoor unit.

The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

DIMENSIONS (Unit: mm)

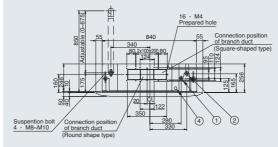
Outdoor unit

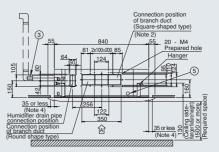


				Kit name			
	Name of option	Premium Inverter series	1 Phase	RZAV50/60CV1	RZAV71/85CV1	RZAV100/125/140CV1	
No.			3 Phase		RZAV71/85CY1	RZAV100/125/140CY1	
		Inverter series	1 Phase	RZAC71CV1	RZAC85/100/125CV1	RZAC140CV1	
			3 Phase		RZAC85/100/125CY1	RZAC140CY1	
1	1 Central drain plug			KKP014A4	KKPJ5G280		
2	2 Fixture for preventing overturning				KKTP5B112		
3	3 Wire fixture for preventing overturning				K-KYZP15C		
4	4 Demand adaptor			KRP58M6	KRP58M51+EKMKSA2		

CEILING MOUNTED CASSETTE TYPE / Standard panel with Sensing

[FCA50-71CAVMA] E> Arrow view F Arrow view G Arrow view C





- BYCQ125EEF Sensing panel (Fresh white) Note: Option decolation panel has 2 types which external
- color are different.

 It can be chosen one of above 2 types depend on your specify.

- 1 Liquid pipe connection (FCA50/60CAVMA: ø6.4 flare connection) (FCA71CAVMA: ø9.5 flare connection)
- ② Gas pipe connection (FCA50/60CAVMA: ø12.7 flare connection (FCA71CAVMA: ø15.9 flare connection)
- 3 Drain pipe connection
- 4 Power-source wiring and a unit wiring connection
- ⑤ Connection wiring / Remote control wiring connection Air outlet
- 7 Suction grille Corner decoration cover
- ① Drain hose (accessory) ① Drain hose connection port

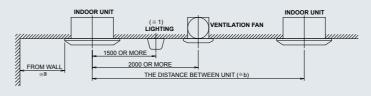
1.Sticking location for Manufacture's label

Manufacture's label for Indoor unit : Suction grille inner side's electric components box's lid surface. Manufacture's label for Decoration panel: Decoration panel's corner decoration cover inner surface.

2.In case of having option part built-in, please refer outside drawing of option part.

Zim dadd di maring option part bant in, pio	acc refer caterac a	
Fresh air intake kit	inspection hole	Need
Natural evaporate type humidifier	inspection hole	Need
Air purifier unit	inspection hole	No Need
High efficiency filter unit	inspection hole	No Need
Branch duct chamber	inspection hole	No Need
(both angle duct · circle duct)	·	
,		

- 3.In case of using wireless remote controller. this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
- 4.Though the installation is acceptable up to maximum of 910 mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap
- 5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
- 6.Please do not place the thing been damp and troubled under an indoor unit. when the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.
- 7.If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surface may get dirty, therefore shall install following to diagram as below.



INSTALLATION SPACE

- $\ensuremath{\mathbb{X}}\text{-}$ The necessary space is 500 mm or more when the air-outlet is blocked with the accessory.
- Moreover when the corner areas are blocked (both right and left of the blocked air outlet), the necessary space is 200 mm
- When the air-outlet is close to the wall surface (both sides of the air-outlet), the recommended space is 2000 mm or more.

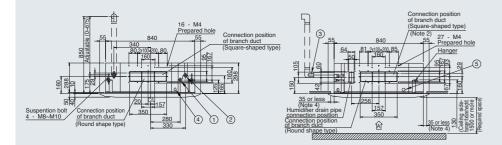
8. For fixing position of human detection and temp sensor will be follow to diagram instruction (can not change position).

	Valid	⊛a	1500-5000
Circulation	valiu	%b	5000 or more
air flow	Invalid	⊛a	1500 or more
	IIIvalia	%b	4000 or more

(* 1)Lighting is targeted for exposed type (inverse fuji-shape etc.), for embedded type (type that not expose to ceiling surface), there is no restriction.

CEILING MOUNTED CASSETTE TYPE / Standard panel with Sensing

[FCA85-140CVMA]



BYCQ125EEF Sensing panel (Fresh white)

ion panel has 2 types which externa en one of above 2 types depend on

- ① Liquid pipe connection (ø9.5)
- ② Gas pipe connection (ø15.9)
- 3 Drain pipe connection
- 4 Power-source wiring and a unit wiring connection
- ⑤ Connection wiring / Remote control wiring connection
- Air outlet
- Suction grille
- (8) Corner decoration cover
- Sensor
- ① Drain hose (accessory)
- ① Drain hose connection port

2.In case of having option part built-in, please refer outside drawing of option part.

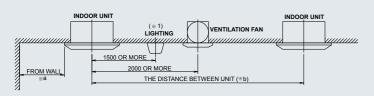
inspection hole	Need
inspection hole	Need
inspection hole	No Need
inspection hole	No Need
inspection hole	No Need
	inspection hole inspection hole inspection hole inspection hole inspection hole

(both angle duct · circle duct)

- 3.In case of using wireless remote controller. this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
- 4. Though the installation is acceptable up to maximum of 910 mm square ceiling opening, keep the clearance of 35mm or less between the indoor unit and the ceiling opening so that the panel overlap allowance can be ensured.

Sticking location for Manufacture's label
 Manufacture's label for Indoor unit: Suction grille inner side's electric components box's lid surface.

- 5. When the temperature and humidity in the ceiling exceed 30°C and 80% RH or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
- 6.Please do not place the thing been damp and troubled under an indoor unit. when the case where humidity is 80% or more, and the drain outlet are choked up and the air filter are dirty, dew may fall.
- 7.If put vent hole, lighting, equipment near the air flow disturb equipment, ceiling surface may get dirty, therefore shall install following to diagram as below





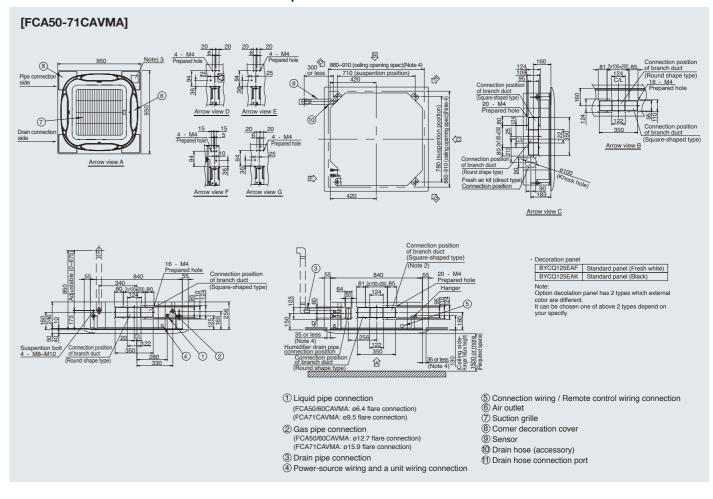
- blocked with the accessory. Moreover when the corner areas are blocked (both right and
- left of the blocked air outlet), the necessary space is 200 mm
- When the air-outlet is close to the wall surface (both sides of the air-outlet), the recommended space is 2000 mm or more.

8. For fixing position of human detection and temp sensor will be follow to diagram instruction (can not change position).

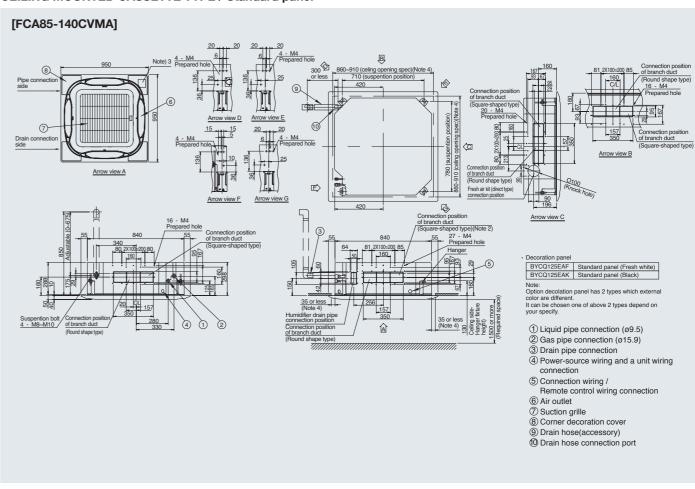
•					
	Valid	⊛a	1500-7000		
Circulation	valid	%b	7000 or more		
air flow	Invalid	፠a	1500 or more		
	IIIvalia	-×b	4000 or more		

(** 1)Lighting is targeted for exposed type (inverse fuji-shape etc.), for embedded type (type that not expose to ceiling surface), there is no restriction.

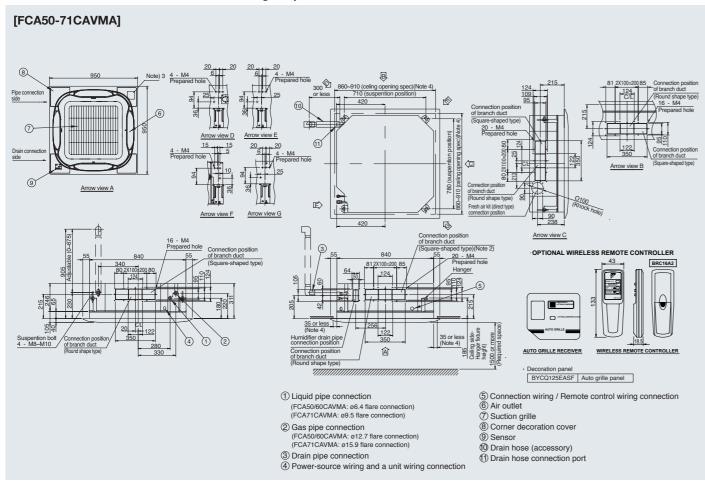
CEILING MOUNTED CASSETTE TYPE / Standard panel



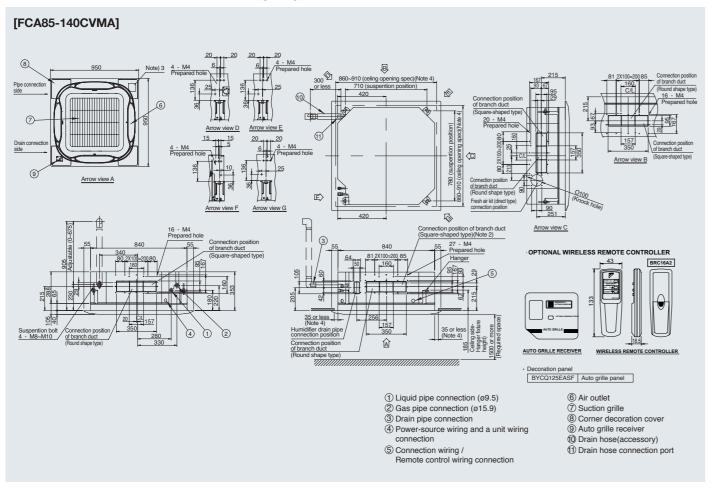
CEILING MOUNTED CASSETTE TYPE / Standard panel



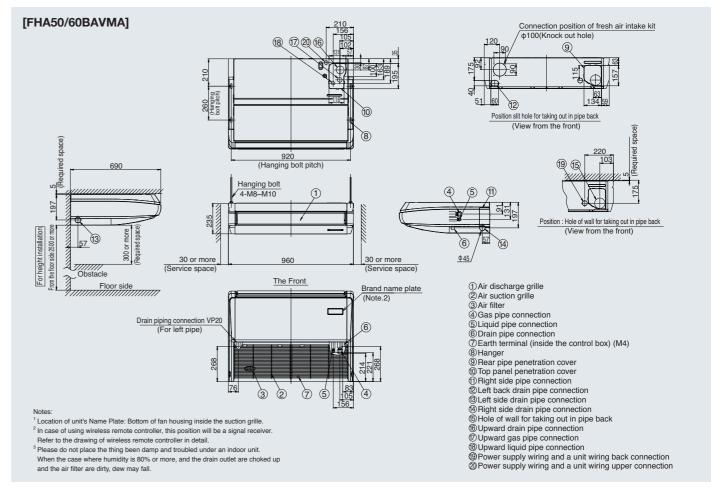
CEILING MOUNTED CASSETTE TYPE / Auto grille panel



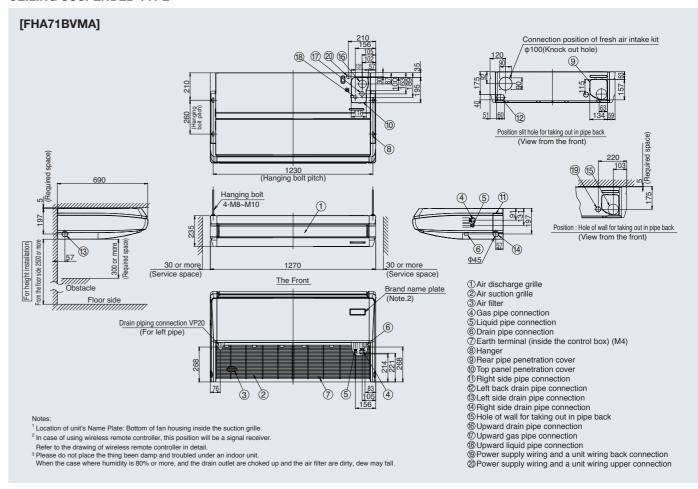
CEILING MOUNTED CASSETTE TYPE / Auto grille panel



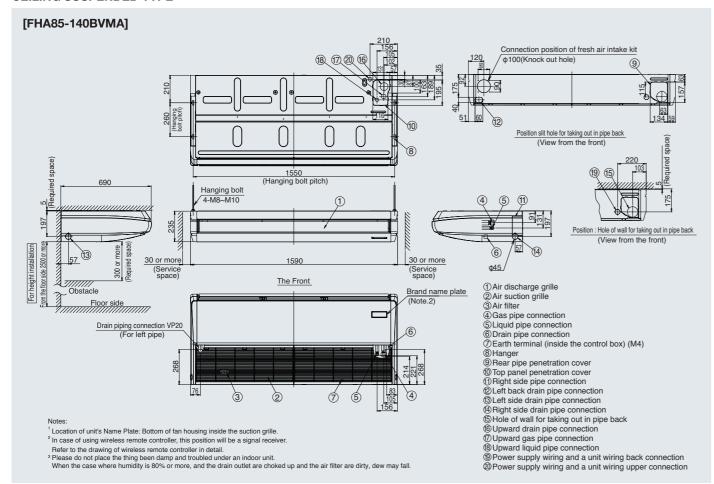
CEILING SUSPENDED TYPE



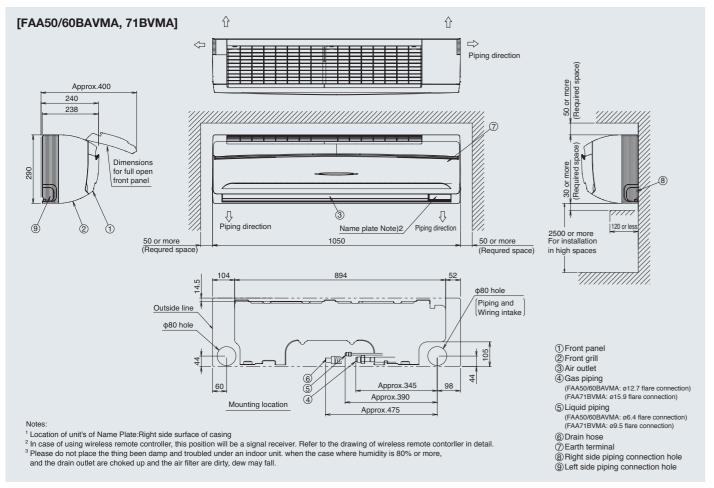
CEILING SUSPENDED TYPE



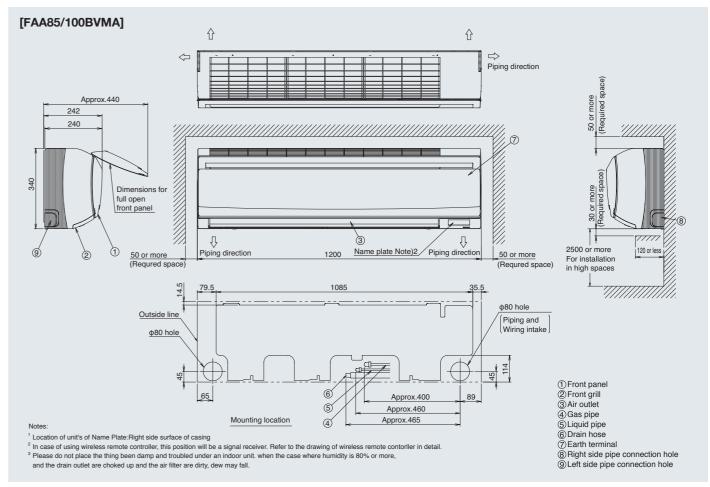
CEILING SUSPENDED TYPE



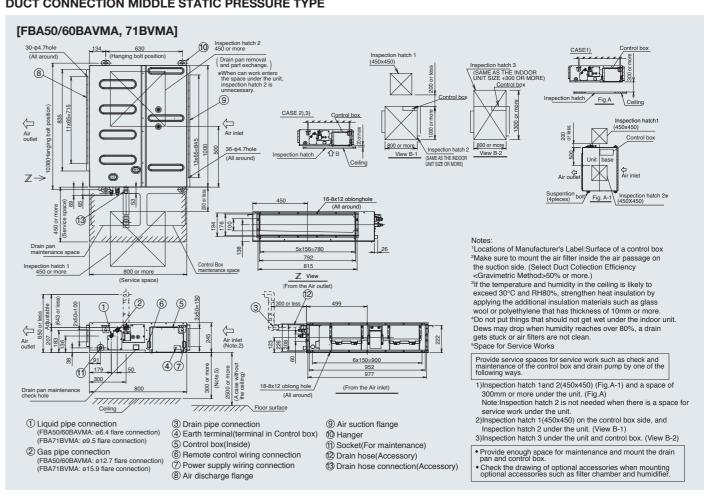
WALL MOUNTED TYPE



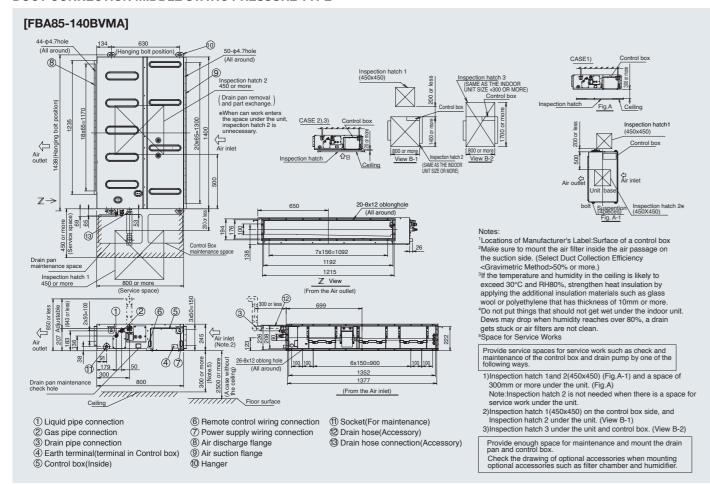
WALL MOUNTED TYPE



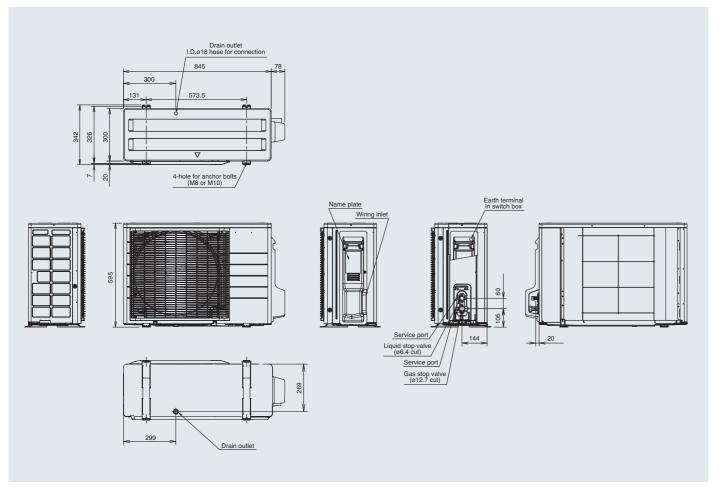
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



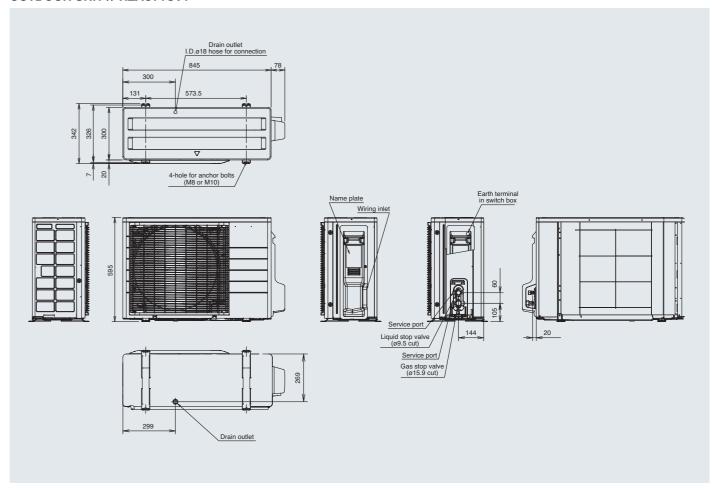
DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



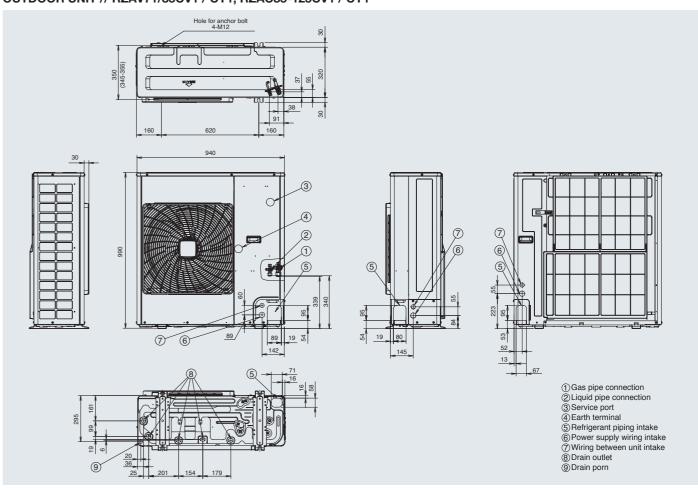
OUTDOOR UNIT // RZAV50/60CV1



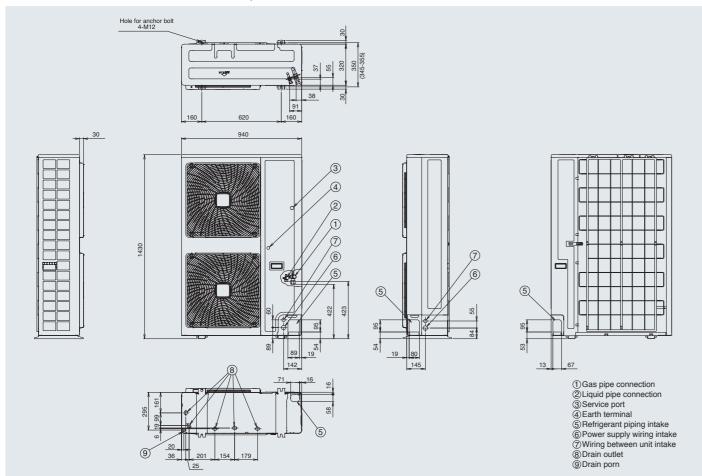
OUTDOOR UNIT // RZAC71CV1



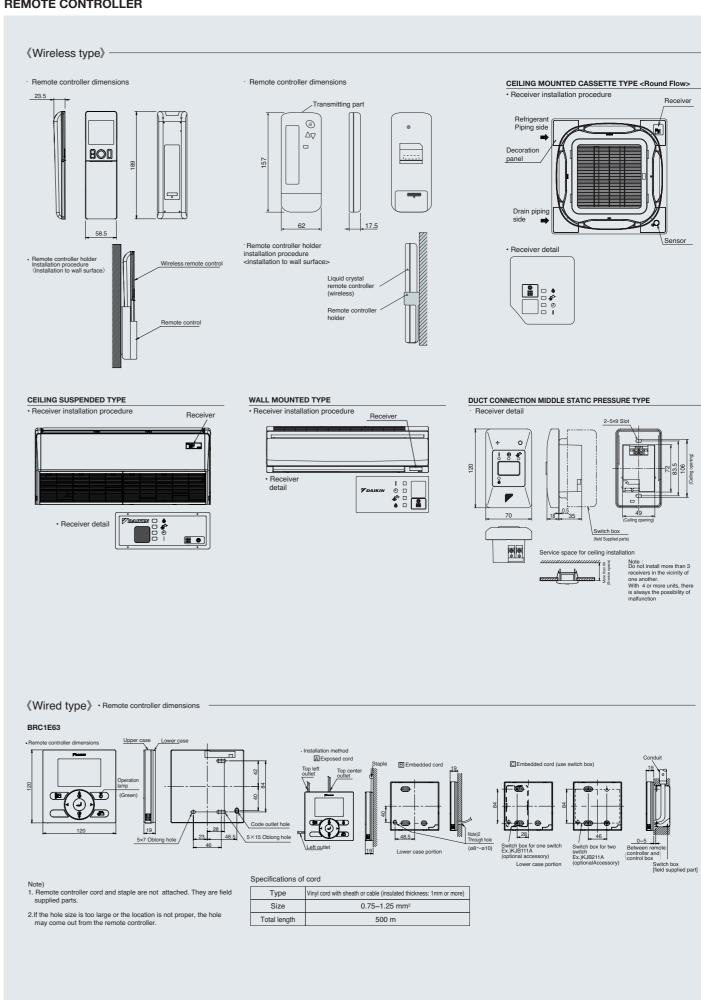
OUTDOOR UNIT // RZAV71/85CV1 / CY1, RZAC85-125CV1 / CY1



OUTDOOR UNIT // RZAV100-140CV1 / CY1, RZAC140CV1 / CY1



REMOTE CONTROLLER



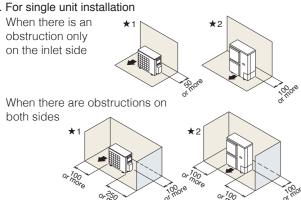
For RZAV50-140CV1/CY1, RZAC71-140CV1/CY1

★1.RZAV50/60CV1, RZAC71CV1 ★2.RZAV71-140CV1/CY1, RZAC85-140CV1/CY1

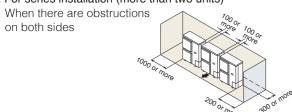
1 When there is an obstruction on the inlet side

1) When the overhead space is open

1. For single unit installation



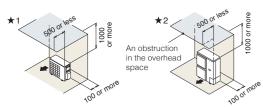
2. For series installation (more than two units)



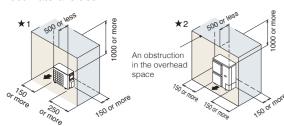
2) When there is an obstructio in the overhead space

1. For single unit installation

When there is an obstruction on the inlet side

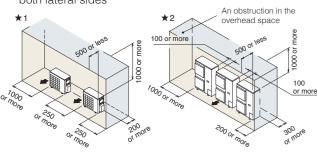


When there are obstructions on the inlet side and both lateral sides



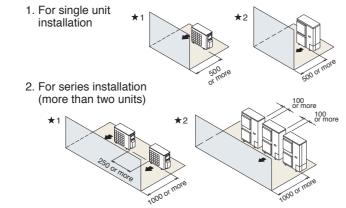
2. For series installation (more than two units)

When there are obstructions on the inlet side and both lateral sides



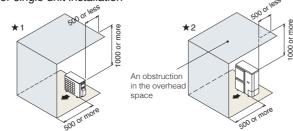
2 When there is an obstruction on the outlet side

1) When the overhead space is open

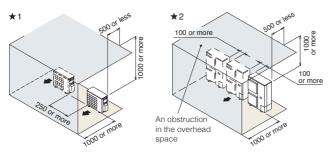


2) When there is an obstruction in the overhead space

1. For single unit installation



2. For series installation (more than two units)



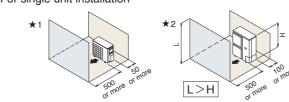
3 When there are obstructions on both the inlet and outlet sides

(When the obstruction on the outlet side is higher than the unit itself)

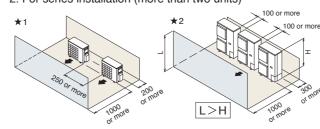
1) When the overhead space is open

(There is no limit to the height of the obstruction on the outlet side.)

1. For single unit installation



2. For series installation (more than two units)



Note: As for other patterns of installation, please refer to Installation manual or Engineering Data Book.

MEMO





- Ask a qualified installer or contractor to install this product. Do not try to install the product by yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the user's manual carefully before using this product. The user's manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

- 1. Air conditioners should not be installed in areas where corrosive gases, such as an acidic or alkaline gas, are produced.
- 2. When installing outdoor units in coastal areas, be sure to contact your local distributor and avoid direct exposure of the units to sea breezes.