



DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE



No.	Name of option	Remark	Kit name		
			FBFC40DVM FBFC50DVM FBFC60DVM	FBFC71DVM FBFC85DVM	FBFC100DVM FBFC125DVM FBFC140DVM
1	Long-life filter <sup>1</sup>		KAF631C56	KAF631C80	KAF631C160
2	High-efficiency filter <sup>1</sup>	65%	KAF632C56	KAF632C80	KAF632C160
		90%	KAF633C56	KAF633C80	KAF633C160
3	Filter chamber(for rear suction) <sup>1</sup>		KDDFP63B56	KDDFP63B80	KDDFP63B160
4	Service panel	White	KTBJ25K56W	KTBJ25K80W	KTBJ25K160W
		Fresh white	KTBJ25K56F	KTBJ25K80F	KTBJ25K160F
		Brown	KTBJ25K56T	KTBJ25K80T	KTBJ25K160T
5	Air discharge adaptor		KDAP25A56A	KDAP25A71A	KDAP25A140A
6	Shield plate for side plate			KDBD63A160	
7	Remote controller	Wireless type	Cooling	BRC4C66	
8	Simplified Remote Controller	Wired type <sup>2</sup>	BRC2E61		
9	Remote sensor (for indoor temperature)	BRC501A-4			
10	Adaptor for wiring <sup>3</sup>	BRP11B62 *			
11	Wiring adaptor for electrical appendices (2) <sup>3</sup>	KRP4AA51 *			
12	Mounting plate for adaptor PCB. <sup>3,4,5</sup>	KRP4A98			
13	Central remote controller <sup>6</sup>	DCS302CA61			
14	Unified ON/OFF controller <sup>6</sup>	DCS301BA61			
15	Schedule timer <sup>6</sup>	DST301BA61			
16	Intelligent Touch Controller <sup>6</sup>	DCS601C51			
17	Drain pump kit	BDU24AMD2			

Note: <sup>1</sup>If installing high efficiency filter and long-life filter to the unit, filter chamber is required.

<sup>2</sup>Wiring for wired remote controller should be obtained locally.

<sup>3</sup>Mounting plate is necessary for each adaptor marked \*.

<sup>4</sup>Up to 2 adaptors can be fixed for each mounting plate.

<sup>5</sup>Only one mounting plate can be installed for each indoor unit.

<sup>6</sup>The indoor unit is equipped standardly with the interface adaptor for SkyAir series. An option is unnecessary.

REMOTE CONTROLLER -Optional accessory-

Simplified Remote Controller (wired)

**NEW** BRC2E61



Simple operation

Using only six buttons, users have direct access to basic functions. This enables them to easily set comfort to their preference.

Intuitive design

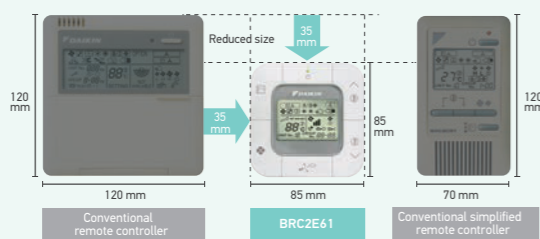
By using pictograms, the user-friendly interface enables:

Overseas guests at hotels to understand functions without having to know a foreign language.

Children and elderly users at home to operate without having to read difficult and hard-to-see commands.

Compact

Measuring only 85 x 85 mm, the new remote controller is extremely compact and complements any interior design.



Wireless remote controller

BRC4C66



The wireless remote controller is supplied in a set with a signal receiver.

Signal receiver unit of installed type is contained inside decoration panel or indoor unit.

Outdoor unit



No.	Name of option	Kit name		
		1 Phase	RZFC85/100DVM	RZFC125/140DY1
		RZFC40/50/60/71DVM <td>RZFC71/85/100DY1 <td>RZFC125/140DY1 </td></td>	RZFC71/85/100DY1 <td>RZFC125/140DY1 </td>	RZFC125/140DY1
1	Central drain plug	KKP014A4	KKP937A4	KKPJ5G280
2	Fixture for preventing overturning	—	—	KKTP5B112
3	Wire fixture for preventing overturning	—	—	K-KYZP15C



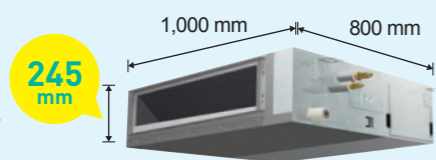
# Duct Connection Middle Static Pressure Type

Middle static type allows greater flexibility  
FBFC40/50/60/71/85/100/125/140DVM



## Design and Installation Flexibility

Only 245 mm high  
Installation is possible even in buildings with narrow ceiling spaces.

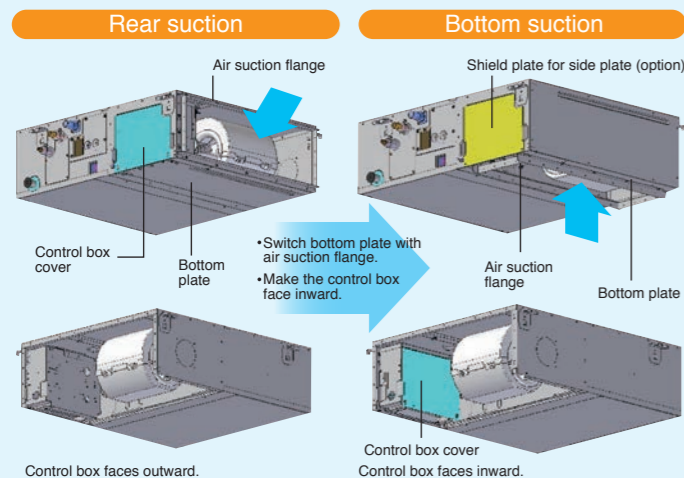
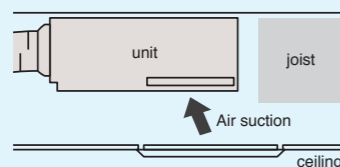


One of the industry's most compact bodies in the mid-static pressure range.

Indoor unit	FBFC40/50/60D	FBFC71/85D	FBFC100/125/140D
Height	245 mm		
Width	700 mm	1,000 mm	1,400 mm
Depth	800 mm		
Weight	26 kg	36 kg	46 kg

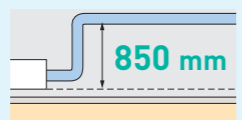
## Bottom suction is available

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



## Higher lift is realized (Option)

A DC drain pump with optional accessory is utilised.



## Adjustable E.S.P.

External static pressure can be controlled to within a range of 50 Pa to 150 Pa (FBFC100-140)\* by using a DC fan motor.



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.

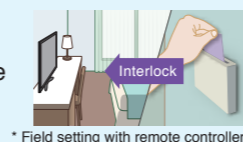
\*30-130 Pa for FBFC40-60, 40-140 Pa for FBFC71/85

## Airflow rate auto adjustment function

Controls the airflow rate using a remote controller during test run. It is automatically adjusted to approximately ±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.



## DIII-NET communication standard

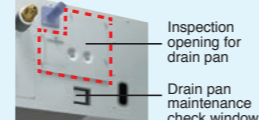
Connection to a centralised control system is available without need for an optional adaptor.

## 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 tools.



## 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.)

## Comfort

Switchable fan speed: 3 steps and Auto  
"Auto" is applicable when BRC2E61 is used.

## High Efficiency

DC fan motor and DC drain pump (Option)  
These are utilised to improve energy efficiency.

# SPECIFICATIONS

## DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE (1 Phase)



		40	50	60	71	85	100	
Model Name	Indoor unit	FBFC40DVM	FBFC50DVM	FBFC60DVM	FBFC71DVM	FBFC85DVM	FBFC100DVM	
	Outdoor unit	RZFC40DVM	RZFC50DVM	RZFC60DVM	RZFC71DVM	RZFC85DVM	RZFC100DVM	
Power supply	Indoor unit	1 Phase, 220-240 / 220-230V, 50 / 60Hz						
Cooling Capacity <sup>1,2</sup> Rated (Min. - Max.)	kW	4.0 (1.8-4.5)	5.0 (2.3-5.6)	6.0 (2.6-6.3)	7.1 (3.2-8.0)	8.5 (4.2-10.0)	10.0 (5.0-11.2)	
	Btu/h	13,600 (6,100-15,400)	17,000 (7,800-19,100)	20,500 (8,900-21,500)	24,200 (10,900-27,300)	29,000 (14,300-34,100)	34,100 (17,100-38,200)	
Power consumption	Cooling <sup>1</sup>	1.19	1.56	2.07	2.37	2.74	3.17	
COP	W/W	3.35	3.20	2.90	3.00	3.10	3.15	
CSPF	Wh/Wh	4.38	4.18	4.18	3.98	3.98	3.98	
Indoor unit	Colour	Ivory white						
	Fan	Airflow rate (H/M/L)	15.5 / 12 / 9		25 / 20 / 16.5		36 / 30.5 / 25	
		External static pressure <sup>3</sup>	Pa		Rated 30 (30-130)		Rated 40 (40-140)	
		Sound pressure level <sup>4</sup> (H/M/L)	dB(A)		37 / 35 / 30		39 / 37 / 34	
		Air filter <sup>5</sup>	—					
		Dimensions (H×W×D)	mm			245×700×800		245×1,000×800
		Machine weight	kg			26		36
Outdoor unit	Colour	Ivory white						
	Coil	Type	Micro channel					
	Compressor	Type	Hermetically sealed swing type					
		Motor output	kW		1.20		1.30	
		Refrigerant charge (R32)	kg		0.7 (Charged for 10 m)		1.0 (Charged for 15 m)	
		Sound pressure level <sup>4</sup> Cooling	dB(A)		48		49	
		Dimensions (H×W×D)	mm			595×845×300		695×930×350
Piping connections	Liquid (Flare)	mm		φ6.4		φ9.5		
	Gas (Flare)	mm		φ12.7		φ15.9		
	Drain	Indoor unit	mm				VP25 (I.D.φ25×O.D.φ32)	
	Outdoor unit	mm				φ18.0 (Hole)		
Max. interunit piping length	m	30 (Equivalent length 40)			50 (Equivalent length 70)			
Max. installation level difference	m	15			30			
Heat insulation	Both liquid and gas piping							

## DUCT CONNECTION MIDDLE STATIC PRESSURE TYPE (3 Phase)



		71	85	100	125	140	
Model Name	Indoor unit	FBFC71DVM	FBFC85DVM	FBFC100DVM	FBFC125DVM	FBFC140DVM	
	Outdoor unit	RZFC71DY1	RZFC85DY1	RZFC100DY1	RZFC125DY1	RZFC140DY1	
Power supply	Indoor unit	3 Phase, 380-415V, 50Hz					
Cooling Capacity <sup>1,2</sup> Rated (Min. - Max.)	kW	7.1 (3.2-8.0)	8.5 (4.2-10.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	14.0 (6.2-15.5)	
	Btu/h	24,200 (10,900-27,300)	29,000 (14,300-34,100)	34,100 (17,100-38,200)	42,700 (19,500-47,800)	47,800 (21,200-52,900)	
Power consumption	Cooling <sup>1</sup>	2.37	2.74	3.17	5.21	6.22	
COP	W/W	3.00	3.10	3.15	2.40	2.25	
CSPF	Wh/Wh	3.98	3.98	3.98	3.71	3.60	
Indoor unit	Colour	Ivory white					
	Fan	Airflow rate (H/M/L)	25 / 20 / 16.5		36 / 30.5 / 25		
		External static pressure <sup>3</sup>	Pa		Rated 40 (40-140)		
		Sound pressure level <sup>4</sup> (H/M/L)	dB(A)		39 / 37 / 34		
		Air filter <sup>5</sup>	—				
		Dimensions (H×W×D)	mm			245×1,000×800	
		Machine weight	kg			36	
Outdoor unit	Colour	Ivory white					
	Coil	Type	Micro channel				
	Compressor	Type	Hermetically sealed swing type				
		Motor output	kW		1.60		
		Refrigerant charge (R32)	kg		1.0 (Charged for 15 m)		
		Sound pressure level <sup>4</sup> Cooling	dB(A)		50		
		Dimensions (H×W×D)	mm			695×930×350	
Piping connections	Liquid (Flare)	mm		φ9.5			
	Gas (Flare)	mm		φ15.9			
	Drain	Indoor unit	mm				
	Outdoor unit	mm					
Max. interunit piping length	m	φ18.0 (Hole)			50 (Equivalent length 70)		
Max. installation level difference	m	30			φ26.0 (Hole)		
Heat insulation	Both liquid and gas piping						

Note:

<sup>1</sup>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)

<sup>2</sup>Capacities are net, including a deduction for cooling for indoor fan motor heat.

<sup>3</sup>External static pressure is changeable in 11 stages by remote controller.

<sup>4</sup>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.

<sup>5</sup>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.