

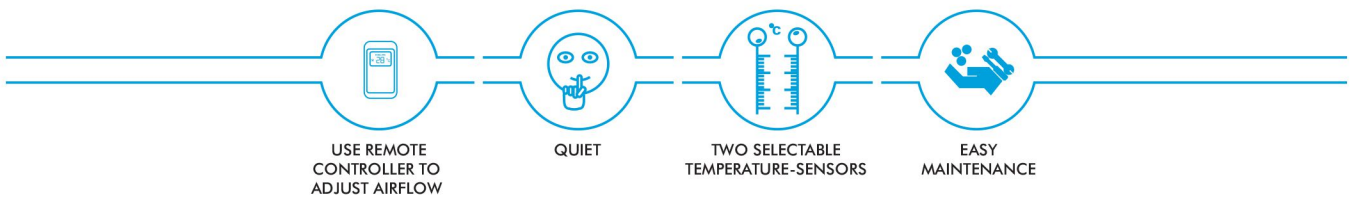
FBQ SERIES

COOLING ONLY & HEAT PUMP



FLEXIBLE USE OF SPACE IS MADE POSSIBLE USING DUCTS TO CREATE A ROOM FILLED WITH COMFORT.

R-410A



FBQ50~140D (COOLING ONLY)	5.0 KW ~ 14.0 KW	COOLING
FBQ71~140D (HEAT PUMP)	7.1 KW ~ 13.1 KW	COOLING
	8.0 KW ~ 16.0 KW	HEATING

ACCESSORY REQUIRED FOR INDOOR UNIT

WIRELESS LCD REMOTE CONTROLLER

Option

A signal receiver must be added to the indoor unit.

BRC4M150W16

BRC4M61-6

SIGNAL RECEIVER UNIT
(Installed type)

Wireless remote controller and signal receiver unit are sold separately.

NAVIGATION REMOTE CONTROLLER

Standard

BRC1E62
(Wired Remote Controller)

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

1 TR (TONS OF REFRIGERATION) = 3.517 KW

DUCT CONNECTION MIDDLE AND HIGH STATIC PRESSURE TYPE (Cooling Only)



		50	60	71	100	125	140	100	125	140		
Model Name	Indoor unit	FBQ50DV1	FBQ60DV1	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1		
	Outdoor unit	RZR50LVVM6	RZR60LVVM6	RZR71LVVM6	RZR100LVVM6	RZR125LVVM6	RZR140LVVM6	RZR100LUY1	RZR125LUY1	RZR140LUY1		
Power supply		1 Phase, 220-240 V, 50 Hz						Outdoor unit : 3 Phase, 380-415 V, 50 Hz				
Cooling capacity ¹ Rated (Min. - Max.)		kW	5 (2.3-5.6)	6 (2.6-6.3)	7.1 (3.2-8.0)	10 (5.0-11.2)	12.5 (5.7-14.0)	14 (6.2-15.4)	10 (5.0-11.2)	12.5 (5.7-14.0)	14 (6.2-15.4)	
Power consumption		Cooling	1.39	1.69	2.22	2.82	3.73	4.71	2.82	3.73	4.71	
Indoor unit	Colour											
	Fan	Airflow rate (H/L)	18/15			32/23	39/28		32/23	39/28		
		Cooling	635/530			1,130/812	1,377/988		1,130/812	1,377/988		
	External static pressure ²		Pa	50-200								
	Sound level ³		Cooling (H/L)	37/32			38/33	40/36		38/33	40/36	
	Dimensions (HxWxD)		mm	300x1,000x700			300x1,400x700					
	Machine weight		kg	36			46					
	Certified Operation range		Cooling	°CWB 14 to 25								
Outdoor unit	Colour		Ivory white									
	Compressor	Type	Hermetically sealed swing type				Hermetically sealed scroll type					
		Motor output	kW	1.12	1.35	1.76	2.03	2.4	2.9	1.8	2.4	2.9
	Refrigerant charge (R-410A)		kg	1.6 (Charged for 30 m)			3.35 (Charged for 30 m)	3.7 (Charged for 30 m)		2.7 (Charged for 30 m)	3.7 (Charged for 30 m)	
	Sound level ³	Cooling	dB(A)	48			49	50		49	50	
		Night quiet mode	dB(A)	44			45	46		45	46	
	Dimensions (HxWxD)		mm	595X845X300			990X940X320	990X940X320		1,170X900X320		
Machine weight		kg	43			78	97		92	97		
Certified Operation range Cooling		°CDB	21 to 46									
Piping connections	Liquid (Flare)		mm Ø9.5									
	Gas (Flare)		mm Ø15.9									
	Drain	Indoor unit	mm I.DØ25xO.DØ32									
		Outdoor unit	mm Ø26.0 (Hole)									
Max. interunit piping length		m	50 (Equivalent length 70)									
Max. installation level difference		m	30									
Heat insulation		Both liquid and gas piping										

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

2 Initial setting is standard.

3 Anaechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCT CONNECTION MIDDLE AND HIGH STATIC PRESSURE TYPE (Heat Pump)



R-410A

Model Name		71	100	125	140	100	125	140	
Indoor unit		FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1	
Outdoor unit		RZQ71KCV4A	RZQ100KCV4A	RZQ125KCV4A	RZQ140KCV4A	RZQ100HAY4A	RZQ125HAY4A	RZQ140HAY4A	
Power supply		Indoor unit : 1 Phase, 220-240 V, 50 Hz Outdoor unit : 1 Phase, 240 V, 50 Hz				Indoor unit : 1 Phase, 220-240 V, 50 Hz Outdoor unit : 3 Phase, 415 V, 50 Hz			
Cooling capacity ¹ Rated (Min. - Max.)	kW	7.1 (3.2-8.0)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.1 (6.2-15.4)	10.0 (5.0-11.2)	12.5 (5.7-14.0)	13.1 (6.2-15.4)	
Heating capacity ² Rated (Min. - Max.)	kW	8.0 (3.5-9.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)	11.2 (5.1-12.8)	14.0 (6.0-16.2)	16.0 (6.2-18.0)	
Power consumption	Cooling ¹	2.22	3.17	3.97	4.16	3.17	3.97	4.16	
	Heating ²	2.43	3.15	3.95	4.68	3.15	3.95	4.68	
COP	Cooling	3.20				3.15			
	Heating	3.29	3.56	3.54	3.42	3.56	3.54	3.42	
Indoor unit	Colour	Ivory white							
	Fan	Airflow rate (H/L)	m ³ /min	18/15	32/23	39/28	32/23	39/28	
			cfm	635/530	1,130/812	1,377/988	1,130/812	1,377/988	
	External static pressure ³ (Middle-High)		Pa	50-200					
	Sound level (H/L) ⁴	dB(A)	37/32	38/33	40/36	40/36	38/33	40/36	
	Dimensions (HX WX D)		mm	300X 1,000X 700					
	Machine weight		kg	46					
	Certified Operation range	Cooling	°CWB	14 to 25					
		Heating	°CDB	15 to 27					
	Outdoor unit	Colour	Ivory white						
Compressor		Type	Hermetically sealed swing type		Hermetically sealed scroll type				
		Motor output	kW	1.7	1.9	2.4	2.9	1.9	2.4
Refrigerant charge (R-410A)			kg	2.75	3.7	4.3	2.75	3.7	4.3
				(Charged for 30 m)		(Charged for 30 m)		(Charged for 30 m)	
Sound level		Cooling/ Heating ⁴	dB(A)	48/50	49/51	50/52	49/51	50/52	
		Night quiet mode	dB(A)	44	45	46	45	46	
Dimensions (HX WX D)		mm	770X 900X 320	1,170X 900X 320			1,345X 900X 320		
Machine weight		kg	68	98			108		
Certified Operation range		Cooling	°CDB	-5 to 46					
	Heating	°CWB	-15 to 15.5						
Piping connections	Liquid (Flare)	mm	Ø9.5						
	Gas (Flare)	mm	Ø15.9						
	Drain	Indoor unit	mm	I.D.Ø25X O.D.Ø32					
Outdoor unit		mm	Ø26.0 (Hole)						
Max. interunit piping length		m	50 (Equivalent length 70)	75 (Equivalent length 90)					
Max. installation level difference		m	30						
Heat insulation			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, outdoor temp., 7°CDB, 6°CWB. Equiv. refrigeration piping, 7.5 m (horizontal)

3Initial setting is standard.

4Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.

DUCT CONNECTION MIDDLE & HIGH STATIC PRESSURE TYPE



Name of option	Remark	Kit name					
		FBQ50DV1	FBQ60DV1	FBQ71DV1	FBQ100DV1	FBQ125DV1	FBQ140DV1
High-efficiency filter ¹	(Colorimetric method 65%)		KAF372AA80			KAF372AA160	
	(Colorimetric method 90%)		KAF373AA80			KAF373AA160	
Filter chamber			KDDF37AA80			KDDF37AA160	
Replacement long-life filter			KAF371AA80			KAF371AA160	
Replacement long-life filter chamber kit			KAF375AA80			KAF375AA160	
Service panel			KTBJ25KA80W			KTBJ25KA160W	
			KTBJ25K80F			KTBJ25K160F	
			KTBJ25K80T			KTBJ25K160T	
			KDAJ25K71A			KDAJ25K140A	
Air discharge adaptor	Wireless type	Cooling Only				BRC4C64	
		Heat Pump				BRC4C62	
	Wired type ²					BRC1C61	
Wired LCD remote controller with weekly schedule timer ²						BRC1D61	
Navigation Remote Controller	Wired type ²					BRC1E62	
Adaptor for wiring (interlock for fresh air intake fan)						KRP1C64*	
Wiring adaptor for electrical appendices						KRP4AA51*	
Remote sensor						KRCS01-4B	
Mounting plate for adaptor PCB.3						KRP4A96 5,6	
Central remote controller ⁴						DCS302CA61	
Unified ON/OFF controller ⁴						DCS301BA61	
Schedule timer ⁴						DST301BA61	
Intelligent Touch Controller ⁴						DCS601C51	

Note: ¹If installing a high efficiency filter on the unit, an assembly chamber for either bottom or rear suction is required.

²Wiring for wired remote controller to be procured locally.

³Mounting plate for adaptor PCB is necessary for each adaptor marked

⁴This type of indoor units is equipped with the interface adaptor for SkyAir series. DTA112BA51 is unnecessary. ⁵Up to 2 adaptors can be fixed for each mounting plate.

⁶Only one mounting plate can be installed for each indoor unit.