

# FBQ-C / RXS-G/F

## Concealed Ceiling Unit



BRC1D52



BRC1E51A



FBQ35,50C



RXS35G

- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible (BRC1D52 standard / BRC1E51A optional).
- **BRC1E51A – New optional wired controller** allows easy navigation through menu items, via a personalised display and minimal number of buttons.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Quiet operation
- Maximum external static pressure (ESP) is 100Pa
- Optional discharge and suction duct flangers available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

HEAT PUMP				INVERTER			
Indoor Units				FBQ35C	FBQ50C	FBQ60C	
Capacity	Cooling capacity	Standard	kW	3.40	5.0	5.7	
	Heating capacity	Standard	kW	4.0	6.0	7.0	
EER / COP	Cooling / Heating			3.22 / 3.42	3.21 / 3.41	3.21 / 3.41	
Annual energy consumption			kWh	528	776	888	
Energy Label	cooling / heating			A / B			
Dimensions	(Height x Width x Depth)		mm	300x700x700		300x1000x700	
Weight			kg	25		34	
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min	16 / 11		18 / 15	
	Heating	High/Low	m <sup>3</sup> /min	16 / 11		18 / 15	
Sound Power	Cooling	High	dBA	63		57	
Sound Pressure	Cooling	High/Low	dBA	37 / 29			
	Heating	High/Low	dBA	37 / 29			
External Static Pressure		High/Medium/Low	Pa	70 / 30 / 30		100 / 30 / 30	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			
Decoration Panel	Model			BYBS45D		BYBS71D	
	Colour			White			
	HxWxD		mm	55x800x500		55x1100x500	
	Weight		kg	3.5		4.5	
Controller		Wired		BRC1D52 (standard) / BRC1E51A (optional)			

Outdoor Unit				RXS35G	RXS50G	RXS60F	
Dimensions	(Height x Width x Depth)		mm	550x765x285	735x825x300	735x825x300	
Weight			kg	34	48	48	
Operation Range	Cooling	Min~Max	°CDB	-10~46	-10~46	-10~46	
	Heating	Min~Max	°CWB	-15~20	-15~20	-15~18	
Sound Power	Cooling		dBA	63	61	63	
Sound Pressure (Low)	Cooling		dBA	44	44	46	
	Heating		dBA	45	45	46	
Sound Pressure (High)	Cooling		dBA	48	48	49	
	Heating		dBA	48	48	49	
Refrigerant			Type	R-410A			
Power Supply				1~(*)/220-240V/50Hz	1~/220-240V/50Hz		
Piping connections	Liquid (OD)/Gas		mm	6.35/9.52	6.35/12.7		
Piping Length (Maximum)			m	20	30		
Max Installation Height Difference			m	15	20		

(\*) A separate 1ph 5 amp power supply to the indoor unit is required.



# FBQ-C / RZQS-D

## Concealed Ceiling Unit



BRC1D52



BRC1E51A



FBQ100,125,140C



RZQS100,125,140D

- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible (BRC1D52 standard / BRC1E51A optional).
- **BRC1E51A – New optional wired controller** allows easy navigation through menu items, via a personalised display and minimal number of buttons.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.
- **User Access:** different levels of user access can be selected.
- Quiet operation
- Maximum external static pressure (ESP) is 100Pa
- Optional discharge and suction duct flangers available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications

HEAT PUMP				COMFORT INVERTER			
Indoor Units				FBQ71C	FBQ100C	FBQ125C	FBQ140C
Capacity	Cooling capacity	Standard	kW	7.1	10.0	12.5	13.4
	Heating capacity	Standard	kW	8.0	11.2	14.0	15.0
EER / COP	Cooling / Heating			3.26 / 3.55	3.3 / 3.65	3.14 / 3.41	2.81 / 3.21
Annual energy consumption			kWh	1,089	1,515	1,990	2,384
Energy Label	cooling / heating			A / B	A / A	B / B	C / C
Dimensions (Height x Width x Depth)			mm	300x1000x700		300x1400x700	
Weight			kg	34	45		
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min	18 / 15	32 / 23	33 / 28	
	Heating	High/Low	m <sup>3</sup> /min	18 / 15	32 / 23	39 / 28	41 / 29
Sound Power	Cooling			57	61	66	
	Heating			57	61	66	
Sound Pressure	Cooling	High/Low	dBA	37 / 29	38 / 32	40 / 33	
	Heating	High/Low	dBA	37 / 29	38 / 32	40 / 33	41 / 34
External Static Pressure			Pa	100 / 30 / 30	120 / 40 / 40	120 / 50 / 50	
Refrigerant			Type	R-410A			
Power Supply				1~/230V/50Hz			
Decoration Panel	Model			BYBS71DJW1	BYBS125DJW1		
	Colour			White			
	HxWxD			55x1100x500	55x1500x500		
	Weight			4.5	6.5		
Controller			Wired	BRC1D52 (standard) / BRC1E51A (optional)			

Outdoor Unit				RZQS71DV1	RZQS100DV1	RZQS125DV1	RZQS140DV1
Dimensions (Height x Width x Depth)			mm	770x900x320	1170x900x320		
Weight			kg	68	103		
Operation Range	Cooling	Min~Max	°CDB	-5~46			
	Heating	Min~Max	°CWB	-15~-15.5			
Sound Power	Cooling			65	67	68	
	Heating			65	67	68	
Sound Pressure (Standard)	Cooling	dBA		49	51	52	
	Heating	dBA		51	55	53	54
Sound Level (Night quiet)	Sound Pressure			47	49	50	
Refrigerant			Type	R-410A			
Power Supply				1~/220-240V/50Hz			
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26			
Piping Length (Maximum)			m	30	50		
Max. interunit level difference			m	0.5			
Max Installation Height Difference			m	15	30		



Seasonal Inverter

INVERTER

# FBQ-C / RZQ-D/B9W1

## Concealed Ceiling Unit



BRC1D52



BRC1E51A



FBQ100,125,140C



RZQ100,125,140D

- Reduction in power consumption thanks to DC inverter fans
- Improved comfort thanks to 3-step air flow control
- Possibility to change ESP through wired remote control, allows optimisation of the supply air volume
- **Seasonal Inverter Technology:** first Sky Air range in the market optimized for seasonal efficiency.
- **Wired remote controller** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible (BRC1D52 standard / BRC1E51A optional).
- **BRC1E51A – New optional wired controller** allows easy navigation through menu items, via a personalised display and minimal number of buttons.
- **Home Leave operation:** in case of extended absence, this function helps to save energy and protects from frost. The function automatically keeps the room temperature at a specified favourite comfort level by switching to heating when it reaches the minimum level and to cooling when it reaches the maximum level.

- **User Access:** different levels of user access can be selected.
- Quiet operation
- Maximum external static pressure (ESP) is 88Pa
- Optional discharge and suction duct flanger available
- Connection to multi outdoor possible
- Suitable for Twin, Triple and Double Twin applications
- Communications, computer and server room cooling possible with EDP setting.
- Re-use of existing R22 and R407C piping possible. (See R22 Replacement leaflet)



HEAT PUMP				SEASONAL INVERTER							
Indoor Units				FBQ71C	FBQ100C		FBQ125C		FBQ140C		
Capacity	Cooling capacity	Standard	kW	7.1	10.0		12.5		13.4		
	Heating capacity	Standard	kW	8.0	11.2		14.0		15.5		
Nominal	EER / COP	Cooling / Heating		3.39 / 3.85	3.70 / 4.16	3.50 / 3.73	3.48 / 3.62	3.14 / 3.51	3.01 / 3.41	2.82 / 3.21	
	Annual energy consumption	kWh		1047	1351	1430	1796	1990	2226	2380	
	Energy Label	Cooling / Heating		A / A		A / A		B / B		C / C	
Seasonal (*)	SEER / SCOP	Cooling / Heating		3.73 / -	3.48 / -	3.42 / -	3.82 / -	3.56 / -	3.25 / -	3.22 / -	
Dimensions	(Height x Width x Depth)		mm	300x1000x700		300x1400x700					
Weight			kg	34	45						
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min	18 / 15	32 / 23		39 / 28		41 / 29		
	Heating	High/Low	m <sup>3</sup> /min	18 / 15	32 / 23		39 / 28		41 / 29		
Sound Power	Cooling	High	dB(A)	57	61		66				
Sound Pressure	Cooling	High/Low	dB(A)	37 / 29	38 / 32		40 / 33		41 / 34		
	Heating	High/Low	dB(A)	37 / 29	38 / 32		40 / 33		41 / 34		
External Static Pressure	High/Medium/Low		Pa	100 / 30 / 30	120 / 40 / 40		120 / 50 / 50				
Refrigerant			Type	R-410A							
Power Supply				1~/230V/50Hz							
Decoration Panel	Model			BYB571DJW1	BYB5125DJW1						
	Colour			White							
	HxWxD	mm		55x1100x500	55x1500x500						
	Weight	kg		4.5	6.5						
Controller	Wired		BRC1D52 (standard) / BRC1E51A (optional)								

  

Outdoor Unit				RZQ71D3V1	RZQ100D9V1	RZQ100B9W1	RZQ125D9V1	RZQ125B9W1	RZQ140D9V1	RZQ140B9W1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320		1345x900x320		1345x900x320	
Weight			kg	67	108	106	108	106	108	106
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0						
	Heating	Min~Max	°CWB	-20.0~15.5						
Sound Power	Cooling		dB(A)	64	65	67	66	68	66	
Sound Pressure (Standard)	Cooling		dB(A)	48	50	51	50	51	50	
	Heating		dB(A)	50	52	53	52	53	52	
Sound Level (Night quiet)	Sound Pressure		dB(A)	43	45		46		45	
Refrigerant			Type	R-410A						
Power Supply				1~/220-240V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz	1~/220-240V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26						
Piping Length (Maximum)			m	50	75					
Max. internunit level difference			m	0.5						
Max installation height difference			m	30						

(\*) Seasonal efficiencies are calculated based on draft PrEn 14825: 2009 (under inquiry stage). Data are subject to change.