



# FHQ(G) / RZQ-D/B9W1

Ceiling suspended unit



BRC1E51A



FHQ71C



FHQ71B



RZQ100-125-140D

- **Seasonal Inverter technology:** first light commercial range in the market optimized for Seasonal Efficiency. It takes account of multiple cooling and heating temperatures as well as unit operation at partial load instead of just full capacity. It will also consider the power consumed by equipment in auxiliary mode (thermostat off, standby mode, OFF mode)
- **BRC1E51A – new wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons. 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

- Ideal solution for shops, restaurants or offices without false ceilings
- New design and new vertical louvres allows longer or wider air flow pattern
- The unit can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- Communications, computer and server room cooling possible with EDP setting
- Suitable for Twin, Triple and Double Twin applications
- Re-use of existing R22 and R407C piping possible (see R22 Replacement leaflet)



HEAT PUMP				SEASONAL INVERTER					
Indoor Units				FHQG71C	FHQG100C	FHQ100B	FHQG125C	FHQ125B	FHQG140C
Nominal Capacity	Cooling capacity	Standard	kW	7.1	10.0	10.0	12.5	12.5	14.0
	Heating capacity	Standard	kW	8.0	11.2	11.2	14.0	14.0	16.0
Nominal	EER / COP	Cooling / Heating		3.48 / 3.85	3.40 / 4.00	3.17 / 3.11	3.07 / 3.70	2.81 / 3.11	2.81 / 3.50
	Annual energy consumption		kWh	1020	1470	1575	2036	2225	2490
	Energy Label	Cooling / Heating		A / A	A / A	B / D	B / A	C / D	C / B
Dimensions	(Height x Width x Depth)		mm	235x1270x690	235x1590x690	195x1400x680	235x1590x690	195x1590x680	235x1590x690
Weight			kg	32.0	38.0	32.0	38.0	35.0	38.0
Air Flow Rate	Cooling	High/Low	m <sup>3</sup> /min	20.5 / 14.0	28.0 / 20.0	24.0 / 20.0	31.0 / 23.0	30.0 / 25.0	34.0 / 24.0
	Heating	High/Low	m <sup>3</sup> /min	20.5 / 14.0	28.0 / 20.0	24.0 / 20.0	31.0 / 23.0	30.0 / 25.0	34.0 / 24.0
Sound Power	Cooling	High	dBA	55.0	60.0	58.0	62.0	60.0	64.0
Sound Pressure	Cooling	High	dBA	38.0	42.0	42.0	44.0	44.0	46.0
	Heating	High	dBA	38.0	42.0	42.0	44.0	44.0	46.0
Refrigerant			Type	R-410A					
Power Supply				1~/220-240V/50Hz					
Controller			Wired	BRC1E51A					

Outdoor Unit			RZQ71D3V1	RZQ100D9V1	RZQ100B9W1	RZQ125D9V1	RZQ125B9W1	RZQ140D9V1
Dimensions	(Height x Width x Depth)		mm	770x900x320	1345x900x320			1345x900x320
Weight			kg	67	108	106	108	106
Sound pressure level	Cooling (Night quiet mode)		dBA	48 (43)	50 (45)	50 (45)	51 (45)	50 (45)
	Heating		dBA	50	52	52	53	52
Sound power level	Cooling		dBA	64	65		67	66
	Heating		dBA				68	68
Operation Range	Cooling	Min~Max	°CDB	-15.0~50.0				
	Heating	Min~Max	°CWB	-20.0~15.5				
Refrigerant			Type	R-410A				
Power Supply				1~/230V/50Hz	1~/230V/50Hz	3N~/400V/50Hz	1~/230V/50Hz	3N~/400V/50Hz
Piping connections	Liquid (OD)/Gas/Drain		mm	9.52 / 15.9 / 26				
Piping Length (Maximum)			m	50	75			
Max. interunit level difference			m	0.5				
Max Installation Height Difference			m	30				