

# Ceiling Suspended – Seasonal Smart



Indoor Units			Single Phase				3 Phase			
			FHQ71CB	FHQ100CB	FHQ125CB	FHQ140CB	FHQ71CB	FHQ100CB	FHQ125CB	FHQ140CB
Capacity	UK Total Cooling	kW	7.76	10.80	13.60	14.90	7.76	10.80	13.60	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	5.32	7.44	9.30	10.25
	Nominal Cooling	kW	6.80	9.50	12.00	13.40	6.80	9.50	12.00	13.40
	Nominal Heating	kW	7.50	10.80	13.50	15.50	7.50	10.80	13.50	15.50
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A+	-	A++	A++	A+	-
	Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
	SEER		6.86	6.11	6.01	-	6.95	6.11	6.01	-
	Annual Energy Consumption	kWh	347	545	699	-	347	545	699	-
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A++	A+	-	A+	A++	A+	-
	Pdesign	kW	7.60	11.30	14.13	-	7.60	11.30	14.13	-
	SCOP		4.32	4.61	4.23	-	4.32	4.61	4.23	-
	Annual Energy Consumption	kWh	2463	3431	4677	-	2463	3431	4677	-
Nominal Efficiency	EER / COP		3.82 / 4.13	3.81 / 4.15	3.52 / 3.89	3.31 / 3.63	3.82 / 4.13	3.81 / 4.15	3.52 / 3.89	3.31 / 3.63
	Energy Label		A / A	A / A	A / A	A / A	A / A	A / A	A / A	A / A
	Annual Energy Consumption	kWh	890	1245	1790	2025	890	1245	1790	2025
Air Flow Rate (Cooling)	High / Nom / Low	m <sup>3</sup> /sec	0.342 / 0.283 / 0.233	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	0.567 / 0.483 / 0.400	0.342 / 0.283 / 0.233	0.467 / 0.400 / 0.333	0.517 / 0.450 / 0.383	0.567 / 0.483 / 0.400
Dimensions	Height	mm	235	235	235	235	235	235	235	235
	Width	mm	1270	1590	1590	1590	1270	1590	1590	1590
	Depth	mm	690	690	690	690	690	690	690	690
Weight		kg	32	38	38	38	32	38	38	38
Sound Pressure (Cooling)	High / Nom / Low	dBA	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38	38 / 36 / 34	42 / 38 / 34	44 / 41 / 37	46 / 42 / 38
	Sound Power (Cooling)	dBA	55	60	62	64	55	60	62	64
<b>Outdoor Units</b>			<b>RZQG71L8Y1</b>	<b>RZQG100L8Y1</b>	<b>RZQG125L8Y1</b>	<b>RZQG140L8Y1</b>	<b>RZQG71L8Y1</b>	<b>RZQG100L8Y1</b>	<b>RZQG125L8Y1</b>	<b>RZQG140L8Y1</b>
Dimensions	Height x Width x Depth	mm	990 x 940 x 320		1430 x 940 x 320		990 x 940 x 320		1430 x 940 x 320	
Weight		kg	69	95		80	101			
Electrical Details	Power Supply		1ph				3ph			
	Running Current	A	7.27	10.18	14.63	16.55	2.74	3.83	5.50	6.23
	Starting Current	A	4	4	4	4	4	4	4	4
	Max Fuse Size	A	20	32	32	32	16	20	20	20
Interconnection Wiring	Core / Cable size		3+E / 1.5				3+E / 1.5			
Piping Connections	Liquid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)			
Pipework	Maximum Length	m	50	75	75	75	50	75	75	75
	Maximum Vertical Rise	m	30	30	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30	30	30
	Additional Charge	g/m	Refer to Installation Manual				Refer to Installation Manual			
	Holding Charge	kg	2.9	4.0	4.0	4.0	2.9	4.0	4.0	4.0
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	48 / 43	50 / 45	51 / 45	52 / 45	48 / 43	50 / 45	51 / 45	52 / 45
Sound Power		dBA	64	66	67	69	64	66	67	69
Air Flow Rate (Cooling)	Nominal	m <sup>3</sup> /sec	0.983	1.166	1.166	1.400	0.983	1.166	1.166	1.400
ECA Eligible			●	●	●		●	●	●	
<b>Trade Fan Coil Price</b>			<b>£963.00</b>	<b>£1,023.00</b>	<b>£1,279.00</b>	<b>£1,518.00</b>	<b>£963.00</b>	<b>£1,023.00</b>	<b>£1,279.00</b>	<b>£1,518.00</b>
<b>Trade Condensing Unit Price</b>			<b>£1,239.00</b>	<b>£1,575.00</b>	<b>£1,733.00</b>	<b>£1,978.00</b>	<b>£1,277.00</b>	<b>£1,648.00</b>	<b>£1,813.00</b>	<b>£2,083.00</b>
<b>Total System Price</b>			<b>£2,202.00</b>	<b>£2,598.00</b>	<b>£3,012.00</b>	<b>£3,496.00</b>	<b>£2,240.00</b>	<b>£2,671.00</b>	<b>£3,092.00</b>	<b>£3,601.00</b>

## Accessories:

Accessory Ref	Description	Trade Price
BRC7G53	Wireless remote controller	£158.00
EKRORO4	Remote on/off control interface kit	£30.00
KRP4A53/UK.FB2	Unit/Group adaptor PCB for remote on/off, status indication and temperature setting	£96.00
RTD-NET/UK.FB2	Modbus Interface PCB for Sky Air and VRV	£198.00
RTD-10/UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock	£245.00
RTD-20/UK.FB2	Energy control PCB for Sky Air and VRV	£262.00
KLIC-DI	KNX Interface for Sky Air and VRV systems	£193.00
KRCS01-4	Remote room mounted temperature sensor	£42.00
K.RSS	Wireless room mounted temperature sensor and receiver	£93.00
RS-SE	Service and Configuration Tool for KRSS	£97.00
KCW890-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU	£37.00
KCW8140-2	Condensing unit bracket - sizes 100 to 140, max weight 140kg of ODU	£47.00
K.DT2	Condensate drip tray for use with Sky Air ODU - tray width 1100mm	£61.00
K.CGS	Condensing Unit Guard size 20-35	£223.00
K.CGM	Condensing Unit Guard size 42-71	£308.00
K.CGL	Condensing Unit Guard size 100-140 including RXY5Q	£369.00
KDDQ50A140	Fresh air intake kit for up to 20% fresh air	£165.00
KAFP501A80	Long life filter for 71 Class	£121.00
KAFP501A160	Long life filter for 100, 125 & 140 Class	£155.00

## Features:

- > Suitable for ceiling heights of up to 3.8m without loss of capacity
- > Seasonally Efficient Inverter Technology gives up to 25% better efficiency than Inverter technology
- > Forced off: The optional forced off enables the unit to switch off automatically, for example when a window is opened
- > Re-use of existing R22 and R407C piping possible

- > Suitable for Twin, Triple and Double Twin applications
- > Comms, computer and server room cooling possible with EDP setting (Seasonal Smart)
- > Selectable evaporating & condensing temperature for greater operating efficiency (Seasonal Smart)
- > Dill net compatibility as standard

## Notes:

- All fan coils supplied as standard with BRC1E53A wired remote controller with 7-day time clock
- BRC7GA53 Trade price will be reduced by £79.00 if ordered in place of the BRC1E53A
- All fan coil units standard with a auto restart after power failure
- Minimum ambient operating temperatures

	Cooling	Heating
RZQG	-15°C	-20°C
RZQSG	-15°C	-15°C

