



# Compact roundflow cassette unit

Mini Sky Air – 50m pipe run

## FCAG-B / RZAG-A

**R-32** **BLUEEVOLUTION**

360° air discharge for optimum efficiency and comfort

- › Combination with new Mini Sky Air to achieve up to 50m total pipe run
- › Lowest installation height in the market: 204mm for class 71
- › Individual louvre control: flexibility to suit every room layout without changing the location of the unit
- › Modern style decoration panel is available in 4 different variations: white with grey louvers, full white, with black finishing or with Auto Cleaning panel
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications i.e. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- › No optional adapter needed for DIII-connection, link your unit directly into the wider building management system
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Reduced energy consumption thanks to specially developed small tube exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Standard drain pump with 675mm lift increases flexibility and installation speed



FCAG-B



RZAG35A



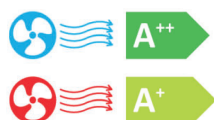
BRC1H519W7



BRC7FA532F  
(optional)



BRP069B82  
(optional)



**WI-FI ADAPTOR**

**AVAILABLE AS AN OPTION**

## FCAG-B / RZAG-A

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**BLUEEVOLUTION**

Indoor Units			FCAG35B	FCAG50B	FCAG60B
Capacity	UK Total Cooling	kW	3.32	4.89	5.57
	UK Sensible Cooling	kW	2.29	3.26	3.67
	Nominal Cooling	kW	3.5	5.0	5.7
	Nominal Heating	kW	4.2	6.0	7.0
Seasonal Efficiency (EN14825) COOLING	Energy Label		A++	A++	A++
	Pdesign	kW	3.5	5.0	5.7
	SEER		7.30	6.80	6.60
Seasonal Efficiency (EN14825) HEATING	Energy Label		A+	A+	A+
	Pdesign	kW	3.32	4.36	4.71
	SCOP		4.30	4.30	4.25
Nominal Efficiency	EER/COP		4.40 / 4.30	3.90 / 3.71	3.40 / 3.40
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.208/0.176/0.145	0.210/0.178/0.145	0.226/0.186/0.145
Dimensions (with Decoration Panel)	Height	mm	204 (264)	204 (264)	204 (264)
	Width	mm	840 (950)	840 (950)	840 (950)
	Depth	mm	840 (950)	840 (950)	840 (950)
Weight (with Decoration Panel)		kg	18 (23.4)	19 (24.4)	19 (24.4)
Sound Pressure (Cooling)	High / Nom / Low	dBA	31/29/27	31/29/27	33/31/28
Sound Pressure (Heating)	High / Nom / Low	dBA	31/29/27	31/29/27	33/31/28
Sound Power (Cooling)		dBA	49	49	51

Outdoor Units			RZAG35A	RZAG50A	RZAG60A
Dimensions	Height x Width x Depth	mm	734 x 870 x 373	734 x 870 x 373	734 x 870 x 373
Weight		kg	52	52	52
Electrical Details	Power Supply		1ph	1ph	1ph
	Maximum Input Current (MCA) A		14.53	14.53	16.40
	Max Fuse Size	A	16	16	20
Interconnection Wiring	Core / Cable Size		3+E / 1.5	3+E / 1.5	3+E / 1.5
Piping Connections	Liquid / Gas	inches (mm)	1/4 (6.4) / 3/8 (9.5)	1/4 (6.4) / 1/2 (12.7)	1/4 (6.4) / 1/2 (12.7)
Pipework	Maximum Length	m	50	50	50
	Maximum Vertical Rise	m	30	30	30
	Precharged to	m	30	30	30
	Additional charge	g/m	20	20	20
	Holding charge	kg	1.55	1.55	1.55
Sound Pressure (Cooling)	Nominal	dBA	48	49	50
Sound Pressure (Heating)	Nominal	dBA	48	49	50
Sound Power (Cooling)		dBA	62	63	64
Operating Range (Cooling)	Min / Max	°CDB	-20 / +52	-20 / +52	-20 / +52
Operating Range (Heating)	Min / Max	°CWB	-20 / +24	-20 / +24	-20 / +24
Air Flow Rate (Cooling)	Nominal	m³/sec	0.918	0.918	0.918
ECA Eligible			•	•	•

Accessory Ref	Description
BYCQ140E	Decoration panel - White (Included as standard)
BYCQ140EB	Decoration panel - Black
BRP069B82	Wifi adaptor for connection to on-line controller
BRC1H519W7	New - wired touch screen remote controller - White (Included as standard)
BRC1H519S7	New - wired touch screen remote controller - Silver
BRC1H519K7	New - wired touch screen remote controller - Black
BRC7FA532F	Wireless remote controller
BRYQ140B	Integral PIR sensor for roundflow decoration panel (for black panel)
BRYQ140BB	Integral PIR sensor for roundflow decoration panel (for white panel)
BYCQ140EGF	Auto Cleaning Deco Panel - White
BYCQ140EGFB	Auto Cleaning Deco Panel - Black
BYCQ140EW	Decoration Panel - Full White
EWHAR1	Extension wire - Required if Wifi Adaptor and Auto Cleaning panel are installed together
K.CG5	Condensing unit guard size 20-35
K.CGM	Condensing unit guard size 42-71

Accessory Ref	Description
K.CWB140-2	Condensing unit bracket - size 100 to 140
K.CWB90-2	Condensing unit bracket - up to size 71, max weight 90kg of ODU
K.DT1	Condensate drip tray for use with K.CWB90-2
K.DT2	Condensate drip tray for use with K.CWB140-2
K.RSS	Wireless room mounted temperature sensor and receiver
KDBHQ55B140	Sealing member for air discharge outlet
KDDP55C160-1	Fresh air intake kit for up to 20% fresh air (Part 1)
KDDQ55B140-2	Fresh air intake kit for up to 20% fresh air (Part 2)
KLIC-DI	KNX Interface for Sky Air and VRV systems
KRCS01-4	Remote room mounted temperature sensor
KRP4A53 and UK.FB2	Unit/group adaptor PCB for remote on/off, status indication and temperature setting
RS-SE	Service and configuration tool for K.RSS
RTD-10 and UK.FB2	Enhanced function PCB for Sky Air and VRV. Duty rotation, Lead Lag control and heating interlock
RTD-20 and UK.FB2	Energy control PCB for Sky Air and VRV
RTD-NET and UK.FB2	Modbus interface PCB for Sky Air and VRV

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