



## FCAG-A / RZASG-M Sky Air Advance-series

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance series ensures good value for money for all types of commercial applications
- > 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 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or Autocleaning 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

## **R-32** BLUEVOLUTION







RZASG71

RZASG100-140





BRC1E53A

BRC7FA532F (optional) BRP069A81 (optional)

WI-FI ADAPTOR AVAILABLE AS AN OPTION



## FCAG-A / RZASG-M

## **R-32** BLUEVOLUTION

Indoor Units		Single Phase				3 Phase		
		FCAG71A	FCAG100A	FCAG125A	FCAG140A	FCAG100A	FCAG125A	FCAG140A
UK Total Cooling	kW	7.76	10.80	13.60	14.90	10.80	13.60	14.90
UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	7.44	9.30	10.25
Nominal Cooling	kW	6.8	9.5	12.1	13.4	9.5	12.1	13.4
Nominal Heating	kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Seasonal Efficiency Energy Label		A++	A++	-	-	A++	-	-
Pdesign	kW	6.8	9.5	12.1	13.4	9.5	12.1	13.4
SEER		6.47	6.55	5.76	6.53	6.55	5.76	6.53
Annual Energy Consumption	kWh	368	507	1261	1231	507	1261	1231
Energy Label		A+	A+	-	-	A+	-	-
Pdesign	kW	4.5	6.0	6.0	7.8	6.0	6.0	7.8
SCOP		4.01	4.17	4.05	4.31	4.17	4.05	4.31
Annual Energy Consumption	kWh	1575	2016	2074	2534	2016	2074	2534
EER/COP		3.14/3.74	3.26/4.50	2.44/4.28	2.75/3.73	3.26/4.50	2.44/4.28	2.75/3.73
High / Nom / Low	m <sup>3</sup> /sec	0.255/0.208/0.155	0.380/0.293/0.206	0.433/0.320/0.206	0.433/0.320/0.206	0.380/0.293/0.206	0.433/0.320/0.206	0.433/0.320/0.206
	mm	204 (264)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)	246 (306)
								840 (950)
								840 (950)
					· · ·			24 (29.4)
	-							41/35/29
								41/35/29
								58
		RZASG71MV1	RZASG100MV1	RZASG125MV1	RZASG140MV1	RZASG100MY1	RZASG125MY1	RZASG140MY1
Height x Width x Depth	mm	700 x 900 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320
	kg	60	70	70	78	70	70	77
Power Supply	-	1ph	1ph	1ph	1ph	3ph	3ph	3ph
Running Current	A	17.4	21.5	27.8	27.0	14.2	14.6	14.6
Starting Current Max Fuse Size	A	-	-	-	-	-	-	-
	A	20	25	32	32	16	16	16
Core / Cable Size		3+E / 1.5				3+E / 1.5		
Liguid / Gas	inches (mm)	3/8 (9.5) / 5/8 (15.9)				3/8 (9.5) / 5/8 (15.9)		
Maximum Length	m	50	50	50	50	50	50	50
	m	30	30	30	30	30	30	30
Maximum Vertical Rise								
Maximum Vertical Rise Precharged to			30	30	30	30	30	30
Precharged to	m	30			30		30 r to Installation Ma	
Precharged to Additional charge	m g/m			30 lation Manual 2.60	30 2.90			
Precharged to Additional charge Holding charge	m	30	Refer to Insta	lation Manual		Refe	r to Installation Ma	inual
Precharged to Additional charge Holding charge Nom / Night Quiet	m g/m kg dBA	30 2.45 46/42	Refer to Insta 2.60 53/44	lation Manual 2.60 53/44	2.90 54/44	Refe 2.60 53/44	r to Installation Ma 2.60 53/44	anual 2.90 54/44
Precharged to Additional charge Holding charge	m g/m kg dBA dBA	30 2.45 46/42 47/42	Refer to Insta 2.60 53/44 57/44	lation Manual 2.60 53/44 57/44	2.90 54/44 57/44	Refe 2.60 53/44 57/44	r to Installation Ma 2.60 53/44 57/44	2.90 54/44 57/44
Precharged to Additional charge Holding charge Nom / Night Quiet Nom / Night Quiet	m g/m kg dBA dBA dBA	30 2.45 46/42 47/42 65	Refer to Insta 2.60 53/44 57/44 70	lation Manual 2.60 53/44 57/44 71	2.90 54/44 57/44 73	Refe 2.60 53/44 57/44 70	r to Installation Ma 2.60 53/44 57/44 71	nual 2.90 54/44 57/44 73
Precharged to Additional charge Holding charge Nom / Night Quiet	m g/m kg dBA dBA	30 2.45 46/42 47/42	Refer to Insta 2.60 53/44 57/44	lation Manual 2.60 53/44 57/44	2.90 54/44 57/44	Refe 2.60 53/44 57/44	r to Installation Ma 2.60 53/44 57/44	2.90 54/44 57/44
	UK Sensible Cooling Nominal Cooling Nominal Heating Energy Label Pdesign SEER Annual Energy Consumption Energy Label Pdesign SCOP Annual Energy Consumption EER/COP High / Nom / Low High / Nom / Low Height Width Depth anel) High / Nom / Low High / Nom / Low High / Nom / Low High / Nom / Low Supply Running Current Starting Current Max Fuse Size Core / Cable Size	UK Sensible Cooling kW Nominal Cooling kW Nominal Heating kW Energy Label Pdesign kW SEER Annual Energy Consumption kWh Energy Label Pdesign kW SCOP Annual Energy Consumption kWh EER/COP High / Nom / Low m³/sec Height mm Width mm Depth mm Annel) kg High / Nom / Low dBA High / Nom / Low dBA Starting Current A Starting Current A Starting Current A Core / Cable Size Liquid / Gas inches (mm)	UK Total CoolingkW7.76UK Sensible CoolingkW5.32Nominal CoolingkW6.8Nominal HeatingkW7.5Energy LabelA++PdesignkW6.8SEER6.47Annual Energy ConsumptionkW4.68Energy LabelA+PdesignkW4.5SCOP4.01Annual Energy ConsumptionkW1575EER/COP3.14/3.74High / Nom / Lowm³/sec0.255/0.208/0.155Heightmm204 (264)Widthmm840 (950)Depthmm840 (950)anel)kg21 (26.4)High / Nom / LowdBA35/31/28High / Nom / LowdBA35/31/28High / Nom / LowdBA35/31/28Gokg60Power Supply1phRunning CurrentA17.4Starting CurrentA20Core / Cable SizeLiquid / GasLiquid / Gasinches (mm)	FCAG71A      FCAG100A        UK Total Cooling      kW      7.76      10.80        UK Sensible Cooling      kW      5.32      7.44        Nominal Cooling      kW      6.8      9.5        Nominal Heating      kW      7.5      10.8        Energy Label      A++      A++      A++        Pdesign      kW      6.8      9.5        SEER      6.47      6.55        Annual Energy Consumption      kW      368      507        Energy Label      A+      A+      A+        Pdesign      kW      4.5      6.0        SCOP      4.01      4.17      Annual Energy Consumption kWh      1575      2016        EER/COP      3.14/3.74      3.26/4.50      High / Nom / Low      m³/sec      0.255/0.208/0.155      0.380/0.293/0.206        Height      mm      204 (264)      246 (306)      Width      mm      204 (264)      246 (306)        Width      mm      840 (950)      840 (950)      840 (950)      164        High / Nom / Low      dBA      35/31/28<	FCAG71A      FCAG100A      FCAG125A        UK Total Cooling      kW      7.76      10.80      13.60        UK Sensible Cooling      kW      5.32      7.44      9.30        Nominal Cooling      kW      6.8      9.5      12.1        Nominal Heating      kW      7.5      10.8      13.5        Energy Label      A++      A++      -      -        Pdesign      kW      6.8      9.5      12.1        SEER      6.47      6.55      5.76        Annual Energy Consumption kWh      368      507      1261        Energy Label      A+      A+      -        Pdesign      kW      4.5      6.0      6.0        SCOP      4.01      4.17      4.05      Annual Energy Consumption kWh      1575      2016      2074        EER/COP      3.14/3.74      3.26/4.50      2.44/4.28      High / Nom / Low      m <sup>3</sup> /sec      0.255/0.208/0.155      0.380/0.293/0.206      0.430.320/0.206        Height      mm      204 (264)      24 (29.4)      24 (29.4)      24 (29.4	FCAG71A      FCAG100A      FCAG125A      FCAG140A        UK Total Cooling      kW      7.76      10.80      13.60      14.90        UK Sensible Cooling      kW      5.32      7.44      9.30      10.25        Nominal Cooling      kW      6.8      9.5      12.1      13.4        Nominal Heating      kW      7.5      10.8      13.5      15.5        Energy Label      A++      A++      -      -        Pdesign      kW      6.63      9.5      12.1      13.4        SEER      6.47      6.55      5.76      6.53        Annual Energy Consumption kWh      368      507      1261      1231        Energy Label      A+      A+      -      -        Pdesign      kW      4.5      6.0      6.0      7.8        SCOP      4.01      4.17      4.05      4.31        Annual Energy Consumption kWh      1575      2016      2074      2534        EER/COP      3.14/3.74      3.26/4.50      2.44/2.28      2.75/3.73	FCAG71A      FCAG100A      FCAG12SA      FCAG140A      FCAG100A        UK Total Cooling      kW      7.76      10.80      13.60      14.90      10.80        UK Sensible Cooling      kW      5.32      7.44      9.30      10.25      7.44        Nominal Heating      kW      6.8      9.5      12.1      13.4      9.5        Nominal Heating      kW      7.5      10.8      13.5      15.5      10.8        Energy Label      A++      A++      -      -      A++        Pdesign      kW      6.68      9.5      12.1      13.4      9.5        SEER      6.47      6.55      5.76      6.53      6.55        Annual Energy Label      A+      A+      -      -      A+        Pdesign      kW      4.5      6.0      6.0      7.8      6.0        SCOP      4.01      4.17      4.05      4.31      4.17        Annual Energy Consumption      kWh      1575      2016      246(306)      246(300)      246(306)      246(306)	FCAG71A      FCAG100A      FCAG125A      FCAG140A      FCAG100A      FCAG125A        UK Total Cooling      KW      7.76      10.80      13.60      14.90      10.80      13.60        UK Sensible Cooling      KW      5.32      7.44      9.30      10.25      7.44      9.30        Nominal Cooling      KW      6.8      9.5      12.1      13.4      9.5      12.1        Nominal Cooling      KW      6.8      9.5      12.1      13.4      9.5      12.1        Nominal Cooling      KW      6.8      9.5      12.1      13.4      9.5      12.1        Rergy Label      A++      A++      -      -      A++      -        Pdesign      KW      6.85      5.76      6.53      6.55      5.76        Annual Energy Consumption      KW      4.5      6.0      6.0      7.8      6.0      6.0        SCOP      4.01      4.17      4.05      4.31      4.17      4.05        Annual Energy Consumption      KWh      1575      2016

Accessory Ref Description Accessory Ref Description BRC1E53A Premium wired remote controller (Included as standard) K DT2 Condensate drip tray for use with K.CWB140-2 BYCO140D Decoration panel (Included as standard) K.RSS Wireless room mounted temperature sensor and receiver Sealing member for air discharge outlet BRP069A81 Wifi adaptor for connection to on-line controller KDBHQ55B140 BRC7FA532F Wireless remote controller KDDP55C160-1 Fresh air intake kit for up to 20% fresh air (Part 1) Integral PIR sensor for roundflow decoration panel. BRYQ140A KDDQ55B140-2 Fresh air intake kit for up to 20% fresh air (Part 2) Enables energy saving functions KNX Interface for Sky Air and VRV systems KLIC-DI BYCQ140DG9 Roundflow cassette decoration panel with self cleaning filter KRCS01-4 Remote room mounted temperature sensor BYCQ140DGF9 New Roundflow cassette decoration panel with fine self cleaning filter KRP4A53 and UK.FB2 Unit/group adaptor PCB for remote on/off, status indication BYCQ140DW Roundflow cassette decoration panel - white with white louvres and temperature setting Condensing unit guard size 100-140 including RXYSQ Service and configuration tool for K.RSS K.CGL RS-SE K.CGM Condensing unit guard size 42-71 RTD-10 and UK.FB2 Enhanced function PCB for Sky Air and VRV. Duty rotation. Lead Lag control and heating interlock K.CWB140-2 Condensing unit bracket - size 100 to 140 RTD-20 and UK.FB2 Energy control PCB for Sky Air and VRV K.CWB90-2 Condensing unit bracket - up to size 71, max weight 90kg of ODU RTD-NET and UK.FB2 Modbus interface PCB for Sky Air and VRV K.DT1 Condensate drip tray for use with K.CWB90-2

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