



The World Leading Heat Pump Company



WHITE PANEL WITH SENSOR
BYCQ12SEEP



BLACK PANEL WITH SENSOR
BYCQ12SEER



HEATING AND COOLING SOLUTIONS

SkyAir

LIGHT COMMERCIAL

**Ceiling Mounted Cassette Type
FCA Series**

New redesigned SkyAir Round Flow Cassette utilises 360 degree airflow distribution, with greater efficiency and new Coanda Airflow.

KEY FEATURES:

- R32 refrigerant for enhanced efficiency and lower Global Warming Potential
- 360 degree even airflow distribution, with new Coanda Airflow
- New fascia design in white or black options

Cassette air conditioner with 360° uniform airflow sets the standard

The SkyAir Round Flow Cassette utilises 360 degree airflow distribution to ensure even temperatures throughout the space, this provides a comfortable environment for building occupants all year round while also remaining discrete.

SELECTABLE AIRFLOW PATTERN TOTAL OF 18 FLOW PATTERNS



REVERSE
CYCLE

6.0kW
-TO-
16.0kW **21**
RATED HEATING CAPACITIES MODELS
(SINGLE & THREE PHASE)



PRESENCE & FLOOR TEMPERATURE SENSOR (OPTIONAL)

The sensors ensure comfortable room environment and reduce energy consumption.



REUSE OF EXISTING PIPING

We reduce work costs and time by simplified installation, reusing existing pipes. Particularly convenient circumstances like - pipes are buried and making new pipe installations difficult; outdoor unit difficult to access; multiple units are being upgraded at the same time.



360° AIRFLOW

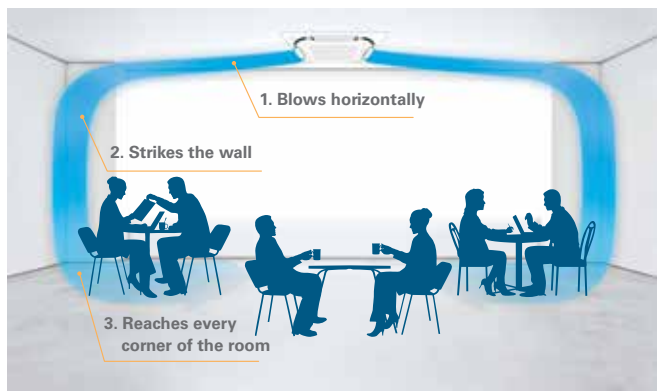
Uniform temperature distribution throughout the space with selectable range of total of 18 airflow patterns. Dual sensors and individual airflow direction control automatically provides optimal control of airflow.

COMFORT OPERATION

- Circulation airflow evenly distributes cool and warm air
- Individual airflow direction control
- Daikin sensing technology with dual sensors for comfort and energy saving preventing overcooling / overheating
- Optimal comfort assured by 3 air discharge modes
- Quick and easy installation
- Easy maintenance

CIRCULATION AIRFLOW

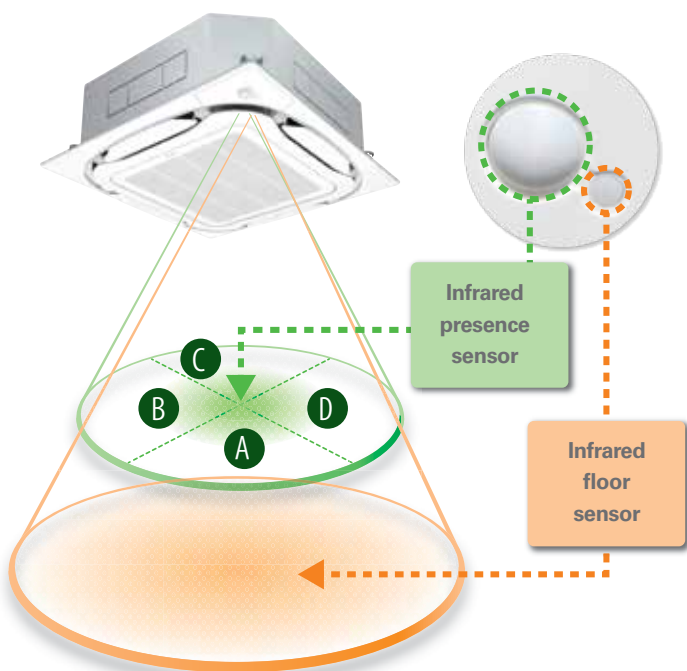
Cools the entire room to deliver comfort that never feels cold.



The illustration shows typical airflow. Effectiveness may differ according to room conditions, room size, and distance to walls.

SENSING TECHNOLOGY (OPTIONAL)

Dual sensors and individual airflow direction control automatically provide optimal control of airflow.



INDIVIDUAL AIRFLOW DIRECTION CONTROL

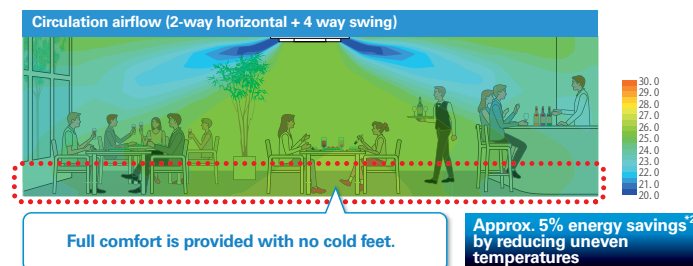
Airflow direction can be individually adjusted for each air discharge outlet to deliver optimal air distribution.



CIRCULATION AIRFLOW EVENLY DISTRIBUTES COOL AND WARM AIR*1

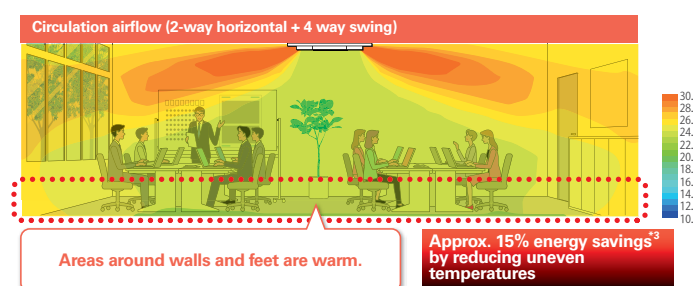
*1. Applicable when wired remote controller BRC1E63 is used.

Cooling Comfort to the Entire Room with Even Temperatures and No Cold Air Pockets at Floor Level

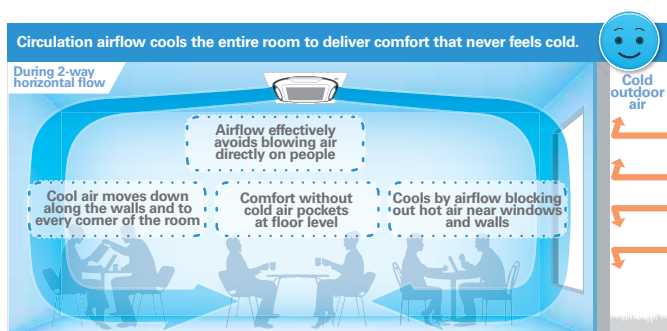


*2. Calculated under the following comparison conditions: When the average temperature at a height of 0.6m above the floor reaches set temperature. (26°C).

Heating Comfort to the Entire Room with Even Temperatures and Warmth Reaches Feet



*3. Calculated under the following comparison conditions: When the average temperature at a height of 0.6m above the floor reaches set temperature. (22°C).



COOLING



HEATING

SPECIFICATIONS Premium Inverter series (Single Phase)

INDOOR UNIT			FCA50CAVMA	FCA60CAVMA	FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA		
OUTDOOR UNIT			RZAV50CV1	RZAV60CV1	RZAV71CV1	RZAV85CV1	RZAV100CV1	RZAV125CV1	RZAV140CV1		
Power Supply			1 Phase, 220-240V, 50Hz								
Rated Capacity (Capacity Range)			Cool (kW)	5.0 (1.4-6.0)	6.0 (1.4-7.1)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)	
			Heat (kW)	6.0 (1.4-7.1)	7.1 (1.4-8.0)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	14.0 (5.1-16.0)	16.0 (5.1-18.0)	
Power consumption			Cool (kW) / Heat (kW)	1.11 / 1.27	1.43 / 1.54	1.81 / 1.81	2.00 / 2.13	2.38 / 2.40	3.25 / 3.28	3.70 / 4.02	
E.E.R			Cool(kW)	4.51	4.21	3.93	4.25	4.21	3.85	3.78	
C.O.P			Heat (kW)	4.73	4.61	4.42	4.70	4.67	4.27	3.98	
Indoor Unit	Airflow rate (H / HM / M / ML / L)	ℓ/s	383 / 350 / 308 / 267 / 225				575 / 517 / 458 / 400 / 333		608 / 558 / 500 / 442 / 383		
		m³/min	23.0 / 21.0 / 18.5 / 16.0 / 13.5				34.5 / 31.0 / 27.5 / 24.0 / 20.0		36.5 / 33.5 / 30.0 / 26.5 / 23.0		
	Sound pressure level (H / HM / M / ML / L)	dBA	37.0 / 36.0 / 34.0 / 31.0 / 27.5				45.0 / 42.0 / 39.0 / 36.5 / 34.0		46.0 / 43.5 / 41.0 / 38.5 / 36.0		
		Dimensions (HxWxD)	Unit (mm)	256x840x840				298x840x840			
	Deco panel (mm)		50x950x950								
	Weight	Unit (kg)	22				26				
		Deco panel (kg)	5.5								
	Certified Operation Range	Cool (°CWB) / Heat (°CDB)	14 to 25 / 15 to 27								
	Outdoor Unit	Compressor	Type	Hermetically sealed swing type							
Motor output (kW)			1.30		2.40		3.30				
Refrigerant charge (R-32)		kg (Charged for 30m)	1.35		2.60		2.90		3.75		
Sound pressure level		Cool (dBA) / Heat (dBA)	48 / 51		48 / 50		52 / 53		51 / 53		
		Night quiet mode (dBA)	44		48		47		48		
Sound power level		dBA	68		67		71		70		
Dimensions (HxWxD)		mm	595x845x300		990x940x320		1,430x940x320				
Machine weight		kg	45		69		78		93		
Certified Operation Range	Cool (°CDB) / Heat (°CWB)	-5 to 50 / -15 to 15.5									
Piping connections - Drain			Liquid (Flare) / Gas (Flare)	Ø 6.4 / Ø 12.7		Ø 9.5 / Ø 15.9					
			Indoor unit (mm)	VP25 (I.D Ø25 x O.D Ø32)							
			Outdoor unit (mm)	Ø 26.0 (Hole)							
Max. interunit piping length			m	50 (Equivalent length 70)			75 (Equivalent length 90)				
Max. installation level difference			m	30							

SPECIFICATIONS Premium Inverter series (Three Phase)

INDOOR UNIT			FCA71CAVMA	FCA85CVMA	FCA100CVMA	FCA125CVMA	FCA140CVMA
OUTDOOR UNIT			RZAV71CY1	RZAV85CY1	RZAV100CY1	RZAV125CY1	RZAV140CY1
Power Supply			3 Phase, 380-415V, 50Hz				
Rated Capacity (Capacity Range)		Cool (kW)	7.1 (3.2-8.0)	8.5 (4.0-10.0)	10.0 (5.0-11.2)	12.5 (5.0-14.0)	14.0 (5.0-16.0)
		Heat (kW)	8.0 (3.5-9.0)	10.0 (4.1-11.2)	11.2 (5.1-12.5)	14.0 (5.1-16.0)	16.0 (5.1-18.0)
Power consumption		Cool (kW) / Heat (kW)	1.81 / 1.81	2.00 / 2.13	2.38 / 2.40	3.25 / 3.28	3.70 / 4.02
E.E.R		Cool(kW)	3.93	4.25	4.21	3.85	3.78
C.O.P		Heat (kW)	4.42	4.70	4.67	4.27	3.98
Indoor Unit	Airflow rate	ℓ/s	383 / 350 / 308 / 267 / 225		575 / 517 / 458 / 400 / 333		608 / 558 / 500 / 442 / 383
	(H / HM / M / ML / L)	m³/min	23.0 / 21.0 / 18.5 / 16.0 / 13.5		34.5 / 31.0 / 27.5 / 24.0 / 20.0		36.5 / 33.5 / 30.0 / 26.5 / 23.0
	Sound pressure level	dBA	37.0 / 36.0 / 34.0 / 31.0 / 27.5		45.0 / 42.0 / 39.0 / 36.5 / 34.0		46.0 / 43.5 / 41.0 / 38.5 / 36.0
	Dimensions (HxWxD)	Unit (mm)	256x840x840		298x840x840		
		Deco panel (mm)	50x950x950				
	Weight	Unit (kg)	22		26		
		Deco panel (kg)	5.5				
	Certified Operation Range	Cool (°CWB) / Heat (°CDB)	14 to 25 / 15 to 27				
Outdoor Unit	Compressor	Type	Hermetically sealed swing type				
		Motor output (kW)	2.40	3.30			
	Refrigerant charge (R-32)	kg (Charged for 30m)	2.60	2.90	3.75		3.90
	Sound pressure level	Cool (dBA) / Heat (dBA)	48 / 50	52 / 53	51 / 53	52 / 54	56 / 58
		Night quiet mode (dBA)	44	48	47	48	52
	Sound power level	dBA	67	71	70	-	-
	Dimensions (HxWxD)	mm	990X940X320		1,430x940x320		
	Machine weight	kg	69	78	93		99
Certified Operation Range	Cool (°CDB) / Heat (°CWB)	-5 to 50 / -15 to 15.5					
Piping connections - Drain		Liquid (Flare) / Gas (Flare)	Ø 9.5 / Ø 15.9				
		Indoor unit (mm)	VP25 (I.D Ø25 x O.D Ø32)				
		Outdoor unit (mm)	Ø 26.0 (Hole)				
Max. interunit piping length		m	75 (Equivalent length 90)				
Max. installation level difference		m	30				

Notes: 1. The rated capacity is measured in accordance with AS/NZS 3823.1.1

2. The cooling (or heating) output capacity will be reduced below the rated value as the outdoor temperature approaches the maximum (or minimum) outdoor temperature operating range limit.

3. The specifications, designs & information in this flyer are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this flyer may vary slightly.

SPECIFICATIONS Inverter series (Single Phase)

INDOOR UNIT			FCA71CAVMA		FCA85CVMA		FCA100CVMA		FCA125CVMA		FCA140CVMA			
OUTDOOR UNIT			RZAC71CV1		RZAC85CV1		RZAC100CV1		RZAC125CV1		RZAC140CV1			
Power Supply			1 Phase, 220-240V, 50Hz											
Rated Capacity (Capacity Range)			Cool (kW)	7.1 (1.8-8.0)		8.5 (3.2-10.0)		10.0 (3.2-11.2)		12.5 (4.0-14.0)		14.0 (5.0-16.0)		
			Heat (kW)	8.0 (2.0-9.0)		10.0 (3.5-11.2)		11.2 (3.5-12.5)		14.0 (4.1-16.0)		16.0 (5.1-18.0)		
Power consumption			Cool (kW) / Heat (kW)		1.83 / 1.95		2.25 / 2.42		2.67 / 2.74		3.53 / 3.63		4.18 / 4.32	
E.E.R			Cool(kW)		3.87		3.78		3.74		3.54		3.35	
C.O.P			Heat (kW)		4.11		4.13		4.09		3.86		3.70	
Indoor Unit	Airflow rate (H / HM / M / ML / L)	ℓ/s	383 / 350 / 308 / 267 / 225				575 / 517 / 458 / 400 / 333				608 / 558 / 500 / 442 / 383			
		m³/min	23.0 / 21.0 / 18.5 / 16.0 / 13.5				34.5 / 31.0 / 27.5 / 24.0 / 20.0				36.5 / 33.5 / 30.0 / 26.5 / 23.0			
	Sound pressure level (H / HM / M / ML / L)	dBA	37.0 / 36.0 / 34.0 / 31.0 / 27.5				45.0 / 42.0 / 39.0 / 36.5 / 34.0				46.0 / 43.5 / 41.0 / 38.5 / 36.0			
		Dimensions (HxWxD)	Unit (mm)	256x840x840				298x840x840						
	Deco panel (mm)		50x950x950											
	Weight	Unit (kg)	22				26							
		Deco panel (kg)	5.5											
	Certified Operation Range	Cool (°CWB) / Heat (°CDB)	14 to 25 / 15 to 27											
	Outdoor Unit	Compressor	Type	Hermetically sealed swing type										
Motor output (kW)			1.30		2.40		3.30							
Refrigerant charge (R-32)		kg (Charged for 30m)	1.35		2.60				2.90		3.75			
Sound pressure level		Cool (dBA) / Heat (dBA)	48 / 51		51 / 54		52 / 54		53 / 56		54 / 56			
		Night quiet mode (dBA)	44		47		48		49		50			
Sound power level		dBA	68		70		71		-		-			
Dimensions (HxWxD)		mm	595x840x300				990X940X320				1,430X940X320			
Machine weight		kg	45		69		78		93					
Certified Operation Range		Cool (°CDB) / Heat (°CWB)	-5 to 46 / -15 to 15.5											
Piping connections - Drain		Liquid (Flare) / Gas (Flare)	Ø 9.5 / Ø 15.9											
		Indoor unit (mm)	VP25 (I.D Ø25 x O.D Ø32)											
		Outdoor unit (mm)	Ø 26.0 (Hole)											
Max. interunit piping length		m	50 (Equivalent length 70)											
Max. installation level difference		m	30											

SPECIFICATIONS Inverter series (Three Phase)

INDOOR UNIT			FCA85CVMA		FCA100CVMA		FCA125CVMA		FCA140CVMA		
OUTDOOR UNIT			RZAC85CY1		RZAC100CY1		RZAC125CY1		RZAC140CY1		
Power Supply					3 Phase, 380-415V, 50Hz						
Rated Capacity (Capacity Range)			Cool (kW)	8.5 (3.2-10.0)	10.0 (3.2-11.2)		12.5 (4.0-14.0)		14.0 (5.0-16.0)		
			Heat (kW)	10.0 (3.5-11.2)	11.2 (3.5-12.5)		14.0 (4.1-16.0)		16.0 (5.1-18.0)		
Power consumption			Cool (kW) / Heat (kW)	2.25 / 2.42	2.67 / 2.74		3.53 / 3.63		4.18 / 4.32		
E.E.R			Cool(kW)	3.78	3.74		3.54		3.35		
C.O.P			Heat (kW)	4.13	4.09		3.86		3.70		
Indoor Unit	Airflow rate (H / HM / M / ML / L)	ℓ/s	575 / 517 / 458 / 400 / 333				608 / 558 / 500 / 442 / 383				
		m³/min	34.5 / 31.0 / 27.5 / 24.0 / 20.0				36.5 / 33.5 / 30.0 / 26.5 / 23.0				
	Sound pressure level (H / HM / M / ML / L)	dBA	45.0 / 42.0 / 39.0 / 36.5 / 34.0				46.0 / 43.5 / 41.0 / 38.5 / 36.0				
		Dimensions (HxWxD)	Unit (mm)	298X840X840							
	Deco panel (mm)		50X950X950								
	Weight	Unit (kg)	26								
		Deco panel (kg)	5.5								
	Certified Operation Range	Cool (°CWB) / Heat (°CDB)	14 to 25 / 15 to 27								
Outdoor Unit	Compressor	Type	Hermetically sealed swing type								
		Motor output (kW)	2.40				3.30				
	Refrigerant charge (R-32)	kg (Charged for 30m)	2.60				2.90		3.75		
	Sound pressure level	Cool (dBA) / Heat (dBA)	51 / 54		52 / 54		53 / 56		54 / 56		
		Night quiet mode (dBA)	47		48		49		50		
	Sound power level	dBA	70		71		-		-		
	Dimensions (HxWxD)	mm	990X940X320						1,430X940X320		
	Machine weight	kg	69				78		93		
Certified Operation Range	Cool (°CDB) / Heat (°CWB)	-5 to 46 / -15 to 15.5									
Piping connections - Drain			Liquid (Flare) / Gas (Flare)	Ø 9.5 / Ø 15.9							
			Indoor unit (mm)	VP25 (I.D Ø25 x O.D Ø32)							
			Outdoor unit (mm)	Ø 26.0 (Hole)							
Max. interunit piping length			m	50 (Equivalent length 70)							
Max. installation level difference			m	30							

Notes: 1. The rated capacity is measured in accordance with AS/NZS 3823.1.1
2. The cooling (or heating) output capacity will be reduced below the rated value as the outdoor temperature approaches the maximum (or minimum) outdoor temperature operating range limit.

3. The specifications, designs & information in this flyer are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this flyer may vary slightly.

Your Local Daikin Specialist Dealer:

