



Perfecting the Air

WHITE PANEL
WITH SENSOR
BYCQ125EEF



BLACK PANEL
WITH SENSOR
BYCQ125EEK



HEATING AND COOLING SOLUTIONS

SkyAir

LIGHT COMMERCIAL

Ceiling Mounted Cassette Type
FCA Series

8.0kW
-TO-
16.5kW **9**
RATED HEATING
CAPACITIES MODELS
(SINGLE & THREE PHASE)

REVERSE
CYCLE



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

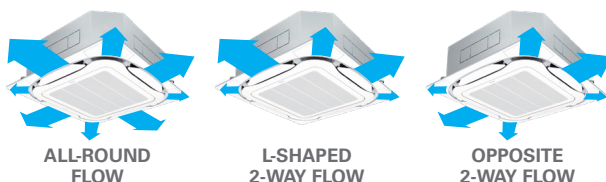
KEY FEATURES:

- 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



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

SPECIFICATIONS Inverter series (Single Phase)

INDOOR UNIT			FCA71CAVMA		FCA85CVMA		FCA100CVMA		FCA125CVMA		FCA140CVMA		
OUTDOOR UNIT			RZAC71CV1		RZAC85CV1		RZAC100CV1		RZAC125CV1		RZAC140FV1		
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 (3.5-16.5)		
		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 (3.5-19.5)		
Power consumption		Cool (kW) / Heat (kW)	1.83 / 1.95		2.25 / 2.42		2.67 / 2.74		3.53 / 3.63		4.18 / 4.20		
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		3.81		
AEER ⁴		Cool (kW)	3.77		3.70		3.68		3.49		3.31		
ACOP ⁴		Heat (kW)	4.00		4.05		4.02		3.81		3.77		
TCSPF ⁴ (Cooling) Commercial / Residential		Hot	5.50 / 5.06		5.42 / 5.01		5.23 / 4.86		5.30 / 4.91		5.28 / 4.87		
		Average	5.45 / 4.38		5.42 / 4.45		5.23 / 4.38		5.38 / 4.48		5.76 / 4.54		
HSPF ⁴ (Heating) Commercial / Residential		Cold	5.74 / 4.40		5.74 / 4.51		5.54 / 4.45		5.75 / 4.62		6.23 / 4.69		
		Hot	5.10 / 5.09		4.55 / 4.56		4.56 / 4.56		4.66 / 4.66		5.49 / 5.35		
		Average	4.78 / 4.56		4.35 / 4.24		4.34 / 4.22		4.40 / 4.22		4.99 / 4.48		
		Cold	4.31 / 4.03		4.01 / 3.83		3.98 / 3.79		4.03 / 3.80		4.43 / 3.95		
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				
	(H / HM / M / ML / L)												
	Dimensions (HxWxD)	Unit (mm)	256x840x840			298x840x840							
		Deco panel (mm)	50x950x950										
		Unit (kg)	22			26							
	Weight	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)	1.70		2.60				2.90 3.70				
		Cool (dBA) / Heat (dBA)	48 / 51		51 / 54		52 / 54		53 / 56		53 / 54		
	Sound pressure level	Night quiet mode (dBA)	44		47		48		49		49		
		dBA	68		70		71		-		-		
	Sound power level		68		70		71		-		-		
	Dimensions (HxWxD)	mm	595x840x300			990X940X320							870X1,100X460
	Machine weight	kg	45		69				78		95		
	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		RZAC140FY1	
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 (3.5-16.5)	
		Heat (kW)	10.0 (3.5-11.2)		11.2 (3.5-12.5)		14.0 (4.1-16.0)		16.0 (3.5-19.5)	
Power consumption		Cool (kW) / Heat (kW)	2.25 / 2.42		2.67 / 2.74		3.53 / 3.63		4.18 / 4.20	
E.E.R		Cool(kW)	3.78		3.74		3.54		3.35	
C.O.P		Heat (kW)	4.13		4.09		3.86		3.81	
AEER ⁴		Cool (kW)	3.70		3.68		3.49		3.31	
ACOP ⁴		Heat (kW)	4.05		4.02		3.81		3.77	
TCSPF ⁴ (Cooling) Commercial / Residential		Hot	5.42/ 5.01		5.23/ 4.86		5.30/ 4.91		5.28/ 4.87	
		Average	5.42/ 4.45		5.23/ 4.38		5.38/ 4.48		5.76/ 4.54	
HSPF ⁴ (Heating) Commercial / Residential		Cold	5.74/ 4.51		5.54/ 4.45		5.75/ 4.62		6.23/ 4.69	
		Hot	4.55/ 4.56		4.56/ 4.56		4.66/ 4.66		5.49/ 5.35	
		Average	4.35/ 4.24		4.34/ 4.22		4.40/ 4.22		4.99/ 4.48	
		Cold	4.01/ 3.83		3.98/ 3.79		4.03/ 3.80		4.43/ 3.95	
Indoor Unit	Airflow rate	ℓ/s	575 / 517 / 458 / 400 / 333				608 / 558 / 500 / 442 / 383			
	(H / HM / M / ML / L)	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	dBA	45.0 / 42.0 / 39.0 / 36.5 / 34.0				46.0 / 43.5 / 41.0 / 38.5 / 36.0			
	(H / HM / M / ML / L)									
	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							
		Cool (dBA) / Heat (dBA)	51 / 54		52 / 54		53 / 56		53 / 54	
	Sound pressure level	Night quiet mode (dBA)	47		48		49		49	
	Sound power level	dBA	70		71		-		-	
	Dimensions (HxWxD)	mm	990X940X320				870X1,100X460			
	Machine weight	kg	69				78		95	
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.
4. Values based on Energy Efficiency (Energy Using Products) Amendment Regulations 2020.

Your Local Daikin Specialist Dealer:

