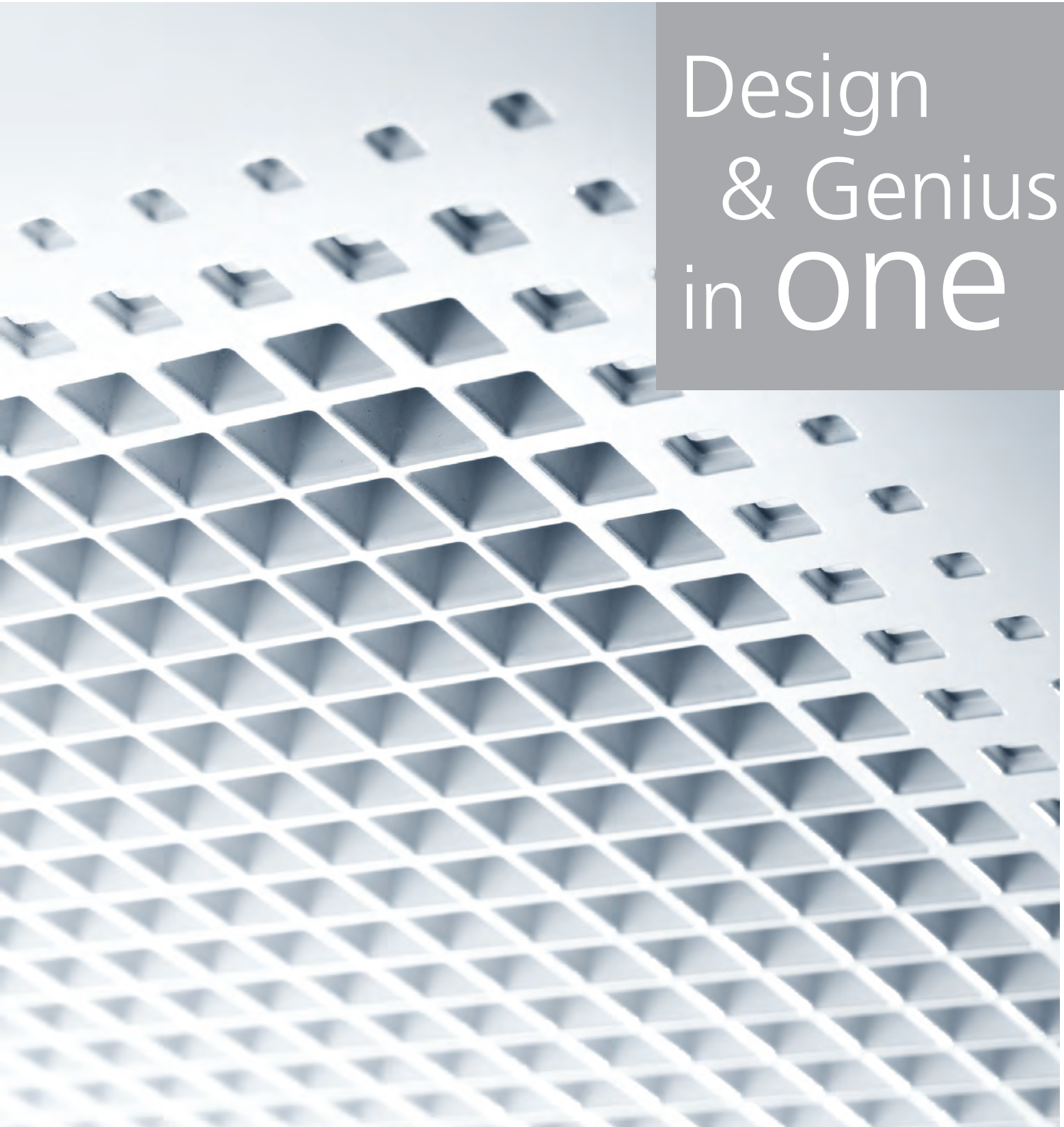




FFQ – FULLY FLAT CASSETTE

Design  
& Genius  
in one



# Fully Flat Cassette

Design and genius in one



Daikin's Fully Flat Cassette is a powerful, efficient and discreet solution for commercial, retail and residential applications where both aesthetics and performance are paramount.

The Fully Flat Cassette combines the latest technology with innovative functions for high operating efficiency and user comfort, all within a unique design that allows the visible panel to fit flush within standard architectural ceiling panels.

## Fully integrated, fully discreet

The Fully Flat Cassette is a unique iconic design with an elegant white finish with a white decoration panel. The cassette blends in, resulting in a fully discreet unit.

### Fully flat with the ceiling

Daikin's Fully Flat Cassette is the first cassette that fits fully flat with the ceiling, making the unit blend discreetly in the ceiling.



### Fits ceiling tiles perfectly

The newly designed panel integrates fully within one ceiling tile enabling lights, speakers and sprinklers to be installed in the adjoining ceiling tiles.

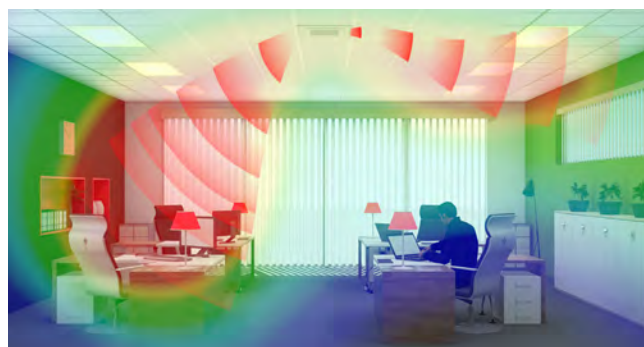


# Differentiated by excellence

To ensure perfect interior comfort the Daikin Fully Flat Cassette can be fitted with an optional sensor\* linked to an advanced controller.



When there is nobody in the room, the presence sensor\* adjusts the set point or switches off the unit, avoiding unnecessary cooling or heating. When motion is detected the temperature is reset to its original setpoint ensuring perfect, energy efficient operation.



The sensor\* also adapts the direction of the airflow depending of where people are situated in the room, ensuring no draught and individual comfort at any time.

Because hot air rises, the natural temperature distribution in a room is for it to be warmer near the ceiling and cooler near the floor. The cassette's 'floor' sensor\* detects the temperature difference and re-directs the airflow to ensure that the temperature distribution is even.

## Top efficiency year-round

Daikin's Fully Flat Cassette delivers exceptional performance and efficiency throughout the entire year. An optional presence sensor also helps deliver even greater operating efficiency



### Air quality

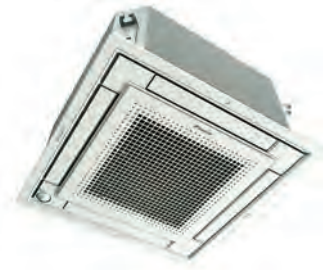
The quality of the air in the room is as important as the temperature and we have fitted advanced filters to help remove dust particles to ensure the air is clean.

### Quiet comfort

The Fully Flat Cassette is one of the quietest units in the light commercial market and, in addition to the sensors, has various functions that are designed to enhance user comfort.

*\*Additional sensor kit BRYQ60A2W required to enable this feature (floor and presence sensors included)*

# Heating & Cooling



**SkyAir**

Perfect for light commercial applications

FFQ (Compact Cassette Type)					
INDOOR UNIT		FFQ25C2VEB	FFQ35C2VEB	FFQ50C2VEB	FFQ60C2VEB
OUTDOOR UNIT		RXS25L3V1B	RXS35L3V1B	RXS50L2V1B	RXS60L2V1B
Power Supply (Ph / Hz / V)		1 / 50 / 220-240			
Cooling Capacity (Rated / Range) *1		2.5 (1.4 - 4.0)	3.4 (1.4 - 4.0)	5.0 (1.7 - 5.3)	5.7 (1.7 - 6.5)
Heating Capacity (Rated / Range) *1		3.2 (1.3 - 5.1)	4.2 (1.3 - 5.1)	5.8 (1.7 - 6.0)	7.0 (1.7 - 8.0)
EER / COP		4.46 / 3.9	3.7 / 3.5	3.21 / 3.49	3.02 / 3.41
INDOOR UNIT					
Dimensions (HxWxD)		mm			260 × 575 × 575 (+63)^
Coil	Type	Cross Fin Coil (Multi Slit Fins and HI-XA Tubes)			
	Rows/Stages/Fin Pitch	2 / 12 / 1.2mm		3 / 16 / 1.2mm	
	Face Area	m <sup>2</sup> 0.29		0.30	
Fan	Type	Turbo Fan			
	Motor Output	W 50			
	Fan Speed	3 Speeds			
Air flow rate (H/M/L)	m <sup>3</sup> /min	9/8/6.5	10/8.5/6.5	12/10/7.5	14.5/12.5/9.5
Sound pressure (H/M/L) *2	dBA	31/28.5/25	34/30.5/25	39/34/27	43/40/32
Sound power (H) *3	dBA	48	51	56	60
Weight	Kg	16	16	17.5	17.5
Piping	Liquid	mm			Ø 6.35
	Gas	mm			Ø 9.52 (Flare)
	Drain	mm			Ø 12.7 (Flare)
Remote Control	Wired (Standard)	VP 20 (Ext Ø26, Int Ø20)			
	Wireless (Option)	BRC1E62			
		BRC7F530W			
Fascia Panel	Model	BYFQ60C2W1W			
	Colour	White (N9.5)			
	Dimensions (HxWxD)	mm 46 x 620 x 620			
	Air Filter	Resin Net (with Mould resistance)			
	Weight	Kg 2.8			
OUTDOOR UNIT					
Colour		Ivory White			
Dimensions (HxWxD)		mm 550 × 765 × 285		735 × 825 × 300	
Coil	Type	Cross Fin Coil (Waffle Fins and HI-XU Tubes)			
	Rows/Stages/Fin Pitch	2 / 24 / 1.4mm		2 / 32 / 1.8mm	
Compressor	Model	1YC23AWXDC		2YC36BXD#C	
	Type	Hermetically sealed swing type			
Fan	Type	Propeller			
	Motor Output	W 50		53	
Air flow rate	Cooling (H / SL)	m <sup>3</sup> /min 33.5/30.1	36/30.1	50.9/48.9	50.2/45
	Heating (H / SL)	m <sup>3</sup> /min 28.3/25.6	28.3/25.6	45/43.1	46.3/46.3
Weight	Kg	34		47	48
Sound power (H) *3	dBA	59	61	62	62
Sound Pressure *2	Cooling (H / SL)	dBA 46/43	48/44	48/44	49/46
	Heating (H / SL)	dBA 47/44	48/45	48/45	49/46
Piping	Liquid	mm			Ø 6.35
	Gas	mm			Ø 9.52
Ref. Piping	Max Length	m 20		30	
	Max Height Difference	m 15		20	
	Type	R410a			
Refrigerant	Factory charge	Kg 1	1.2	1.7	1.5
	Pre-charge length	10m			
	Additional Charge >10m	g/m 20			

**Notes:**

\*1. The above data is based on the following conditions

Cooling	Heating	Piping Length	Volts, Hz
Indoor: 27° CDB / 19° CWB	Indoor: 20° CDB	5.0m (Horizontal)	230V,50Hz
Outdoor: 35° CDB	Outdoor: 7° CDB / 6° CWB		

\*2. Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher due to ambient conditions.

\*3. Numerical values according to ISO 3741:1999.

^ - Dimension including electrical box



Quality ISO 9001  
SAI GLOBAL



Environment ISO 14001  
SAI GLOBAL

Daikin Australia Pty Limited (ISO 9001)  
QEC 23256 May 12, 2006  
Sydney, Brisbane, Adelaide, Melbourne, Newcastle, Townsville, Perth, Auckland

Daikin Australia Pty Limited (ISO 14001)  
CEM 20437 October 27, 2006  
Sydney, Brisbane, Adelaide, Melbourne, Perth

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