

FFQ-C / FXZQ-A



# Fully Flat Cassette

Design & Genius in one



## Why choose fully flat cassette?

- Unique design in the market that integrates fully flat into the ceiling

## Marketing tools

- Download the Seasonal Calculator software:  
[www.daikineurope.com/support-and-manuals/software-downloads/air-conditioning/](http://www.daikineurope.com/support-and-manuals/software-downloads/air-conditioning/)

## Benefits for the installer

- Unique product in the market!
- Most silent unit
- The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
- Meeting European design taste.

## Benefits for the consultant

- Unique product in the market!
- Blends seamlessly in any modern office interior design
- Ideal product to improve BREEAM score/EPDB in combination with Sky Air Seasonal Smart or VRV IV heat pump units.

## Benefits for the end user

- Engineering excellence and unique design in one
- Most silent unit
- Perfect working conditions: no more cold draughts or cold feet
- Save up to 27% on your energy bill thanks to the optional sensors
- Flexible usage of space thanks to individual flap control
- User-friendly remote control, available in several languages.

### Unique design

- Designed by German design office to fully meet the European taste.
- Fully flat into the ceiling, leaving only 8mm.
- Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
- Decoration panel available in 2 colours (white and white-silver).

### Differentiating in technology

#### Optional presence sensor

- When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
- When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

#### Optional floor sensor

- Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.

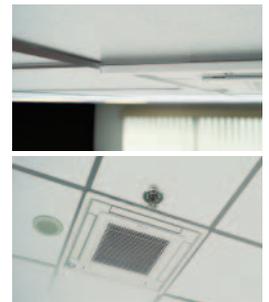
### Top efficiency

- Seasonal labels up to **A++**\*
- When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.
- Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E52) when rearranging the room. When fully closing or blocking the flaps, the option “Sealing member of air discharge outlet” is needed.

\* for FFQ25,35C in combination with RXS25,35L3

### Other features

- Most silent cassette in the market (25dBA), important for office applications.



# Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- › Combination with split outdoor units is ideal for smaller applications such as retail or residential applications
- › Remarkable blend of iconic design and engineering excellence
- › Two optional intelligent sensors improve energy efficiency and comfort.



presence sensor floor sensor

- › Refurbishing the room? Flexibility to suit every room layout without changing the location of the unit!



- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation is required



- › No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Efficiency data			FFQ + RXS	*25C + 25L3	*35C + 35L3	50C + 50L	60C + 60L
Cooling capacity	Min./Nom./Max.		kW	-/2.5/-	-/3.4/-	1.7/5.0/5.3	1.7/5.7/6.5
	Min./Nom./Max.		kW	-/3.2/-	-/4.2/-	1.7/5.8/6.0	1.7/7.0/8.0
Heating capacity	Min./Nom./Max.		kW	-/3.2/-	-/4.2/-	1.7/5.8/6.0	1.7/7.0/8.0
	Min./Nom./Max.		kW	-/3.2/-	-/4.2/-	1.7/5.8/6.0	1.7/7.0/8.0
Power input	Cooling	Nom.	kW	0.56	0.92	1.560	1.890
	Heating	Nom.	kW	0.82	1.2	1.660	2.050
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++		A+	
		Pdesign	kW	2.50	3.4	5.00	5.70
		SEER		6.11	6.32	5.93	5.71
	Heating (Average climate)	Annual energy consumption	kWh	143	188	295	349
		Energy label		A+		A	
		Pdesign	kW	2.31	3.1	3.84	3.96
Nominal efficiency	EER	SCOP		4.24	4.1	3.90	4.04
		Annual energy consumption	kWh	763	1,059	1,378	1,373
		Annual energy consumption	kWh	4.46	3.7	3.21	3.02
Energy label	Cooling	COP		3.9	3.5	3.49	3.41
		Annual energy consumption	kWh	280	459	780	945
		Annual energy consumption	kWh	280	459	780	945
Energy label	Heating	Energy label		A		B	
		Energy label		A		B	

Indoor unit			FFQ	25C	35C	50C	60C
Dimensions	Unit	HeightxWidthxDepth	mm	260x575x575			
Weight	Unit		kg	16		17.5	
Decoration panel	Model			BYFQ60CW / BYFQ60CS / BYFQ60B3W1			
	Colour			White (N9.5) / White (N9.5) + Silver / White (RAL9010)			
	Dimensions	HeightxWidthxDepth	mm	46x620x620 / 46x620x620 / 55x700x700			
Weight			kg	2.8 / 2.8 / 2.7			
Air filter	Type			Resin net with mold resistance			
Fan - Air flow rate	Cooling	High/Nom./Low	m <sup>3</sup> /min	9/8/6.5	10/8.5/6.5	12/10/7.5	14.5/12.5/9.5
	Heating	High/Nom./Low	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 power level	Cooling		dBA	48	51	56	60
Sound pressure level	Cooling	High/Nom./Low	dBA	31/28.5/25	34/30.5/25	39/34/27	43/40/32
	Heating	High/Nom./Low	dBA	31/28.5/25	34/30.5/25	39/34/27	43/40/32
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240			
Control systems	Infrared remote control			BRC7EB530 (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control			BRC1D52 / BRC1E52A/B			

Outdoor unit			RXS	*25L3	*35L3	50L	60L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300	
Weight	Unit		kg	31.5		47	48
Sound power level	Cooling		dBA	59	61	62	62
	Heating		dBA	59	61	62	62
Sound pressure level	Cooling	High/Low	dBA	-/-	-/-	48/44	49/46
	Heating	High/Low	dBA	-/-	-/-	48/45	49/46
Operation range	Cooling	Ambient	Min.-Max.	-10~46		-10~46	
	Heating	Ambient	Min.-Max.	-15~18		-15~18	
Refrigerant	Type/Charge/GWP		kg	R-410A / - / 2,087.5		R-410A / 1.7 / 2,087.5	R-410A / 1.5 / 2,087.5
	Charge		TCO <sub>2</sub> Eq	-		3.5	3.1
Piping connections	Liquid	OD	mm	6.35		6.35	
	Gas	OD	mm	9.52		12.7	
	Piping length	OU - IU	Max.	-		30	
	Additional refrigerant charge		kg/m	-		0.020 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	-		20.0	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-230-240	
Current - 50Hz	Maximum fuse amps (MFA)		A	-		-	

\*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load