

# Fully Flat Cassette

Design & Genius in one

## Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most quiet cassette available on the market

## FFQ-C / FXZQ-A



Choice between grey or white panel

## Benefits for the installer

- › Unique product in the market!
- › Most quiet unit (25dBA)
- › 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/EPBD in combination with Sky Air Seasonal Smart (FFQ-C) or VRV IV heat pump units (FXZQ-A).

## Benefits for the end user

- › Engineering excellence and unique design in one
- › Most quiet unit (25dBA)
- › Perfect working conditions: no more cold draughts
- › Save up to 27% on your energy bill thanks to the optional sensors
- › Flexible usage of space and suits any room configuration thanks to individual flap control
- › User-friendly remote control, available in several languages.



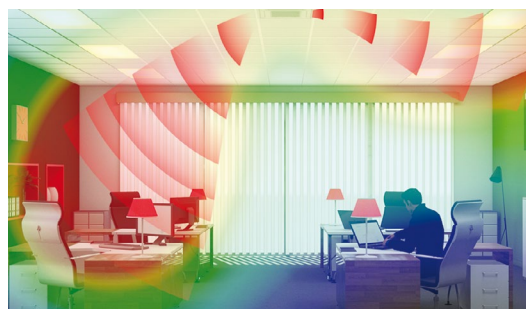


### Unique design

- › Designed by a European 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).



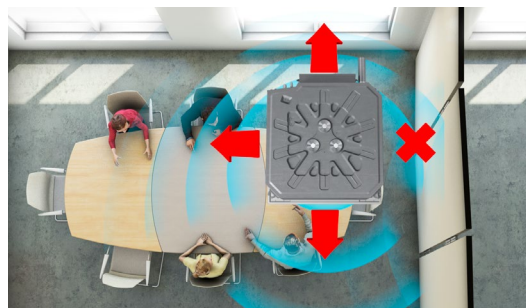
### Differentiating in technology

#### 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.

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

### Other benefits

- › Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E\*) when rearranging the room. When fully closing or blocking the flaps, the option “Sealing member of air discharge outlet” is needed.
- › Most silent cassette in the market (25dBA), important for office applications.



### Marketing tools

- › [www.daikineurope.com/fullyflat](http://www.daikineurope.com/fullyflat)
- › [www.youtube.com/DaikinEurope](http://www.youtube.com/DaikinEurope)



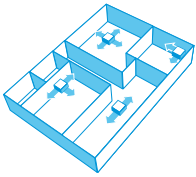




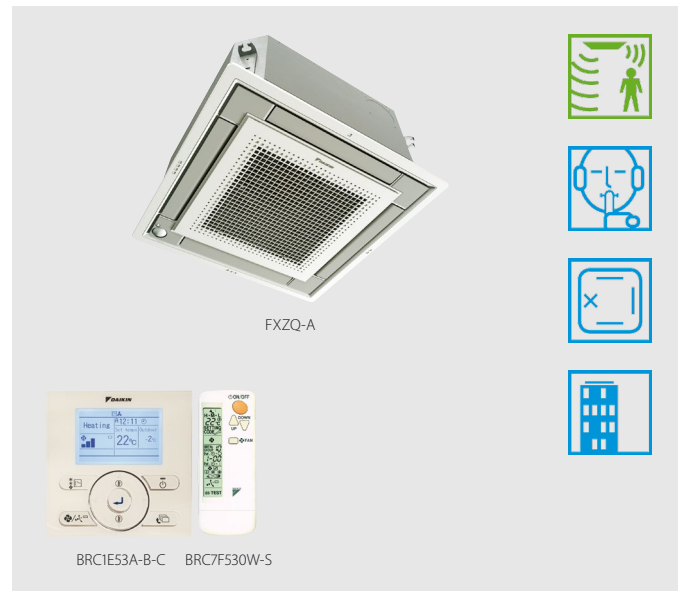
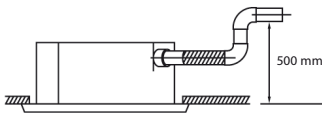
# Fully flat cassette

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

- › Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- › Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- › Two optional intelligent sensors improve energy efficiency and comfort.
- › 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- › Individual flap control: 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
- › Optional fresh air intake
- › Standard drain pump with 630mm lift increases flexibility and installation speed



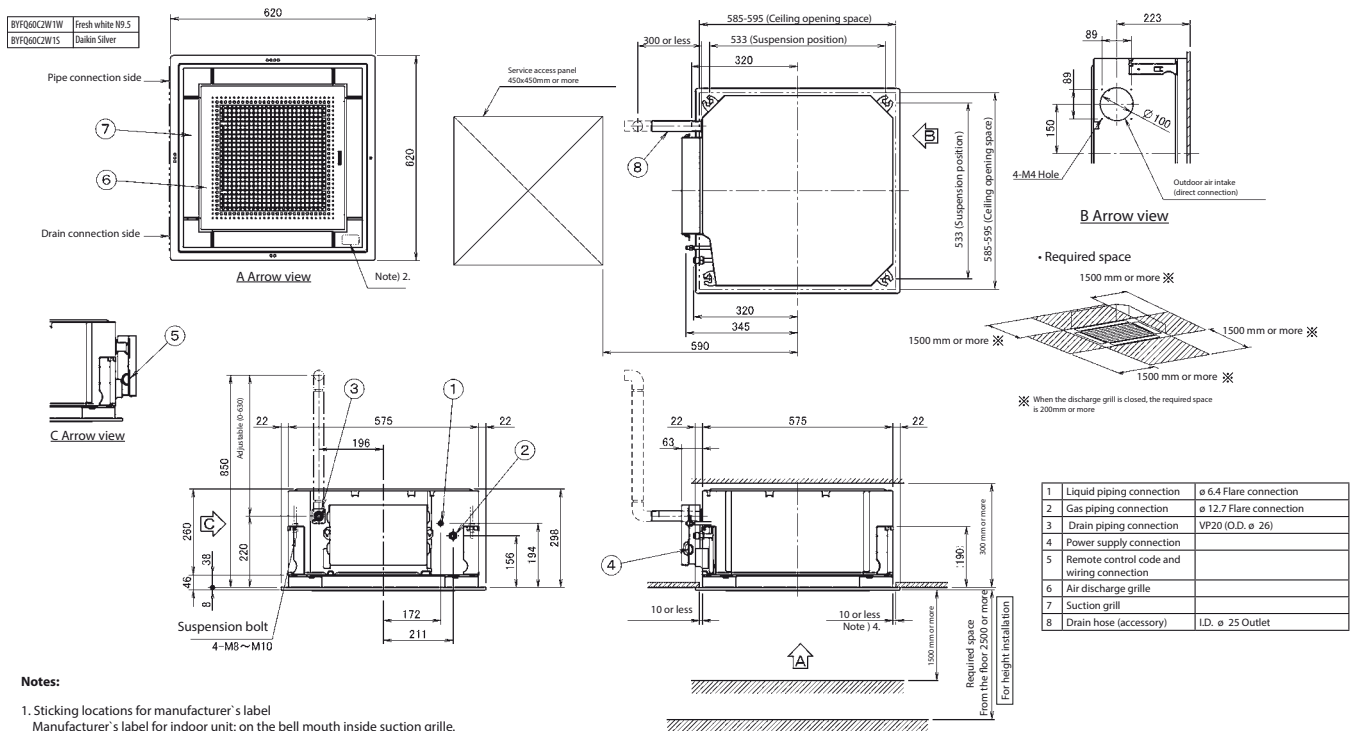
Indoor unit				FXZQ	15A	20A	25A	32A	40A	50A
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3
Power input - 50Hz	Cooling	Nom.		kW		0.043		0.045	0.059	0.092
	Heating	Nom.		kW		0.036		0.038	0.053	0.086
Dimensions	Unit	Height	mm					260		
		Width	mm					575		
		Depth	mm					575		
Weight	Unit		kg			15.5		16.5		18.5
Casing	Material							Galvanised steel plate		
Decoration panel	Model							BYFQ60CW		
	Colour							White (N9.5)		
	Dimensions	HeightxWidthxDepth	mm					46x620x620		
	Weight		kg					2.8		
Decoration panel 2	Model							BYFQ60CS		
	Colour							White (N9.5) + Silver		
	Dimensions	HeightxWidthxDepth	mm					46x620x620		
	Weight		kg					2.8		
Decoration panel 3	Model							BYFQ60B3W1		
	Colour							White (RAL9010)		
	Dimensions	HeightxWidthxDepth	mm					55x700x700		
	Weight		kg					2.7		
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m³/min		8.5/7/6.5	8.7/7.5/6.5	9/8/6.5	10/8.5/7	11.5/9.5/8	14.5/12.5/10
	Heating	High/Nom./Low	m³/min		8.5/7/6.5	8.7/7.5/6.5	9/8/6.5	10/8.5/7	11.5/9.5/8	14.5/12.5/10
Air filter	Type							Resin net with mold resistance		
Sound power level	Cooling	High/Nom.	dB(A)		49/-		50/-	51/-	54/-	60/-
	Heating	High/Nom./Low	dB(A)		31.5/28/25.5	32/29.5/25.5	33/30/25.5	33.5/30/26	37/32/28	43/40/33
Sound pressure level	Cooling	High/Nom./Low	dB(A)		31.5/28/25.5	32/29.5/25.5	33/30/25.5	33.5/30/26	37/32/28	43/40/33
	Heating	High/Nom./Low	dB(A)		31.5/28/25.5	32/29.5/25.5	33/30/25.5	33.5/30/26	37/32/28	43/40/33
Refrigerant	Type							R-410A		
	GWP							2,087.5		
Piping connections	Liquid	OD	mm					6.35		
	Gas	OD	mm					12.7		
	Drain							VP20 (I.D. 20/O.D. 26)		
Power supply	Phase/Frequency/Voltage		Hz/V					1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)		A					16		
Control systems	Infrared remote control							BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel)		
	Wired remote control							BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
	Simplified wired remote control for hotel applications							BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)		

(1) Dimensions do not include control box



## Detailed technical drawings

### FXZQ-A NEW PANEL

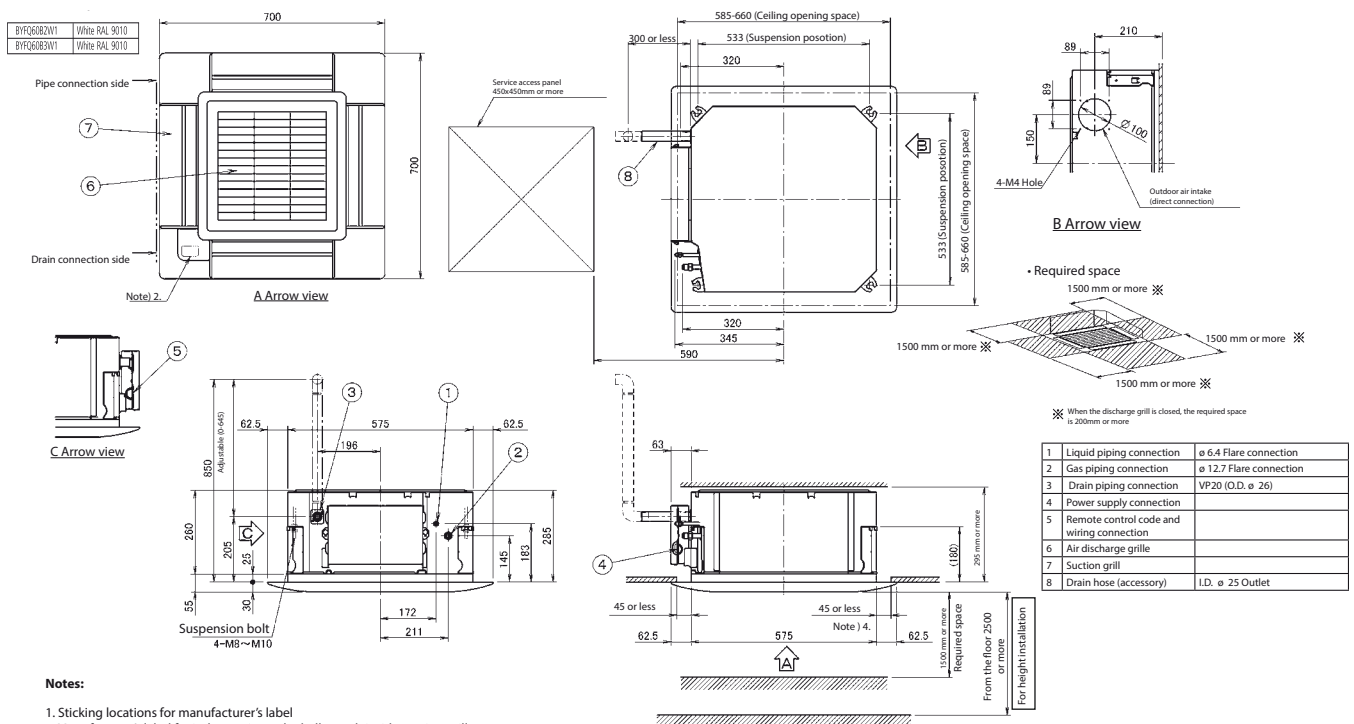


#### Notes:

1. Sticking locations for manufacturer's label  
Manufacturer's label for indoor unit: on the bell mouth inside suction grille.  
Manufacturer's label for decoration panel: on the inner frame inside suction grille.
2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80%, or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more, Glasswool or polyethylene foam) is required.
4. Though the installation is acceptable up to maximum of 595mm square ceiling opening, keep the clearance of 10mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

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### FXZQ-A OLD PANEL



#### Notes:

1. Sticking locations for manufacturer's label  
Manufacturer's label for indoor unit: on the bell mouth inside suction grille.  
Manufacturer's label for decoration panel: on the inner frame inside suction grille.
2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80%, or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more, Glasswool or polyethylene foam) is required.
4. Though the installation is acceptable up to maximum of 660mm square ceiling opening, keep the clearance of 45 mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

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