Fully flat cassette

universal design award 2014

GERMAN DESIGN AWARD SPECIAL 2016

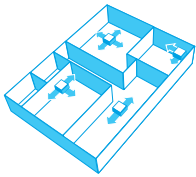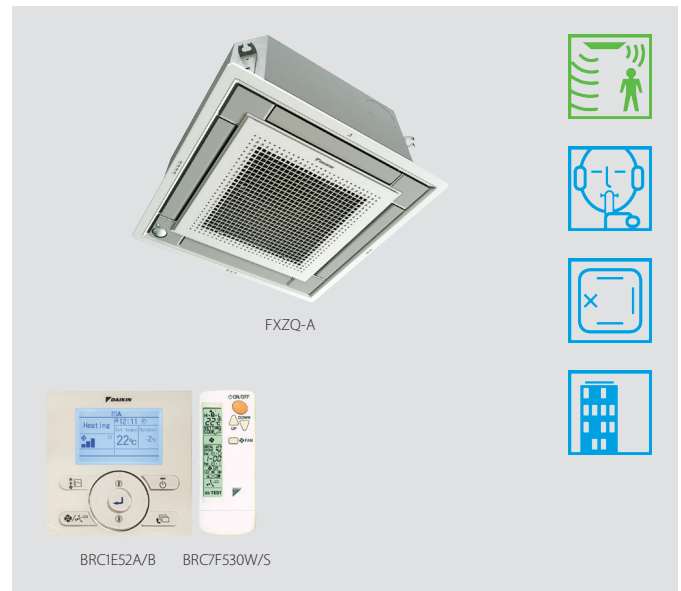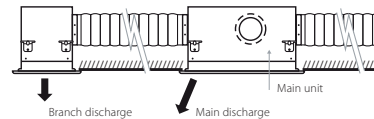## Unique design in the market that integrates fully flat into the ceiling

› 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.
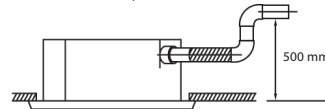› Individual flap control: flexibility to suit every room layout without changing the location of the unit!

› Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump

FXZQ-A

BRC1E52A/B   BRC7F530W/S

› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
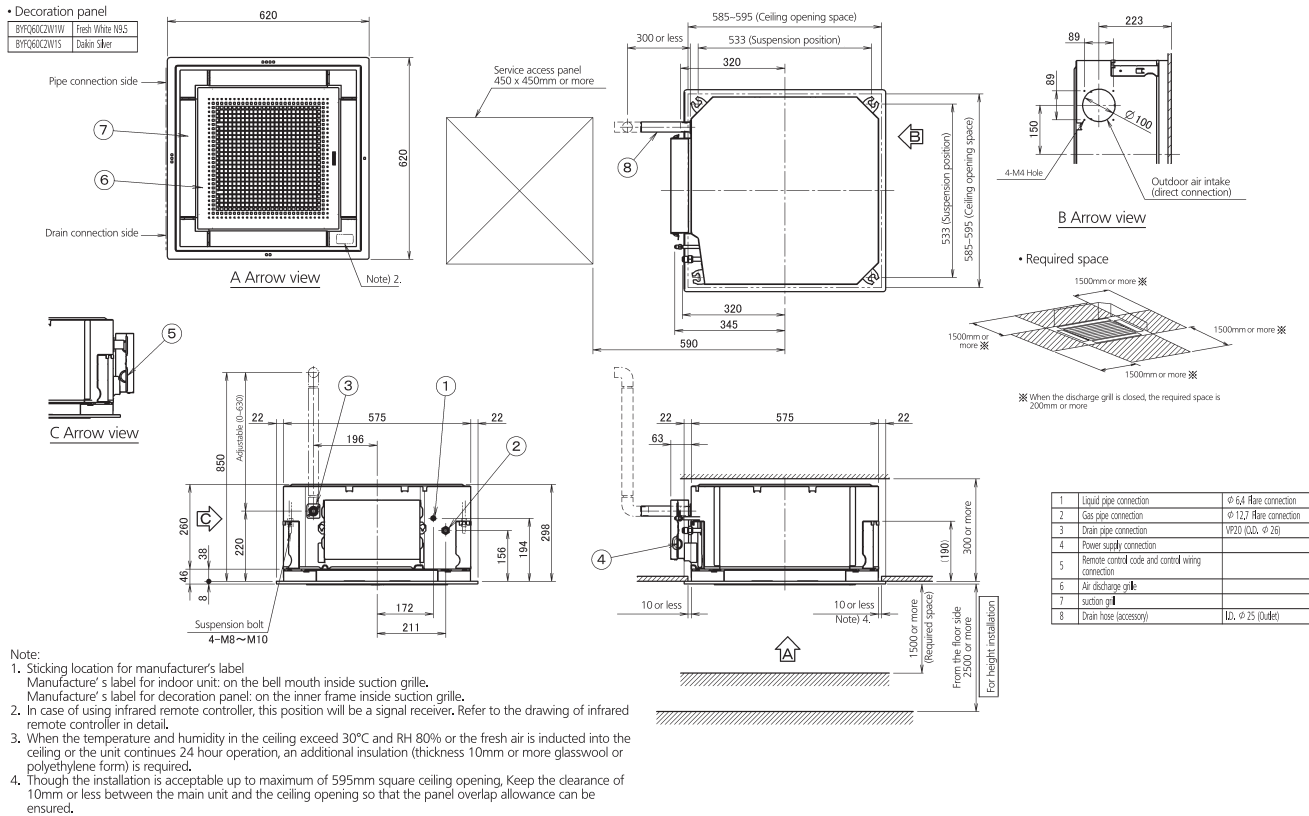
Main unit

Branch discharge   Main discharge

› Standard drain pump with 630mm lift increases flexibility and installation speed

500 mm

Indoor Units

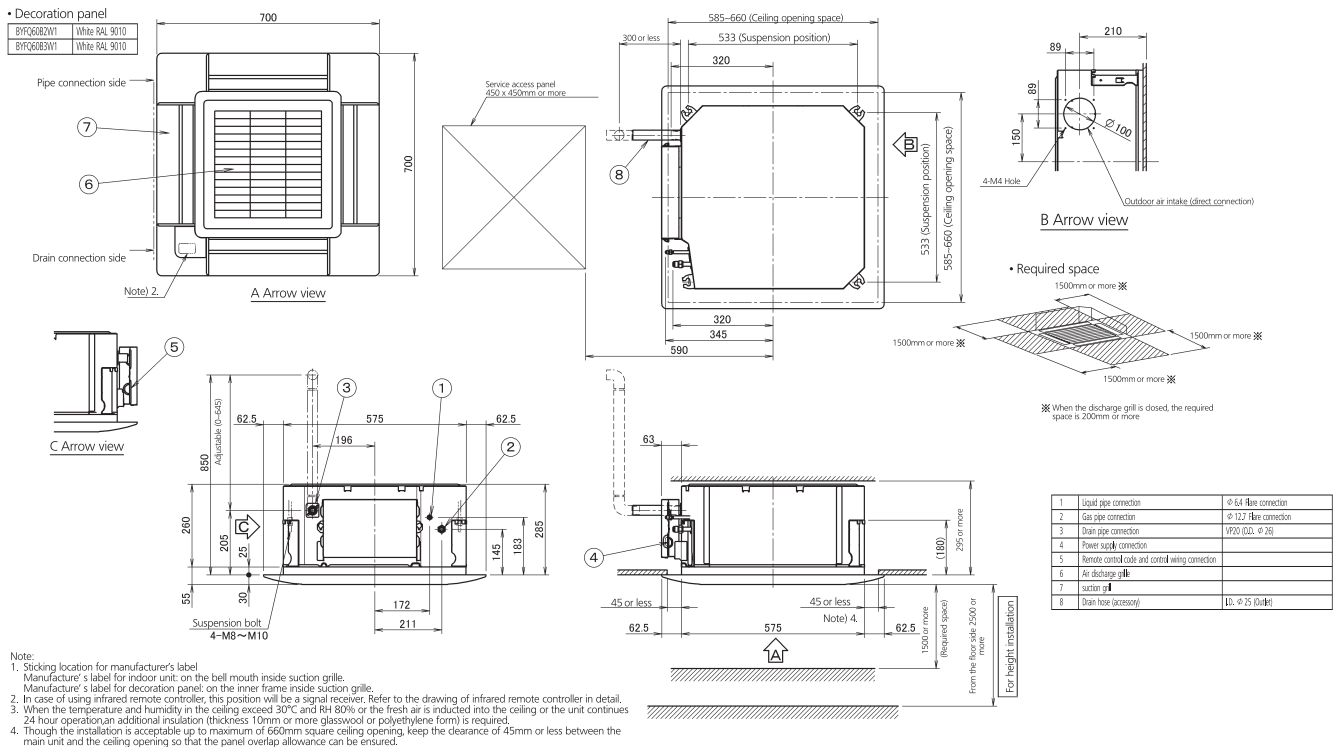| Indoor unit			FXZQ	15A	20A	25A	32A	40A	50A
Cooling capacity	Nom.		kW	1.7	2.2	2.8	3.6	4.5	5.6
Heating capacity	Nom.		kW	1.9	2.5	3.2	4.0	5.0	6.3
Power input - 50Hz	Cooling	Nom.	kW	0.043			0.045	0.059	0.092
	Heating	Nom.	kW	0.036			0.038	0.053	0.086
Dimensions	Unit	Height	mm	260					
		Width	mm	575					
		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.	dBA	49/-		50/-	51/-	54/-	60/-
Sound pressure level	Cooling	High/Nom./Low	dBA	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	dBA	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) / BRC7EB530 (standard panel)					
	Wired remote control			BRC1D52 / BRC1E52A/B					
	Simplified wired remote control for hotel applications			BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)					

(1) Dimensions do not include control box (2) Contains fluorinated greenhouse gases

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FXZQ-A NEW PANEL

• Decoration panel

BYFQ60C2W1W	Fresh White N8.5
BYFQ60C2W1S	Daikin Silver

Pipe connection side

A Arrow view

Note) 2.

Service access panel
450 x 450mm or more

585~595 (Ceiling opening space)

300 or less

533 (Suspension position)

320

533 (Suspension position)
585~595 (Ceiling opening space)

320
345
590

B Arrow view

223
89
89
150
Ø 100
4-M4 Hole
Outdoor air intake
(direct connection)

• Required space

1500mm or more ※
1500mm or more ※
1500mm or more ※
1500mm or more ※

※ When the discharge grill is closed, the required space is
200mm or more

C Arrow view

Adjustable (0~630)
850
22 575 22
196
260
220
298
156 194
38
46
8
172
211
Suspension bolt
4-M8~M10

22 575 22
63
(190)
300 or more
10 or less
10 or less
Note) 4.
1500 or more 2500 or more (Required space)
From the floor side
For height installation

1	Liquid pipe connection	Ø 6.4 Flare connection
2	Gas pipe connection	Ø 12.7 Flare connection
3	Drain pipe connection	VP20 (O.D. Ø 26)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge grille	
7	suction grill	
8	Drain hose (accessory)	I.D. Ø 25 (Outlet)

Note:
1. Sticking location for manufacturer's label
   Manufacture's label for indoor unit: on the bell mouth inside suction grille.
   Manufacture'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 form) 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.

3D082052

FXZQ-A OLD PANEL

• Decoration panel

BYFQ60B2W1	White RAL 9010
BYFQ60B3W1	White RAL 9010

Pipe connection side

Drain connection side

Note) 2.

A Arrow view

Service access panel
450 x 450mm or more

585~660 (Ceiling opening space)

300 or less

533 (Suspension position)

320

533 (Suspension position)
585~660 (Ceiling opening space)

320
345
590

B Arrow view

210
89
89
150
Ø 100
4-M4 Hole
Outdoor air intake (direct connection)

• Required space

1500mm or more ※
1500mm or more ※
1500mm or more ※
1500mm or more ※

※ When the discharge grill is closed, the required space is 200mm or more

C Arrow view

Adjustable (0~645)
850
62.5 575 62.5
196
260
205
285
145 183
25
55
30
172
211
Suspension bolt
4-M8~M10

63
(180)
295 or more
45 or less
45 or less
Note) 4.
62.5 575 62.5
1500 or more (Required space)
From the floor side 2500 or more
For height installation

1	Liquid pipe connection	Ø 6.4 Flare connection
2	Gas pipe connection	Ø 12.7 Flare connection
3	Drain pipe connection	VP20 (O.D. Ø 26)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge grille	
7	suction grill	
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Note:
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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 form) is required.
4. Though the installation is acceptable up to maximum of 660mm square ceiling opening, keep the clearance of 45mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

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