

FCQG-F/FCQHG-F/FXFQ-A

Auto cleaning cassette

More energy efficient and user-friendly than any other cassette

- › Running costs are reduced by 50% compared with standard solutions
- › Automatic filter cleaning.
- › Less time is required to maintain the filter: dust can be removed easily with a vacuum cleaner without opening the unit.

Finer mesh panel

- › For dust prone areas (i.e. clothing and book shops) a finer mesh panel (BYCQ140DGF) ensures consistent performance and optimum air distribution
- › Clean ceilings ensured thanks to fine mesh and clean filter

BYCQ140DG	BYCQ140DGF
Auto-cleaning panel	auto-cleaning panel with fine mesh filter
White with grey louvers	White with grey louvers

Auto-cleaning cassette for maintaining the optimum store atmosphere

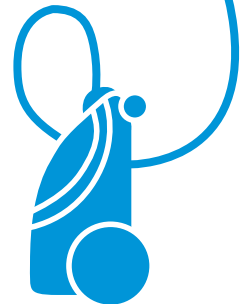


Air distribution with a clean filter



Air distribution with a dusty filter

Dust can be removed easily with a vacuum cleaner without opening the unit.

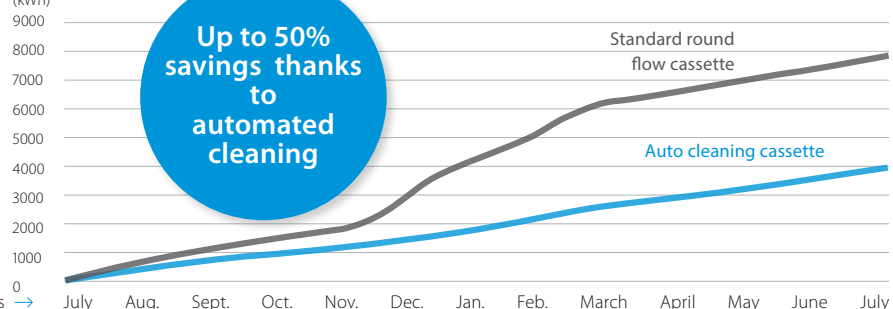


References

Coral shop, UK

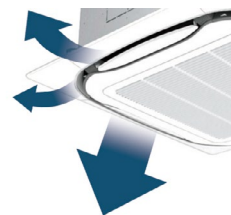
Running costs were reduced by up to 50% compared with standard solutions thanks to clean filter.

Energy consumption (kWh)



Why choose a round flow cassette?

- 360° air discharge for optimum comfort
- Intelligent sensors for maximum efficiency

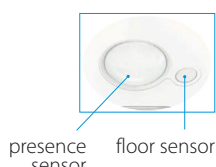


360° air discharge for improved comfort

- › Industry-first and proven design.

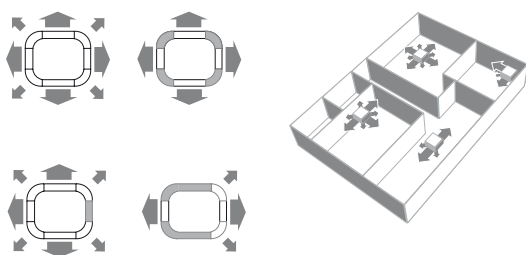
Intelligent sensors improve efficiency and comfort even more

- › The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings. It also automatically directs air flow away from any person to avoid draught.
- › The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.



Flexible installation

- › Flaps can be individually controlled or closed using the wired remote control, to suit room configuration. Optional closure kits are also available.



Benefits for the installer

- › Product with unique functions in this market.
- › Less time needed for onsite maintenance.
- › Use the controller to individually open or close any of the four flaps to easily adapt to a changing room layout.
- › Easy set-up of the sensor option to improve comfort and save energy.

Benefits for the consultant

- › Product with unique functions in this market.
- › Designed for use in all types and sizes of commercial offices and retail environments.
- › Ideal product for improving BREEAM score/EPBD in combination with Sky Air Seasonal Smart or VRV IV heat pump units.

Benefits for the end user

- › Designed for use in all types and sizes of commercial offices and retail environments.
- › Perfect environment conditions: no more draughts or cold feet.
- › Save up to 50% on running costs with the auto-cleaning panel, which also facilitates maintenance.
- › Your customers can save up to 27% on their energy bills thanks to the sensor option.
- › Flexible use of space thanks to individual flap control.

Marketing tools

- › Visit the website: www.daikineurope.com/minisite/round-flow-cassette/



www.youtube.com/DaikinEurope



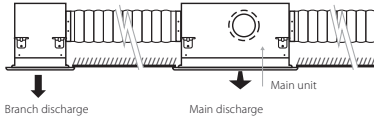


AUTO CLEANING PANEL WITH FINE MESH FILTER, IDEAL FOR CLOTHING SHOPS

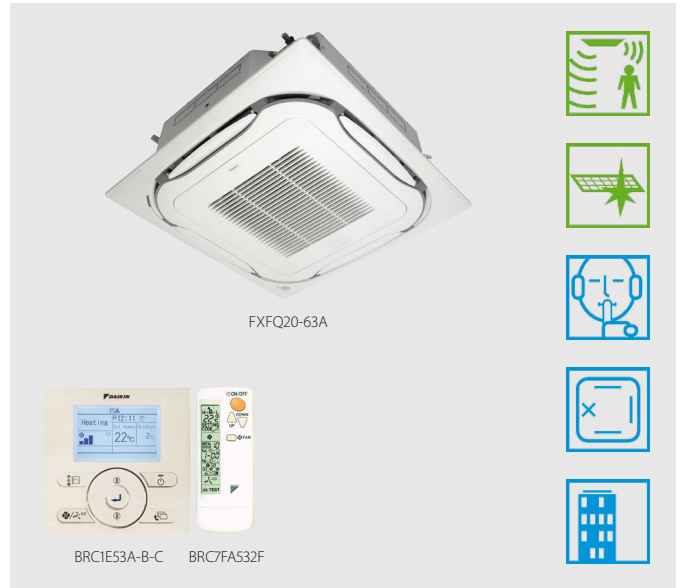
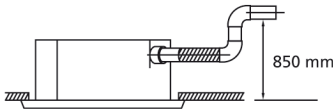
Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Lowest installation height in the market: 214mm for class 20-63
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



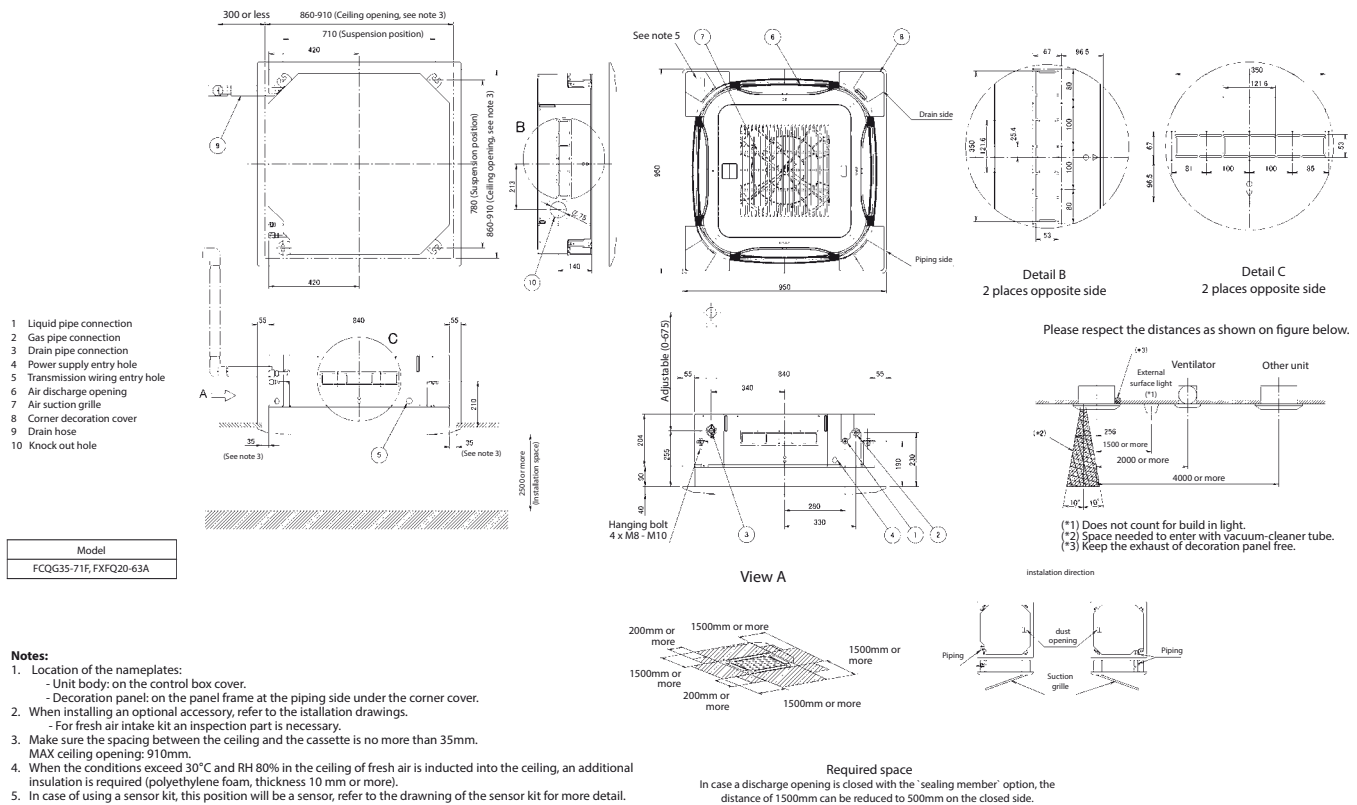
- › Standard drain pump with 675mm lift increases flexibility and installation speed



Indoor unit				FXFQ	20A	25A	32A	40A	50A	63A	80A	100A	125A
Cooling capacity	Nom.			kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	11.2	14.0
Heating capacity	Nom.			kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	12.5	16.0
Power input - 50Hz	Cooling	Nom.		kW	0.038				0.053	0.061	0.092	0.115	0.186
	Heating	Nom.		kW	0.038				0.053	0.061	0.092	0.115	0.186
Dimensions	Unit	Height		mm	204						246		288
		Width		mm	840								
		Depth		mm	840								
Weight	Unit			kg	19			20	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				BYCQ140D7GFW1 - auto cleaning panel with fine mesh filter								
	Colour				Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm		130x950x950								
	Weight			kg	10.3								
Decoration panel 2	Model				BYCQ140D7GW1 - auto cleaning panel								
	Colour				Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm		130x950x950								
	Weight			kg	10.3								
Decoration panel 3	Model				BYCQ140D7W1W - full white								
	Colour				Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm		50x950x950								
	Weight			kg	5.4								
Decoration panel 4	Model				BYCQ140D7W1 - white with grey louvers								
	Colour				Pure White (RAL 9010)								
	Dimensions	HeightxWidthxDepth	mm		50x950x950								
	Weight			kg	5.4								
Fan-Air flow rate - 50Hz	Cooling	High/Nom./Low	m³/min		12.5/10.6/8.8			13.6/11.6/9.5	15.0/12.8/10.5	16.5/13.5/10.5	22.8/17.6/12.4	26.5/19.5/12.4	33.0/26.5/19.9
	Heating	High/Nom./Low	m³/min		12.5/10.6/8.8			13.6/11.6/9.5	15.0/12.8/10.5	16.5/13.5/10.5	22.8/17.6/12.4	26.5/19.5/12.4	33.0/26.5/19.9
Air filter	Type				Resin net with mold resistance								
Sound power level	Cooling	High/Nom.	dBA		49/-			51/-		53/-	55/-	60/-	61/-
Sound pressure level	Cooling	High/Nom./Low	dBA		31/29/28			33/31/29		35/33/30	38/34/30	43/37/30	45/41/36
	Heating	High/Nom./Low	dBA		31/29/28			33/31/29		35/33/30	38/34/30	43/37/30	45/41/36
Refrigerant	Type				R-410A								
	GWP				2,087.5								
Piping connections	Liquid	OD	mm		6.35					9.52			
	Gas	OD	mm		12.7					15.9			
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	16								
Control systems	Infrared remote control				BRC7FA532F								
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52								
	Simplified wired remote control for hotel applications				BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)								

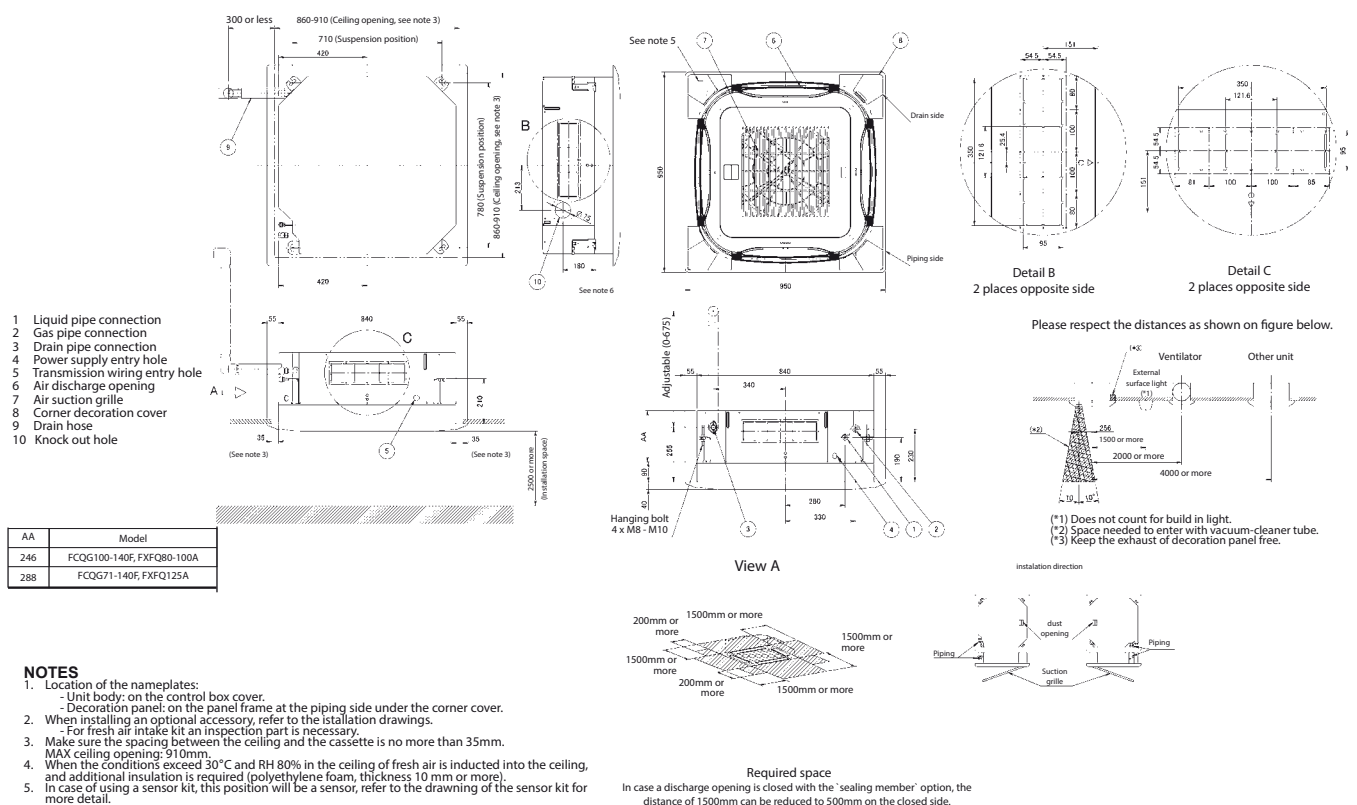
(1) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.
 (2) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

FXFQ20-63A WITH AUTO-CLEANING PANEL



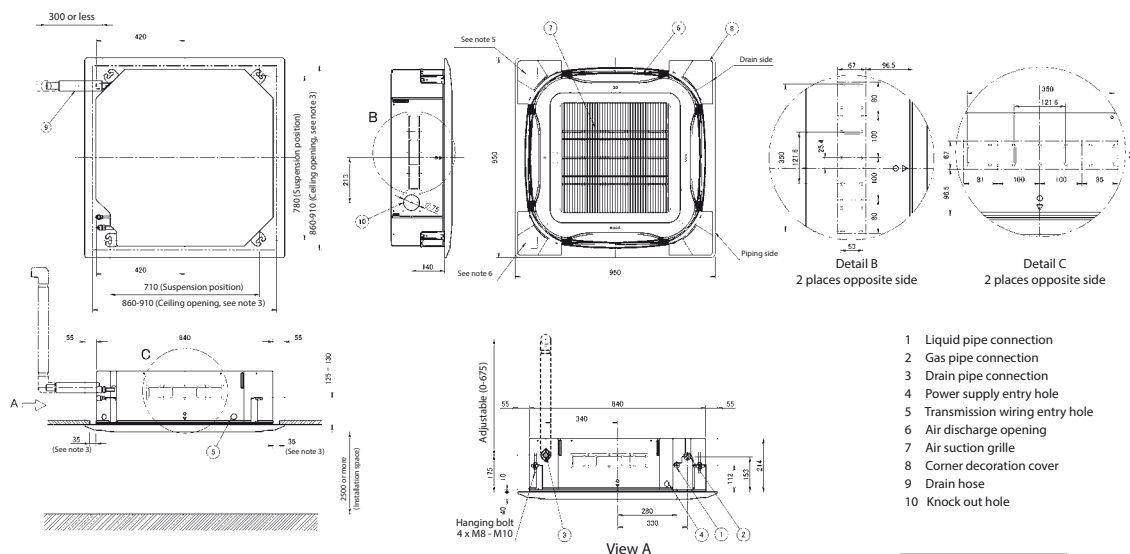
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FXFQ80-125A WITH AUTO-CLEANING PANEL



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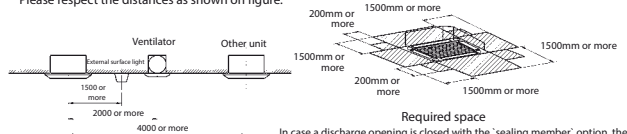
FXFO20-63A WITH STANDARD PANEL



Notes:

- Notes:**
1. Location of the nameplates:
 - Unit body: on the control box cover.
 - Decoration panel: on the panel frame at the piping side under the corner cover.
 2. When installing an optional accessory, refer to the installation drawings.
 - For fresh air intake kit an inspection port is necessary.
 3. Make sure the spacing between the ceiling and the cassette is no more than 35mm. MAX ceiling opening: 910mm.
 4. When the conditions exceed 30°C, and RH 80% in the ceiling of fresh air is induced into the ceiling, and additional insulation is required (polyethylene foam, thickness: 10 mm or more).
 5. In case of using a sensor kit, this position will be a sensor, refer to the drawing of the sensor kit for more detail.
 6. In case of using an infrared controller, this position will be a receiver, refer to the drawing of the infrared controller for more detail.

Please respect the distances as shown on figure.

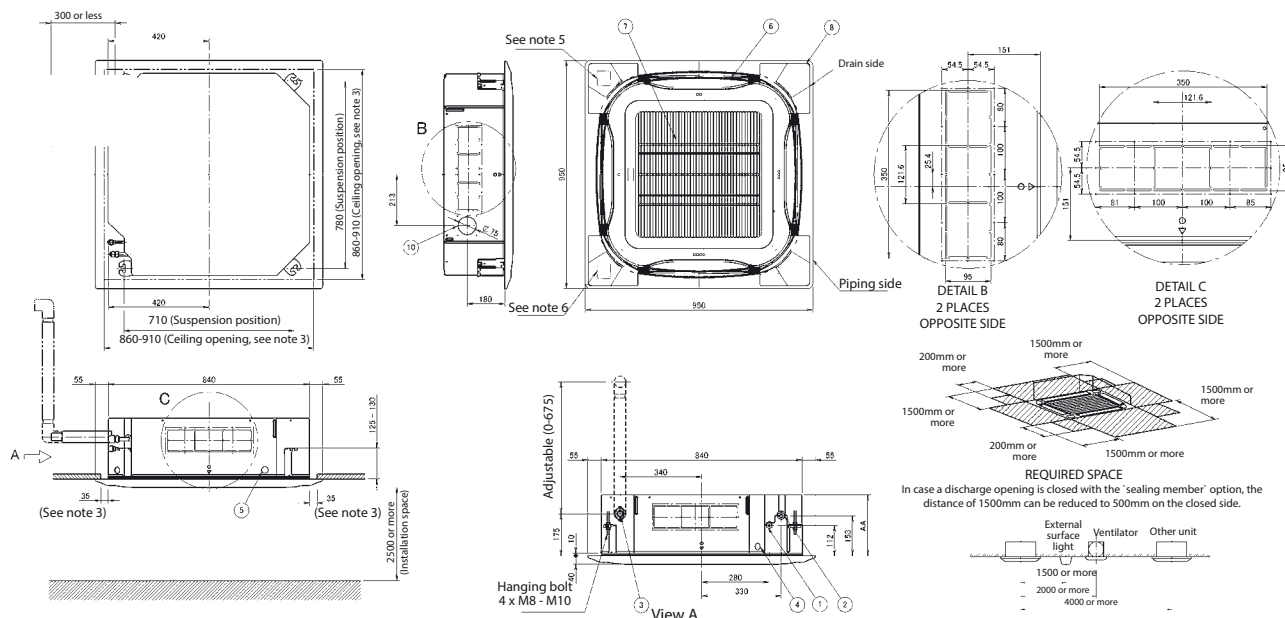


Required space

In case a discharge opening is closed with the 'sealing member' option, the distance of 1500mm can be reduced to 500mm on the closed side.

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FXFQ80-125A WITH STANDARD PANEL



Notes:

- Notes:**
- Location of the nameplates:
 - Unit body: on the control box cover.
 - Decoration panel: on the panel frame at the piping side under the corner cover.
 - When installing an optional accessory, refer to the installation drawings.
 - For fresh air intake kit an inspection part is necessary
 - Make sure the spacing between the ceiling and the cassette is no more than 35mm. MAX ceiling opening: 910mm.
 - When the conditions exceed 30°C and RH 80% in the ceiling of fresh air is inducted into the ceiling, and additional insulation is required (polyethylene foam, thickness 10 mm or more).
 - In case of using a sensor kit, this position will be a sensor, refer to the drawing of the sensor kit for more detail.
 - In case of using an infrared controller, this position will be a receiver, refer to the drawing of the infrared controller for more detail.

Item	Name
1	Liquid pipe connection
2	Gas pipe connection
3	Drain pipe connection
4	Power supply entry hole
5	Transmission wiring entry hole
6	Air discharge opening
7	Air suction grille
8	Corner decoration cover
9	Drain hose
10	Knock out hole

	Model
256	FCQG100-140FVEB, FXFQ80-100AVEB
298	FCQHG71-140FVEB, FXFQ125AVEB

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