



Air Conditioning

Technical Data

Round flow cassette



EEDEN14-100

FCQG-F

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FCQG-F

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1 Features

- The round flow cassette provides a more comfortable environment and offers greater savings in energy consumption to shop, office and restaurant owners
- 360° air discharge ensures uniform air flow and temperature distribution
- Modern style decoration panel is available in 3 different variations: pure white (RAL9010) auto cleaning panel, pure white (RAL9010) standard panel with grey louvers and pure white (RAL9010) standard panel with white louvers
- Daikin introduces first auto cleaning cassette to European market.
- Higher efficiency and comfort thanks to daily auto cleaning of the filter.
- Lower maintenance costs thanks to auto cleaning function.
- Easy dust removal with vacuum cleaner without opening the unit.
- The presence sensor (optional) : - adjusts the temperature or switches off the unit when there is nobody in the room - ensures the air flow is directed away from any person detected in the room, when the air flow control is activated
- The floor sensor (optional) detects the average floor temperature and ensures even temperature distribution between ceiling and floor. Cold feet will become history.
- Individual flap control: possibility to adapt the room layout by fixing the position of each flap individually
- Fresh air intake: up to 20 %
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.



Presence & floor sensor	Home leave operation	Fan only	Auto-cleaning filter	Draught prevention	Whisper quiet	Ceiling soiling prevention	Individual flap control	Vertical auto swing
Fan speed steps	Dry programme	Air filter	Weekly timer	Infrared remote control	Wired remote control	Centralised control	Auto-restart	Self diagnosis
Drain pump kit	Twin/triple/double twin application	Multi model application	VRV for residential application					

2 Specifications

2-1 Technical Specifications				FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Casing	Material			Galvanised steel plate						
Dimensions	Unit	Height/Width/Depth	mm	204/840/840				246/840/840		
	Packed unit	Height/Width/Depth	mm	220/880/880				260/880/880		
Weight	Unit		kg	18	19		21	24		
	Packed unit		kg	22	23		25	28		
Decoration panel	Model			BYCQ140D7W1						
	Colour			Pure White (RAL 9010)						
	Dimensions	Height/Width/Depth	mm	50/950/950						
	Weight		kg	5.4						
Decoration panel 2	Model			BYCQ140D7W1W						
	Colour			Pure White (RAL 9010)						
	Dimensions	Height/Width/Depth	mm	50/950/950						
	Weight		kg	5.4						
Decoration panel 3	Model			BYCQ140D7GW1						
	Colour			Pure White (RAL 9010)						
	Dimensions	Height/Width/Depth	mm	130/950/950						
	Weight		kg	10.3						
Heat exchanger	Inside length		mm	2,134			2,090			
	Outside length		mm	2,181			2,184			
	Rows	Quantity		2			3			
	Fin pitch		mm	1.2						
	Passes	Quantity		4	6		12	14		
	Face area		m²	0.278	0.366		0.371	0.464		
	Stages	Quantity		9	12			15		
	Empty tubeplate hole	Quantity		0						
	Fin	Type		Cross fin coil (multi slit fins and hi-XA tubes)						
Fan	Type			Turbo fan						
	Quantity			1						
	Air flow rate	Cooling	High	m³/min	12.5	12.6	13.6	15.0	22.8	26.0
			Nom.	m³/min	10.6	10.7	11.2	12.1	17.6	19.2
			Low	m³/min	8.7			9.1	12.4	
		Heating	High	m³/min	12.5	12.6	13.6	15.0	22.8	26.0
			Nom.	m³/min	10.6	10.7	11.2	12.1	17.6	19.2
Low			m³/min	8.7			9.1	12.4		
Fan motor	Model			QTS48D11M				QTS48C15M		
	Speed	Steps		3						
	Output	High	W	48				106		
Sound power level	Cooling		dBA	49		51		54	58	
	Heating		dBA	49		51		54	58	
Sound pressure level	Cooling	High/Nom./Low	dBA	31/29/27		33/31/28		37/33/29	41/35/29	
	Heating	Super high/High/Nom./Low	dBA	-/31/29/27		-/33/31/28		-/37/33/29	-/41/35/29	
Refrigerant	Type			R-410A						
Piping connections	Sound absorbing insulation			Foamed Polyurethane						
	Liquid	Type/OD	mm	Flare connection/6.35			Flare connection/9.52			
	Gas	Type/OD	mm	Flare connection/9.52	Flare connection/12.7			Flare connection/15.9		
	Drain			VP25 (O.D. 32 / I.D. 25)						
	Heat insulation			Foamed polystyrene / Foamed polyethylene						
Air filter	Type			Resin net with mold resistance						

2 Specifications

Standard Accessories : Sealing pads; Quantity : 4;
 Standard Accessories : Drain hose;
 Standard Accessories : Washer for hanger bracket;
 Standard Accessories : Insulation for fitting; Quantity : 2;
 Standard Accessories : Clamps;
 Standard Accessories : Operation manual;
 Standard Accessories : Clamp for drain hose;
 Standard Accessories : Installation manual;
 Standard Accessories : Screws;
 Standard Accessories : Installation guide;
 Standard Accessories : Drain sealing pad;

2-2 Electrical Specifications			FCQG35F	FCQG50F	FCQG60F	FCQG71F	FCQG100F	FCQG125F	FCQG140F
Power supply	Name		VE						
	Phase		1~						
	Frequency	Hz	50						
	Voltage	V	220-240						

Notes

- (1) The sound power level is an absolute value indicating the power which a sound source generates.
- (2) 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.
- (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

3 Electrical data

3 - 1 Electrical Data

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Unit combination		Power supply				Compressor	OFM		IFM	
Indoor unit	Outdoor unit	Hz-volts	Voltage range	MCA	MFA	RLA	kW	FLA	kW	FLA
FCQG35FVEB	RKS35J2V1B	50-220	Max, 50Hz-253V Min, 50Hz-207V	9,75	10	7,1	0,023	0,23	0,048	0,30
	RXS35J2V1B	50-230				3,9				
	RXS35K2V1B	50-240				3,7				
FCQG50FVEB	RKS50J2V1B	50-220		19,75	20	6,0	0,053	0,27	0,048	0,30
	RXS50J2V1B	50-230				5,7				
	RXS50K2V1B	50-240				3,4				
FCQG60FVEB	RKS60F3V1B	50-220		19,75	20	7,4	0,053	0,19	0,048	0,30
	RXS60F3V1B	50-230				7,1				
	RXS60F4V1B	50-240				6,8				
FCQG71FVEB	REQ71B8V3B	50-230		16,30	32	12,2	0,065	0,6	0,106	0,40
FCQG71FVEB	RR71B8V3B	50-230		16,30	32	12,2	0,065	0,6	0,106	0,40
FCQG35FVEB x2	RR71B8V3B	50-230		16,50	32	12,2	0,065	0,6	0,048 x2	0,3 x2
FCQG71FVEB	RQ71B8V3B	50-230		16,30	32	12,2	0,065	0,6	0,106	0,40
FCQG35FVEB x2	RQ71B8V3B	50-230		16,50	32	12,2	0,065	0,6	0,048 x2	0,3 x2
FCQG100FVEB	REQ100B8V3B	50-230		23,50	40	17,6	0,09	0,8	0,106	0,70
FCQG100FVEB	RR100B8V3B	50-230		23,50	40	-	0,09	0,8	0,106	0,70
FCQG35FVEB x3	RR100B8V3B	50-230		24,00	40	-	0,09	0,8	0,048 x3	0,3 x3
FCQG50FVEB x2	RR100B8V3B	50-230		23,50	40	-	0,09	0,8	0,048 x2	0,3 x2
FCQG100FVEB	RQ100B8V3B	50-230		23,50	40	17,6	0,09	0,8	0,106	0,70
FCQG35FVEB x3	RQ100B8V3B	50-230		24,00	40	17,6	0,09	0,8	0,048 x3	0,3 x3
FCQG50FVEB x2	RQ100B8V3B	50-230		23,50	40	17,6	0,09	0,8	0,048 x2	0,3 x2
FCQG71FVEB	REQ71B8W1B	50-400	Max, 50Hz-440V Min, 50Hz-360V	6,80	16	4,8	0,065	0,6	0,106	0,20
FCQG71FVEB	RR71B8W1B	50-400		7,00	16	4,8	0,065	0,6	0,106	0,40
FCQG35FVEB x2	RR71B8W1B	50-400		7,20	16	4,8	0,065	0,6	0,048 x2	0,3 x2
FCQG71FVEB	RQ71B8W1B	50-400		7,00	16	4,8	0,065	0,6	0,106	0,40
FCQG35FVEB x2	RQ71B8W1B	50-400		7,20	16	4,8	0,065	0,6	0,048 x2	0,3 x2
FCQG100FVEB	REQ100B8W1B	50-400		8,90	16	5,9	0,09	0,8	0,106	0,70
FCQG100FVEB	RR100B8W1B	50-400		8,90	16	-	0,09	0,8	0,106	0,70
FCQG35FVEB x2	RR100B8W1B	50-400		9,10	16	-	0,09	0,8	0,048 x3	0,3 x3
FCQG50FVEB x2	RR100B8W1B	50-400		8,80	16	-	0,09	0,8	0,048 x2	0,3 x2
FCQG100FVEB	RQ100B8W1B	50-400		8,90	16	5,9	0,09	0,8	0,106	0,70
FCQG35FVEB x3	RQ100B8W1B	50-400		9,10	16	5,9	0,09	0,8	0,048 x3	0,3 x3
FCQG50FVEB x2	RQ100B8W1B	50-400		8,80	16	5,9	0,09	0,8	0,048 x2	0,3 x2
FCQG125FVEB	REQ125B8W1B	50-400		12,40	20	8,1	0,065 +0,085	0,6+ 0,7	0,106	1,00
FCQG125FVEB	RR125B8W1B	50-400		11,90	20	7,7	0,065 +0,085	0,6+ 0,7	0,106	1,00
FCQG50FVEB x3	RR125B8W1B	50-400		11,90	20	7,7	0,065 +0,085	0,6+ 0,7	0,048 x3	0,3 x3
FCQG60FVEB x2	RR125B8W1B	50-400		11,90	20	7,7	0,065 +0,085	0,6+ 0,7	0,048 x2	0,3 x2

SYMBOLS

MCA	: Min. Circuit Amps.
MFA	: Max. Fuse Amps (See note 6)
RLA	: Rated Load Amps
OFM	: Outdoor Fan Motor.
IFM	: Indoor Fan Motor.
FLA	: Full Load Amps.
kW	: Fan Motor Rated Output

NOTES

- 1 RLA is based on the following conditions:
Indoor temp.: 27°CDB/19,0°CWB
Outdoor temperature 35,0°CDB
- 2 Voltage range
Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- 3 Maximum allowable voltage variation between phases is 2%.
- 4 MCA/MFA
MCA = 1,25 x RLA + all FLA, MFA = < 2,25 x RLA + all FLA (next lower standard fuse rating Min. 16A)
- 5 Select wire size based on the larger value of MCA.
- 6 Instead of fuse, use circuit breaker.

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4 Safety device settings

4 - 1 Safety Device Settings

4

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Safety devices		FCQG35FVEB	FCQG50FVEB	FCQG60FVEB	FCQG71FVEB	FCQG100FVEB	FCQG125FVEB	FCQG140FVEB
Fuse		250V 5A	250V 5A	250V 5A	---	---	---	---
Fan motor thermal fuse	°C	---	---	---	---	---	---	---
Fan motor thermal protector	°C	---	---	---	---	---	---	---
Drain pump fuse	°C	---	---	---	---	---	---	---

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5 Options

5 - 1 Options

FCQG-F

OPTIONS

	Item	Model	FCQG35FVEB	FCQG50FVEB	FCQG60FVEB	FCQG71FVEB	FCQG100FVEB	FCQG125FVEB	FCQG140FVEB
1	Decoration panel	Standard				BYCQ140D7W1			
		White				BYCQ140D7W1W *3			
		Self clean				BYCQ140D7GW1 *5, *6			
2	Long life replacement filter	Non-woven type				KAFP551K160			
3	Fresh air intake kit (20% fresh air)	Chamber type				KDQ558140 *7			
4	Sealing member of air discharge outlet					KDBHQ558140 *7			
5	Sensor kit					BRYQ140A7			

CONTROL SYSTEM

	Item	Model	FCQG35FVEB	FCQG50FVEB	FCQG60FVEB	FCQG71FVEB	FCQG100FVEB	FCQG125FVEB	FCQG140FVEB
1	Remote controller	Infrared	H/P			BRC7FA532F *7			
		Wired				BRC1D528 *4			
						BRC1E51A *4			
						BRC1E52A / BRC1E52B			
2-1	Wiring adapter for electrical appendices (1)				KRP1BA57 *2 *7				
2-2	Wiring adapter for electrical appendices (2)				KRP4AA53 *2 *7				
2-3	Wiring adapter (hour meter)				EKRP1C11 *2 *7				
3	Remote sensor				KRC501-4B				
4	Installation box for adapter PCB				KRP1H98 *7				
5	Central remote controller				DCS302CA51				
6	Unified ON/OFF controller				DCS301BA51				
7	Electrical box with earth terminal (2 blocks)				KIB212AA				
8	Electrical box with earth terminal (3 blocks)				KIB311AA				
9	Schedule timer				DST301BA51				
10	Remote On/Off				EKROR02				

*1 All options are supplied as kit.

*2 Installation box is necessary for these adapters.

*3 The BYCQ140D7W1W has white insulations.
Be informed that formation of dirt on white insulations is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.

*4 Not recommended because of the limitation of the functions.

5 To be able to control the BYCQ140D7GW1 the controller BRC1E is needed.

*6 The BYCQ140D7GW1 is not compatible with Mini-VRV, Multi and Split Non-Inverter Outdoor units.

*7 Option not available in combination with BYCQ140D7GW1.

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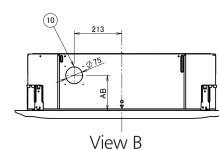
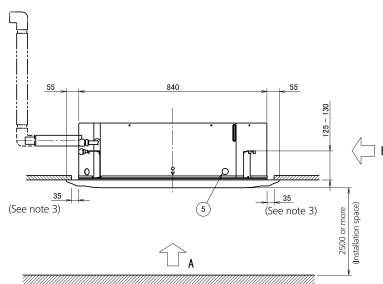
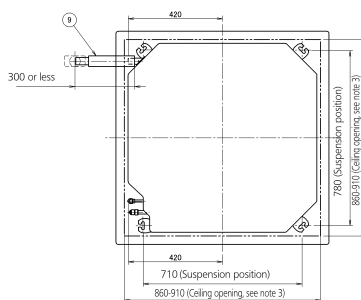
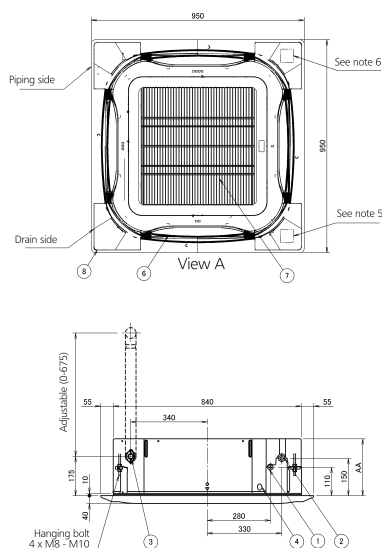
6 Dimensional drawings

6 - 1 Dimensional Drawings

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FCQG-F

Standard panel



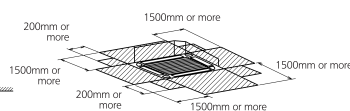
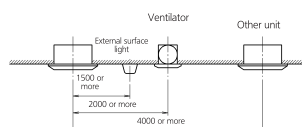
- 1 Liquid pipe connection
- 2 Gas pipe connection
- 3 Drain pipe connection
- 4 Power supply entry hole
- 5 Transmission wiring entry hole
- 6 Air discharge opening
- 7 Air suction grille
- 8 Corner decoration cover
- 9 Drain hose
- 10 Knock out hole

AA	AB	Model
204	140	FCQG35-71F, FXFQ20-63A
246	180	FCQG100-140F, FXFQ80-100A
288	180	FCQHG71-140F, FXFQ125A

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 or fresh air is inducted into the ceiling, an 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.

5. Please respect the distances as shown on figure.

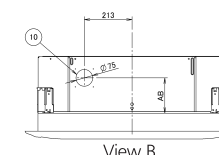
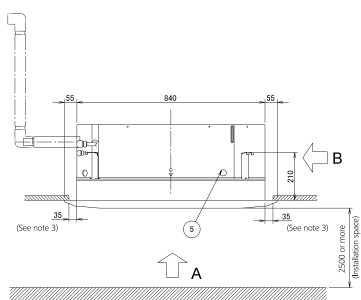
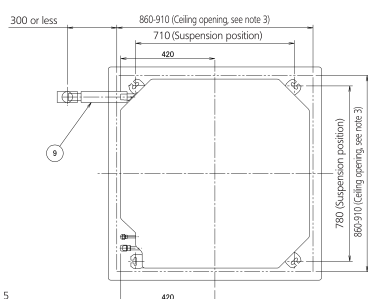
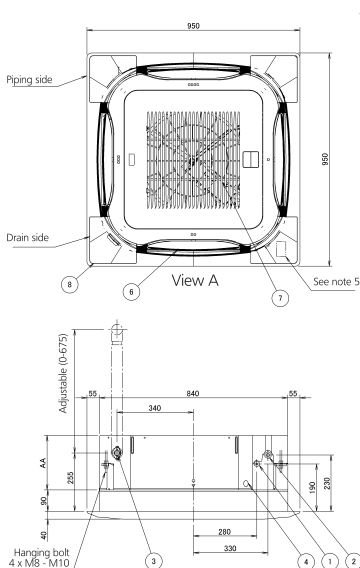


Required space
In case a discharge opening is closed with the 'sealing member' option, the distance of 1500mm can be reduced to 500mm on the closed side.

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FCQG-F

Auto cleaning panel



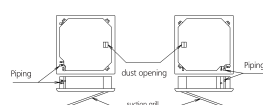
- 1 Liquid pipe connection
- 2 Gas pipe connection
- 3 Drain pipe connection
- 4 Power supply entry hole
- 5 Transmission wiring entry hole
- 6 Air discharge opening
- 7 Air suction grille
- 8 Corner decoration cover
- 9 Drain hose
- 10 Knock out hole

AA	AB	Model
204	140	FCQG35-71F, FXFQ20-63A
246	180	FCQG100-140F, FXFQ80-100A
288	180	FCQHG71-140F, FXFQ125A

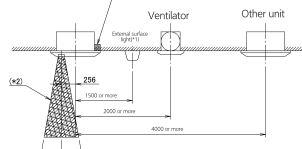
Notes:

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 or fresh air is inducted into the ceiling, an 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.

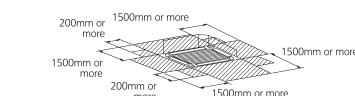
5. Installation direction



6. Please respect the distances as shown on figure below.



- (1*) Does not count for build in light.
- (2*) Space needed to enter with vacuum-cleaner tube.
- (3*) Keep the exhaust of decoration panel free.



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.

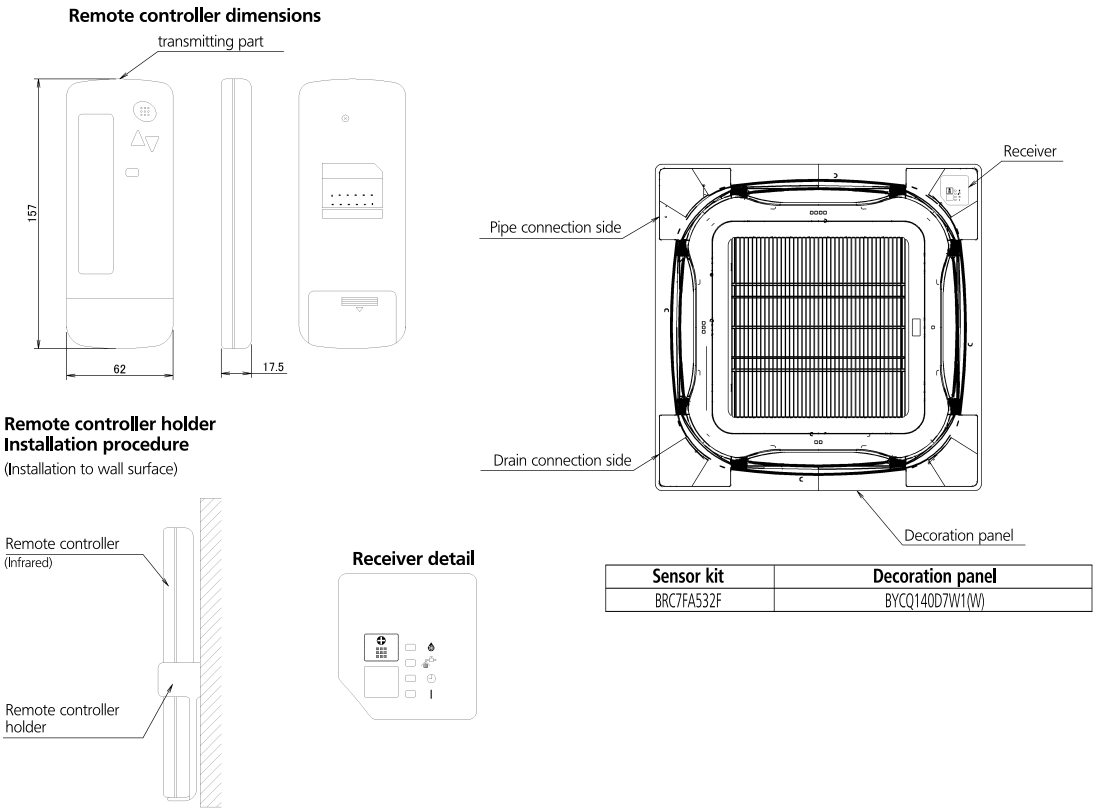
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6 Dimensional drawings

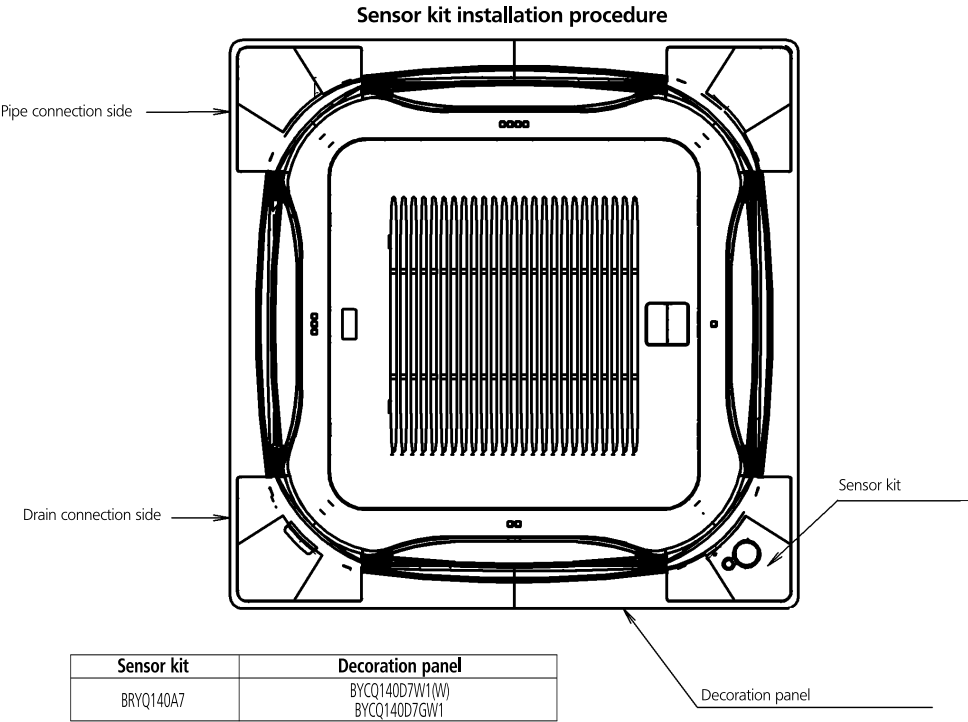
6 - 2 Dimensional Drawings with Accessories

FCQG-F



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FCQG-F



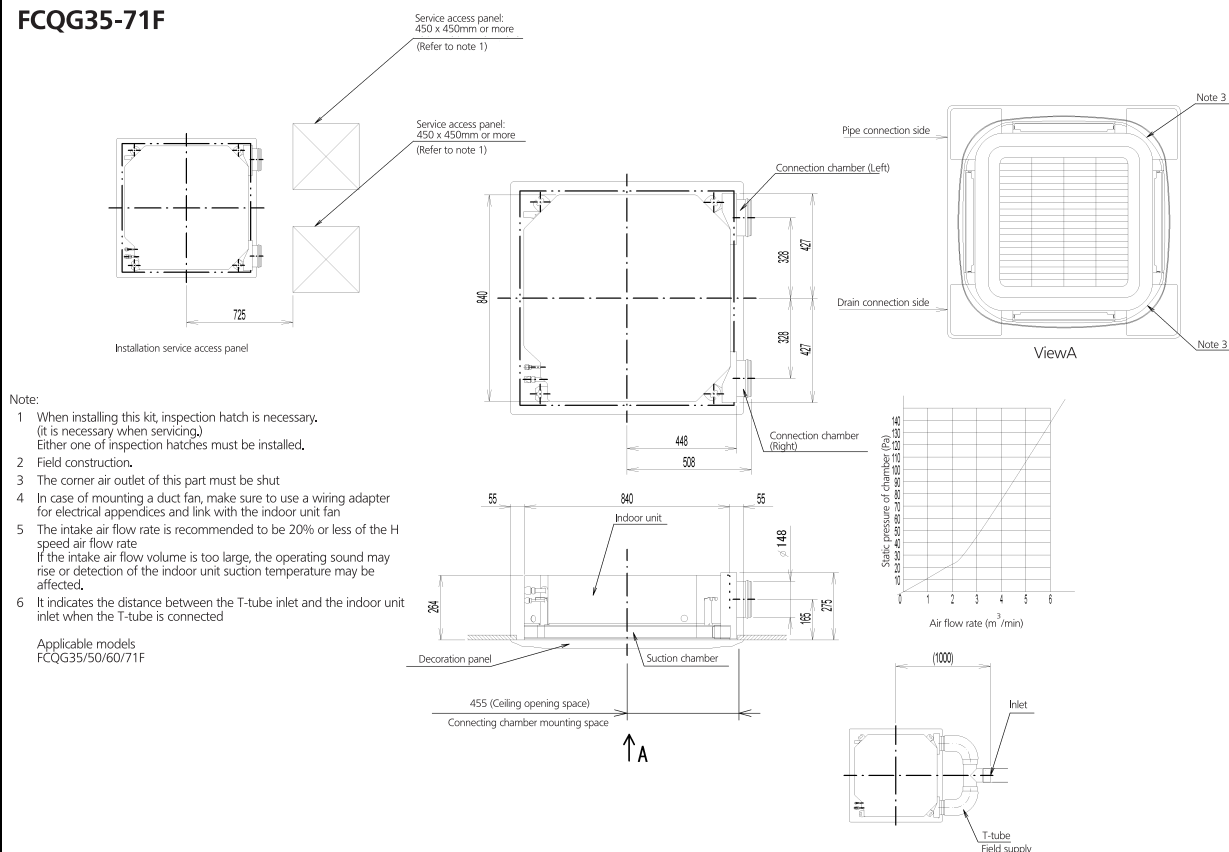
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6 Dimensional drawings

6 - 2 Dimensional Drawings with Accessories

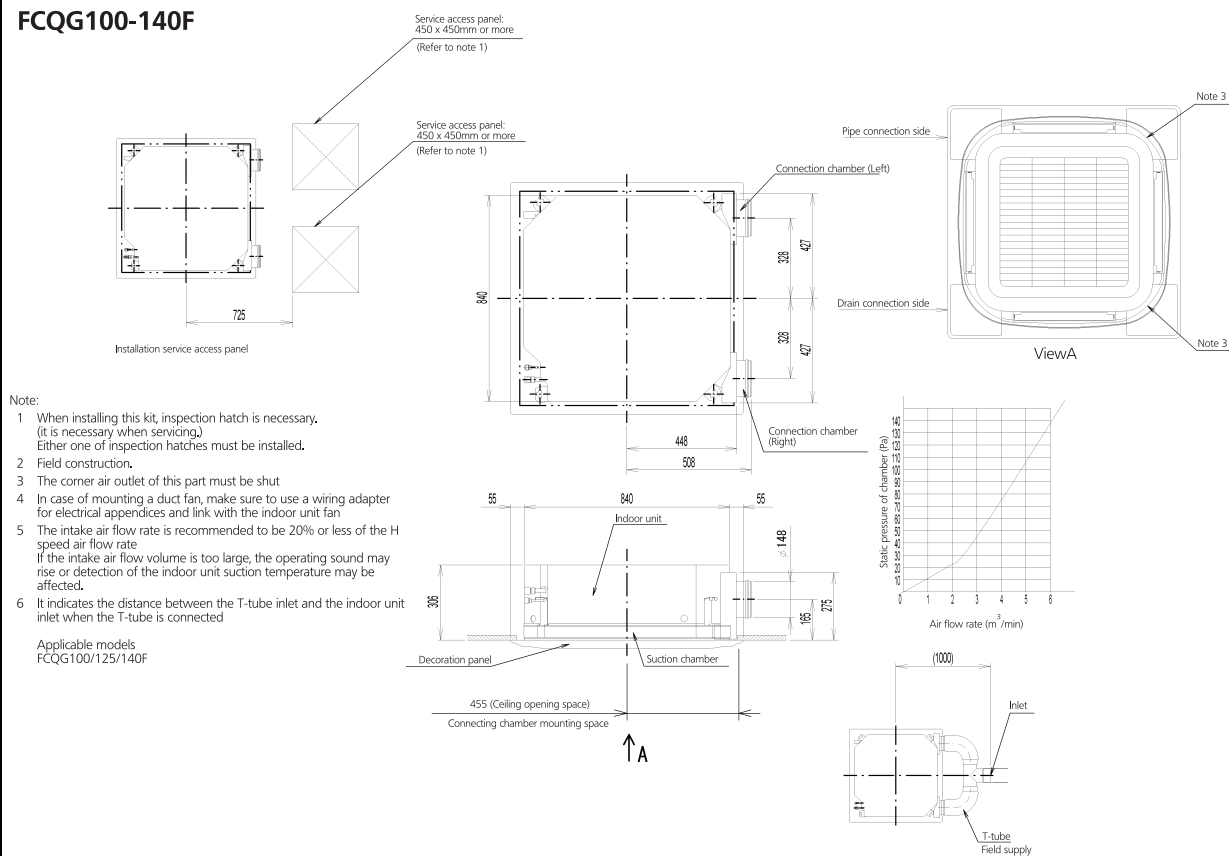
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FCQG35-71F



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FCQG100-140F

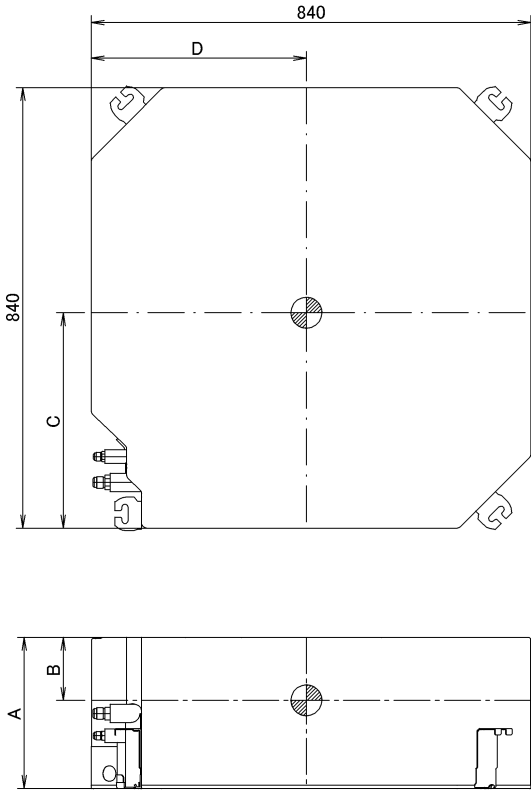


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7 Centre of gravity

7 - 1 Centre of Gravity

FCQG-F



Model	A	B	C	D
FCQG35~71FVEB	204	60	409	358
FCQG100~140FVEB	246	90	411	411

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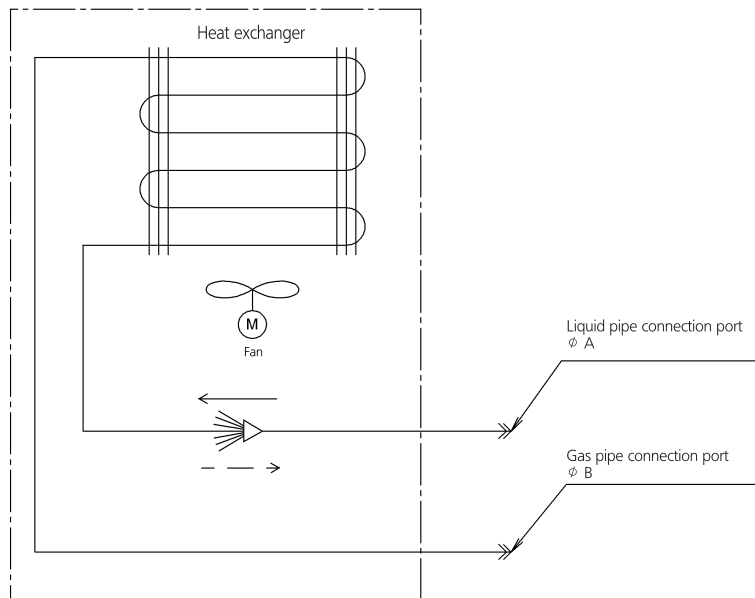
8 Piping diagrams

8 - 1 Piping Diagrams

8

FCQG-F

Refrigerant flow
Cooling ———→
Heating - - - ->



Model	A	B
FCQG35FVEB	6.35	9.52
FCQG50FVEB		12.7
FCQG60FVEB		
FCQG71FVEB	9.52	15.9
FCQG100FVEB		
FCQG125FVEB		
FCQG140FVEB		

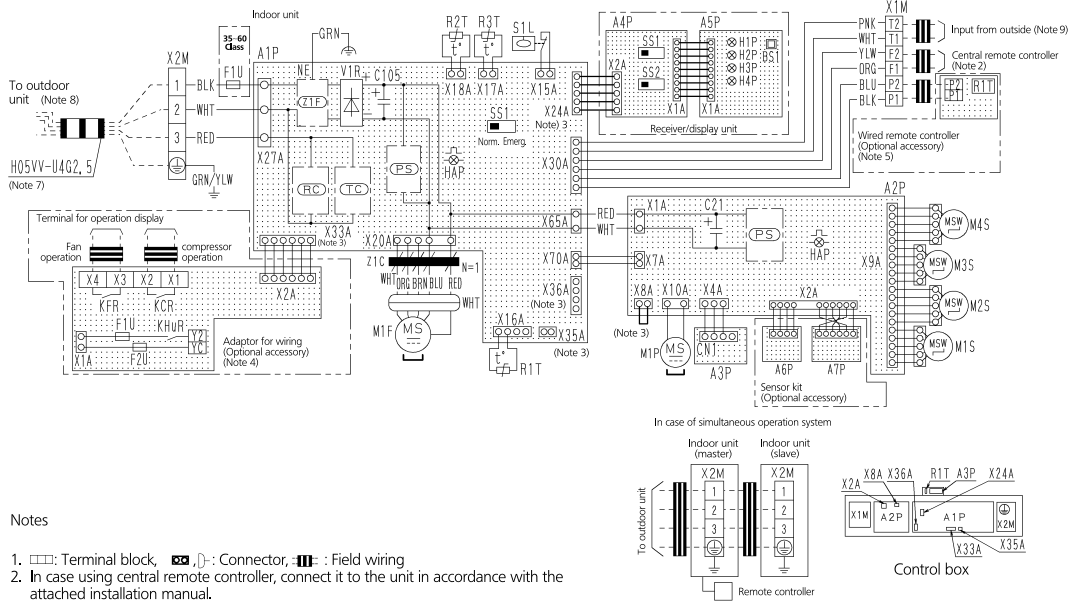
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9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FCQG-F

Indoor unit	
A1P	Printed circuit board
A2P	Printed circuit board
A3P	Printed circuit board
A3P	Humidity sensor unit
C21	Capacitor
C105	Capacitor
F1U	Fuse (5A, 250V)
HAP	Light emitting diode (service monitor green)
M1F	Motor (indoor fan)
M1P	Motor (drain pump)
M1S-MAS	Motor (swing flap)
R1T	Thermistor (air)
R2T-R3T	Thermistor (coil)
S1L	Reset switch
SS1	Selector switch (emergency)
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Z1C	Ferrite core (Noise filter)
Z1B	Noise filter
PS	Power supply circuit
RC	Signal receiver circuit
TC	Signal transmission circuit
Wired remote controller	
R1T	Thermistor (air)
Receiver/display unit (Attached to infrared remote controller)	
A4P	Printed circuit board
A5P	Printed circuit board
BS1	Push button (on/off)
H1P	Light emitting diode (on=red)
H2P	Light emitting diode (time=green)
H3P	Light emitting diode (filter sign=red)
H4P	Light emitting diode (defrost=orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (infrared address set)
Adaptor for wiring	
F1U	Fuse (C/D, 5A, 250V)
F2U	Fuse (C/D, 5A, 250V)
KCR	Magnetic relay
KFR	Magnetic relay
KHR	Magnetic relay (Hi)
Connector for optional parts	
X2A	Connector (Sensor kit)
X8A	Connector (Auto clean panel)
X24A	Connector (Infrared remote controller)
X33A	Connector (adaptor for wiring)
X35A	Connector (group control adaptor)
X36A	Connector (Auto clean panel)



Notes

- : Terminal block, ○: Connector, ■: Field wiring
- In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
- X2A, X8A, X33A, X35A, X36A are connected when the optional accessories are being used. In case of using an auto clean panel, see the wiring diagram of it.
- Connect power of adaptor for wiring to terminal block (X2M) of indoor unit directly.
- In case of main/sub overcharge, see the installation manual attached to remote controller.
- Symbols show as follows: RED:Red BLK:Black WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink GRY:Grey BLU:Blue.
- Shows only in case of protected pipes, use HO7RN-F in case of no protection.
- For the detail, see wiring diagram attached to outdoor unit.
- When connecting the input wires from outside, forced OFF or ON/OFF control operation can be selected by the remote controller. See installation manual for more details.

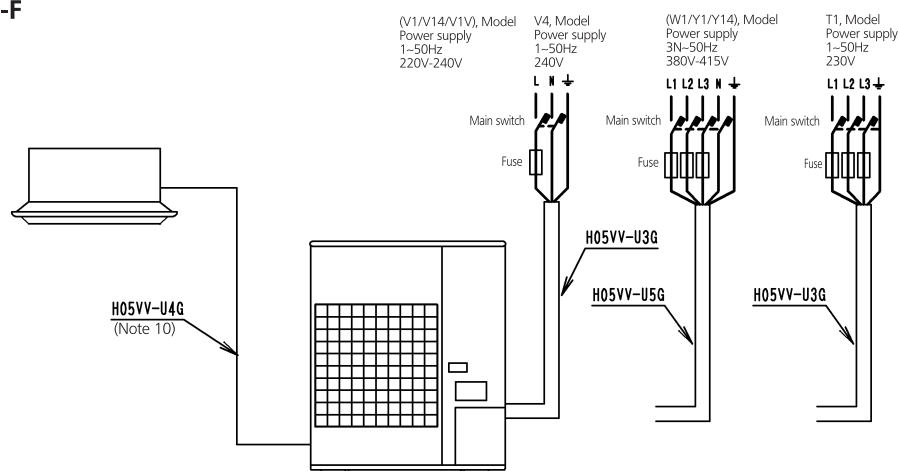
3D074344

10 External connection diagrams

10 - 1 External Connection Diagrams

10

FCQG-F



NOTES

- 1 Line voltage wiring
- 2 Control circuit wiring
- 3 All wiring, components and materials to be procured on the site must comply with the applicable local and national codes.
- 4 Use copper conductors only.
- 5 As for details, see wiring diagram.
- 6 Install fuse and main switch for safety.
- 7 All field wiring and components must be provided by a licensed electrician.
- 8 The unit shall be grounded in compliance with the applicable local and national codes.
- 9 Wiring shown are general points-of-connection guides only and are not intended for or to include all details for a specific installation.
- 10 Never share a common power supply with other equipment.
- 11 Show only in case of protected pipes. Use HO7RN-F in case of no protection.

4D010992G

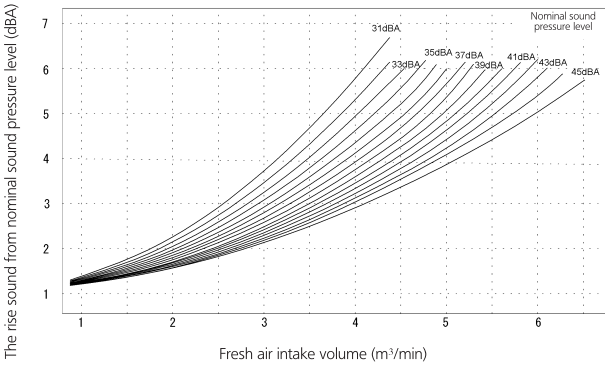
11 Sound data

11 - 1 Sound Pressure Spectrum

FCQG-F

Max fresh air intake volume table

The rise of operating sound with fresh air intake kit



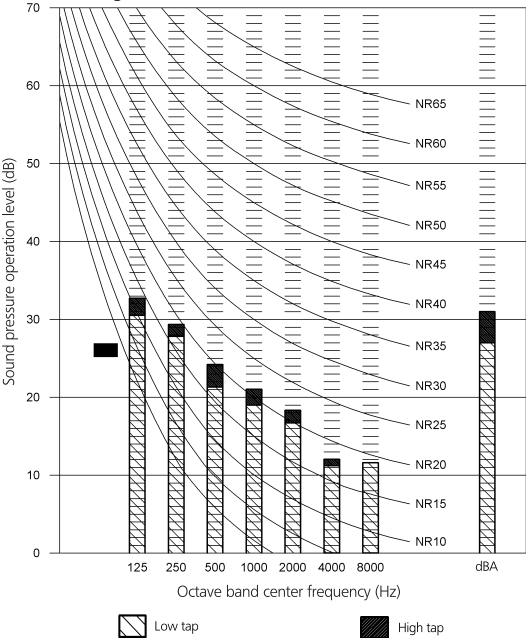
The maximum intake air flow volume is following table.
If the intake air flow volume is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.

FCQG-F	35	50	60	71	100	125	140
Max fresh air intake volume (m³/min)	2.5	2.5	2.7	3.0	4.5	5.2	5.2

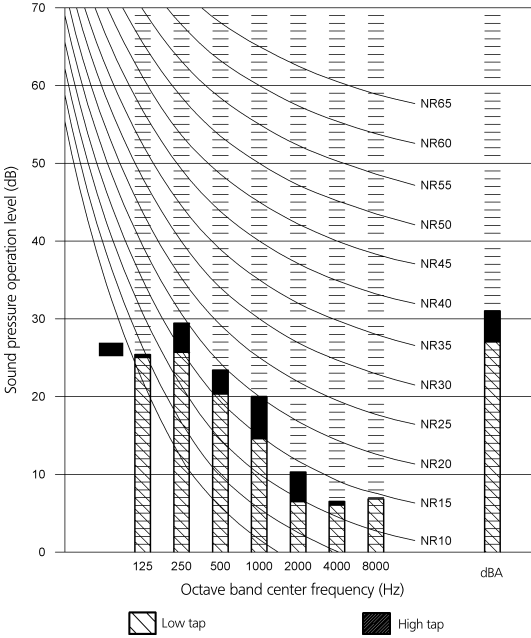
4D082223

FCQG35-50F

Cooling



Heating



NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressure 0dB = 20μPa.
- 5 Curve for FCQG35FVEB and FCQG50FVEB in cooling/heating mode.
- 6 Sound power level:

High tap
49 dB

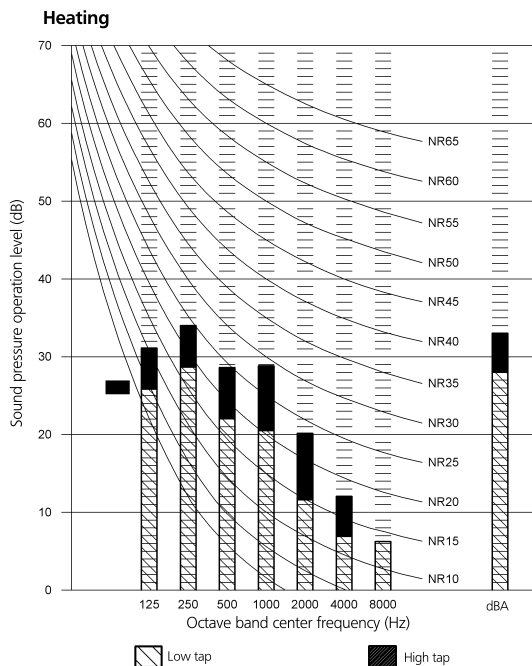
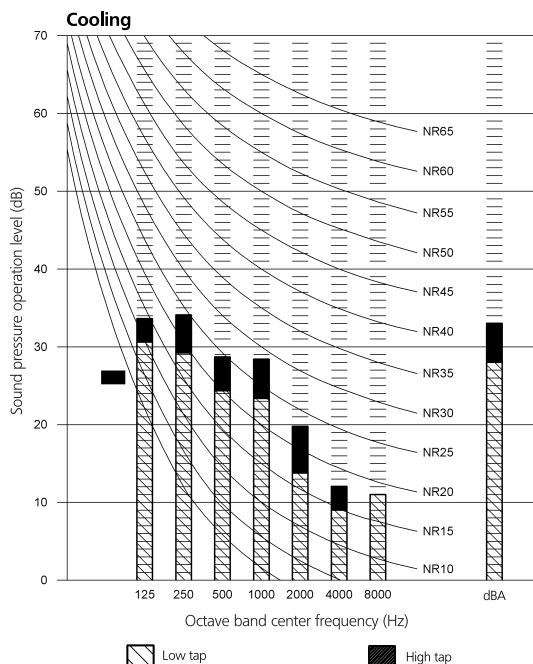
3D077504

11 Sound data

11 - 1 Sound Pressure Spectrum

11

FCQG60-71F



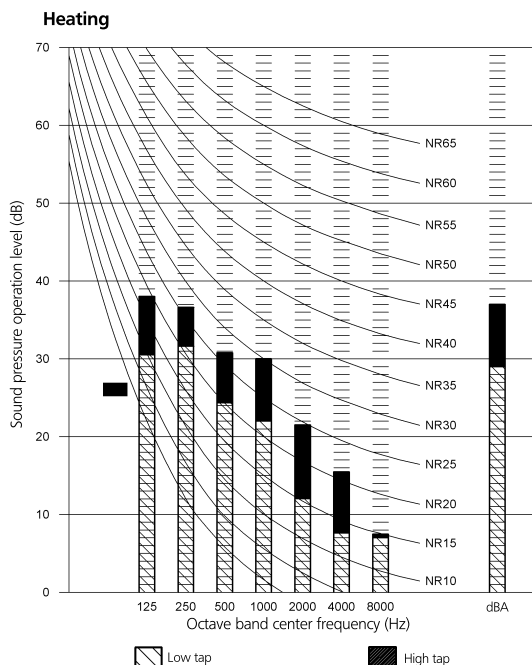
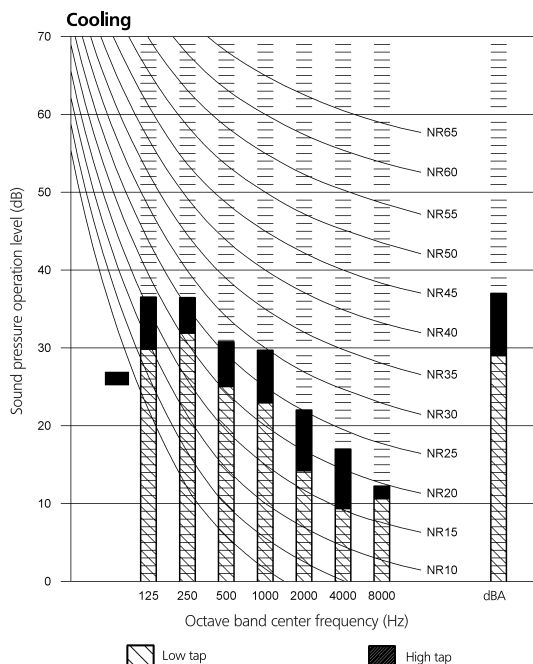
NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressure 0dB = 20μPa.
- 5 Curve for FCQG60FVEB and FCQG71FVEB in cooling/heating mode.
- 6 Sound power level:

High tap
51 dB

3D077505

FCQG100F



NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressure 0dB = 20μPa.
- 5 Curve for FCQG100FVEB in cooling/heating mode.
- 6 Sound power level:

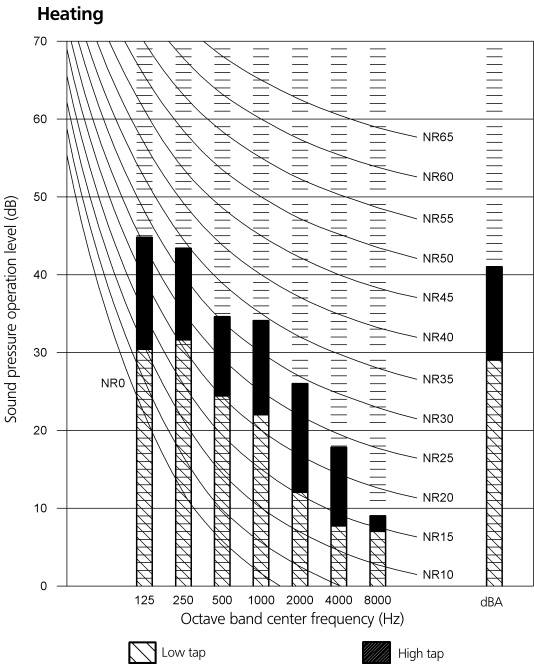
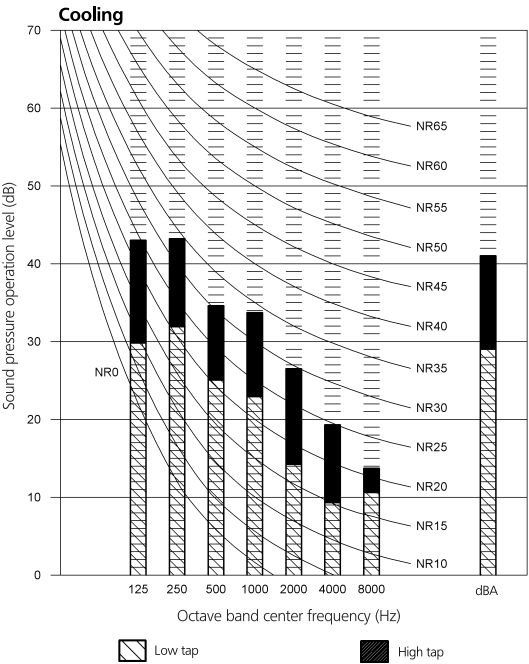
High tap
54 dB

3D077506

11 Sound data

11 - 1 Sound Pressure Spectrum

FCQG125-140F



NOTES

- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressure 0dB = 20μPa.
- 5 Curve for FCQG125FVEB and FCQG140FVEB in cooling/heating mode.
- 6 Sound power level:

High tap
58 dB

3D077531

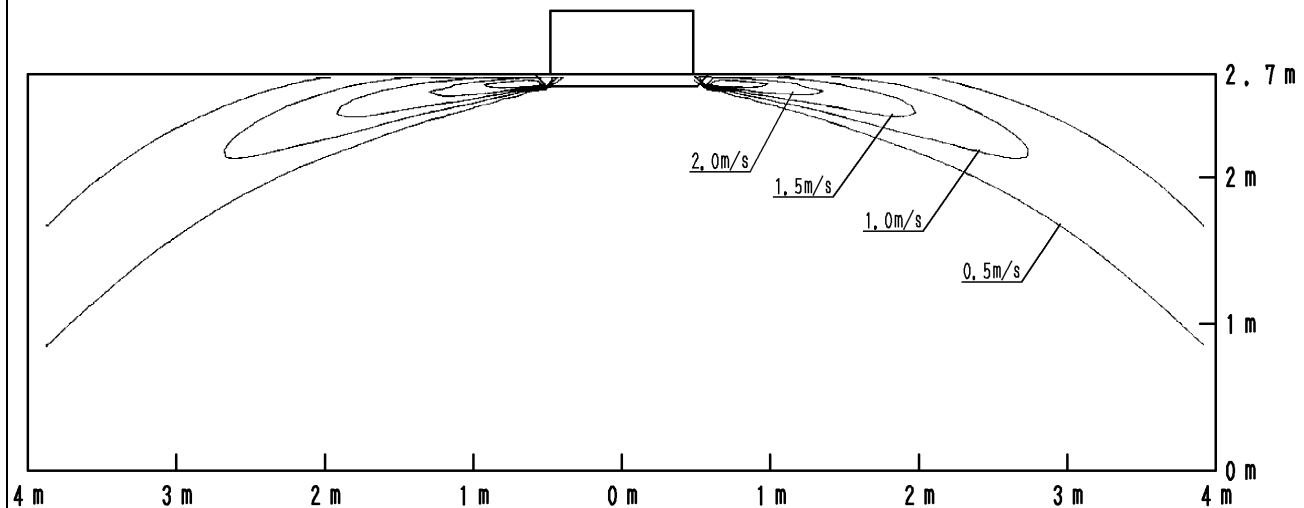
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FCQG35F

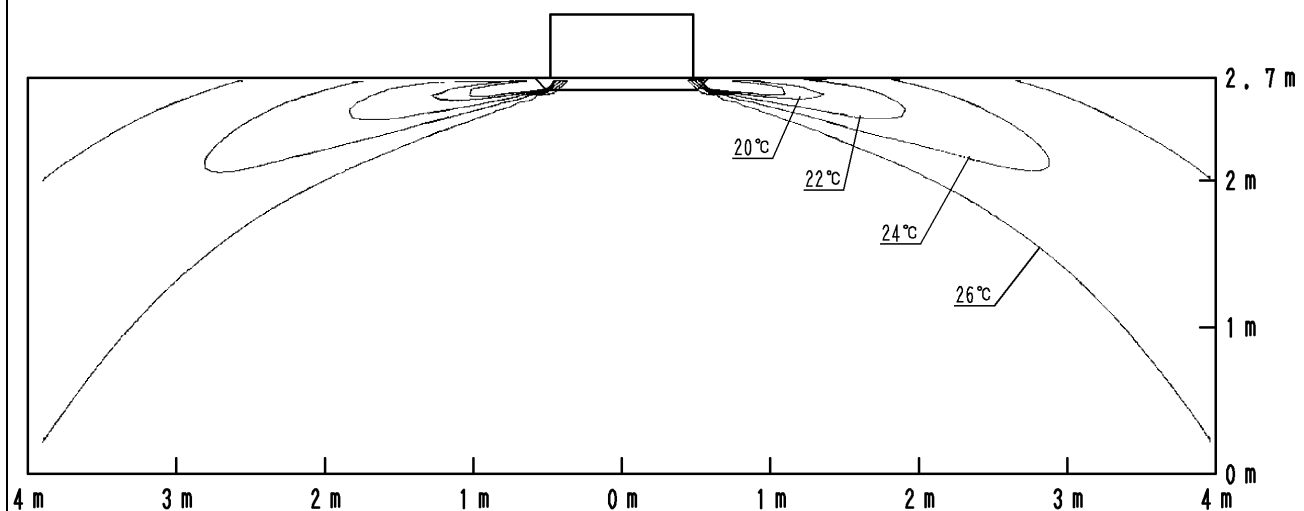
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077053A

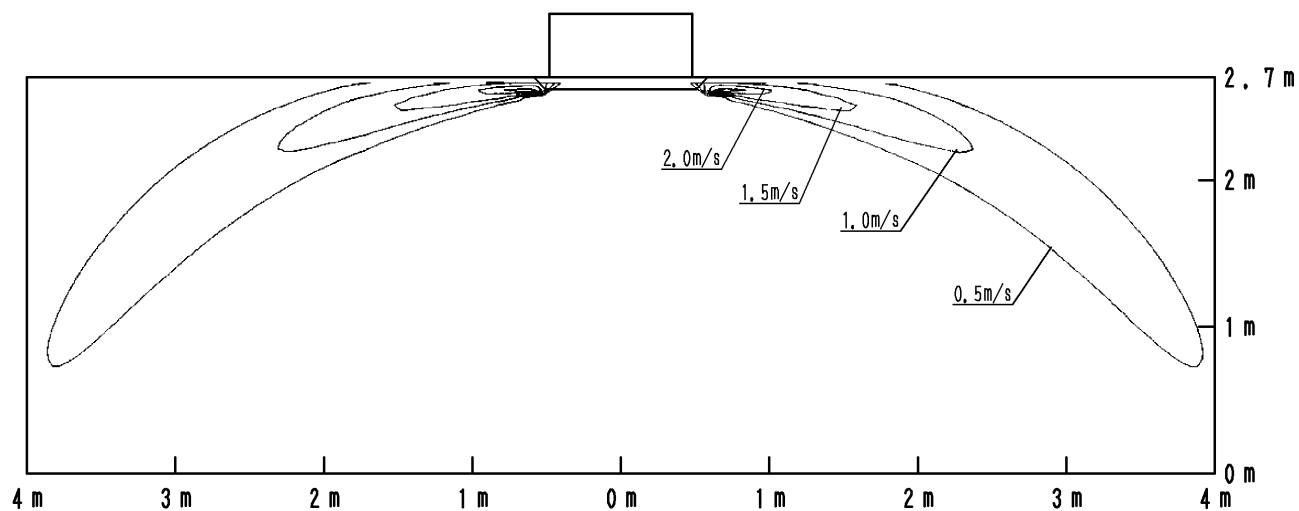
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FCQG50F

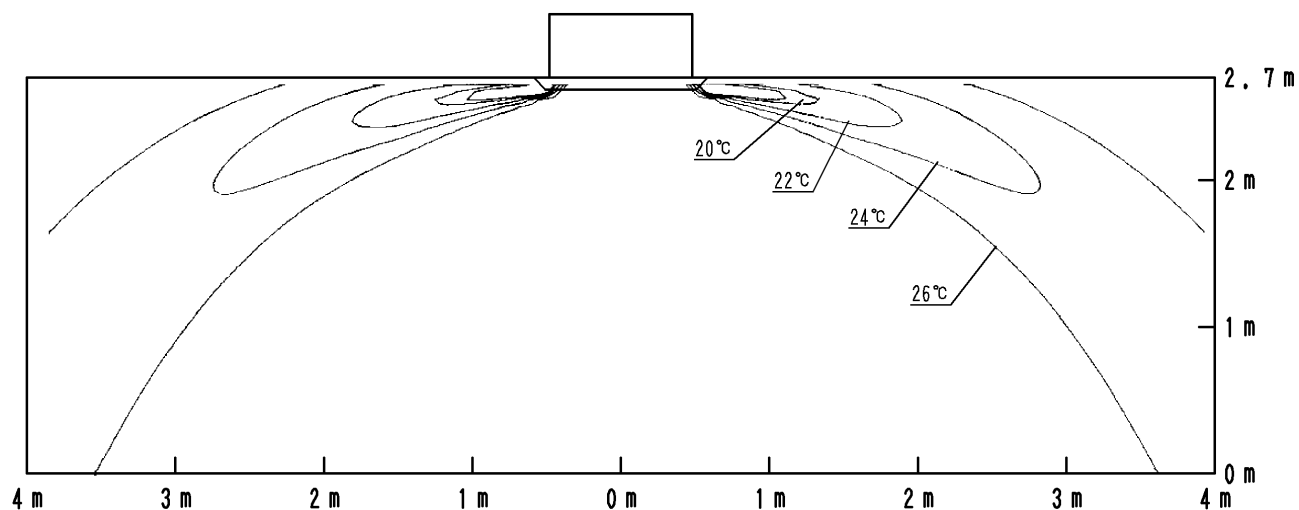
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077054

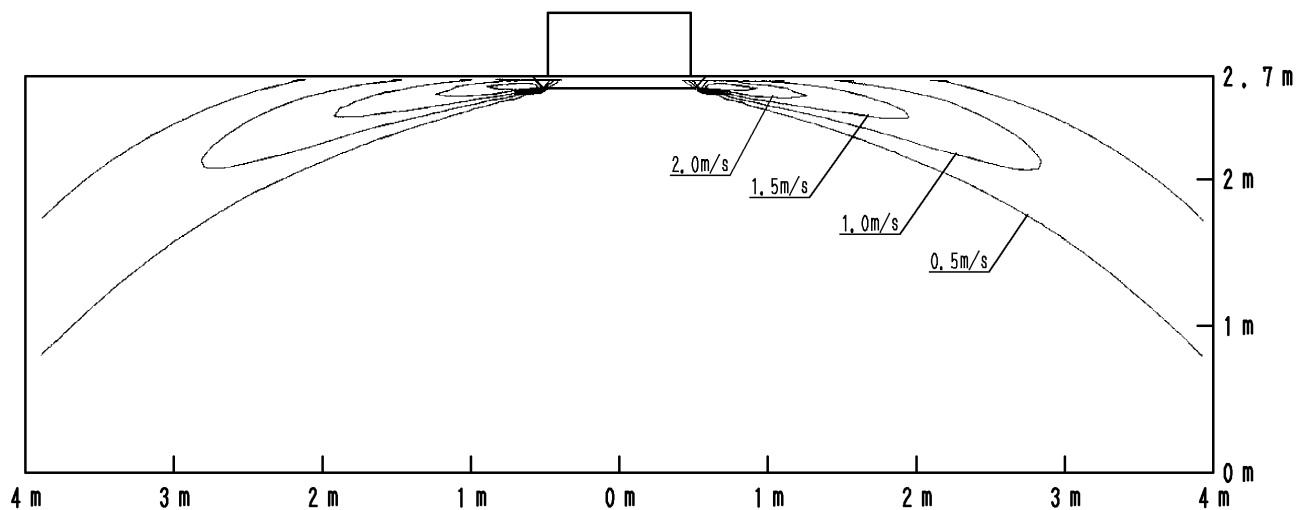
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FCQG60F

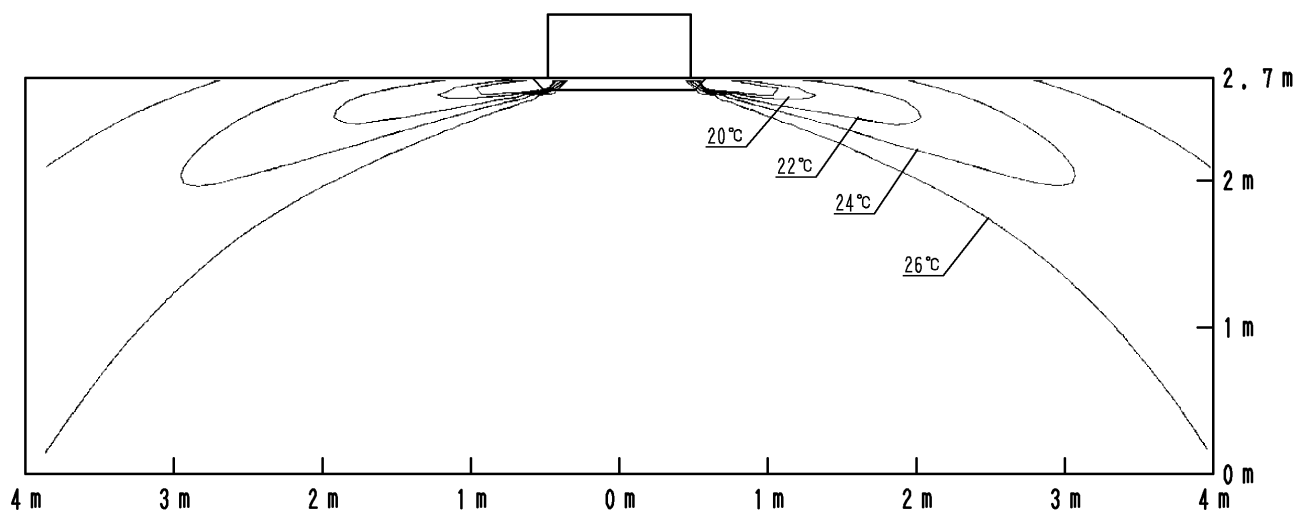
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077055A

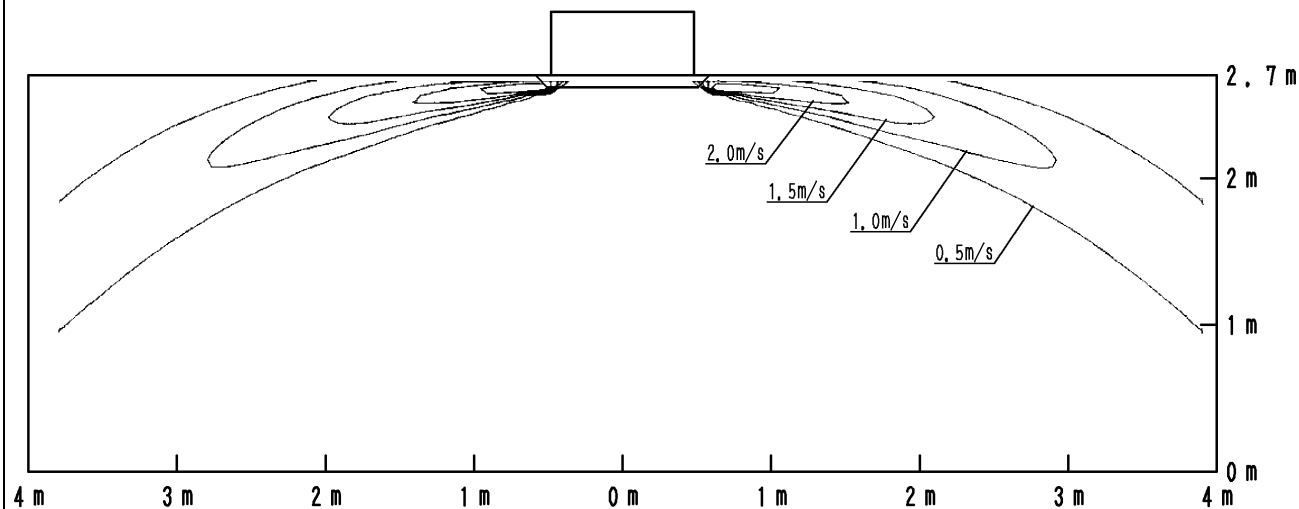
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FCQG71F

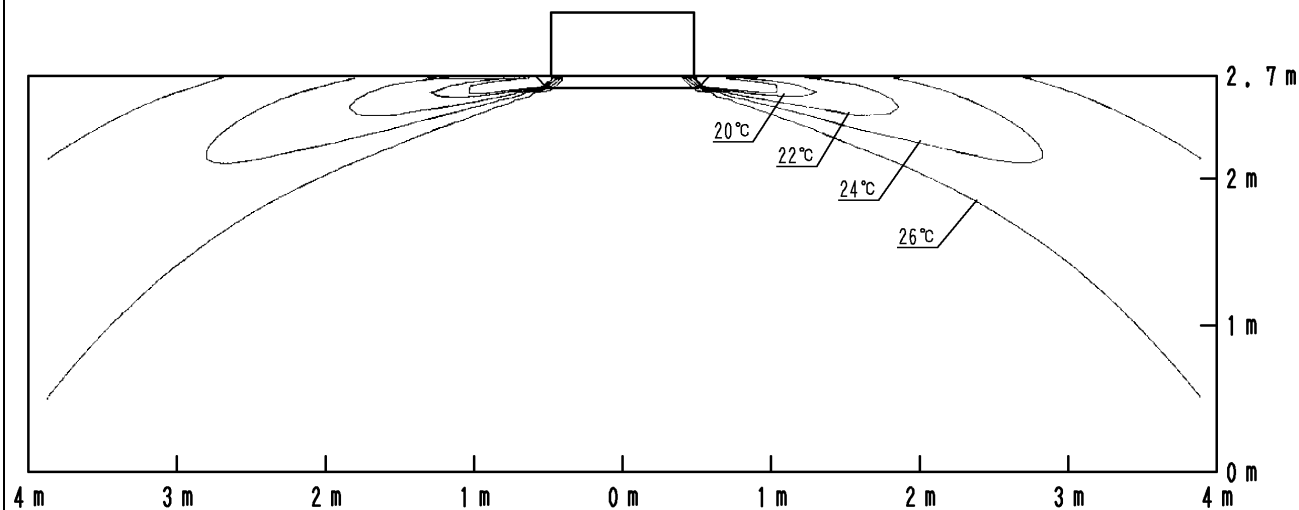
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077056A

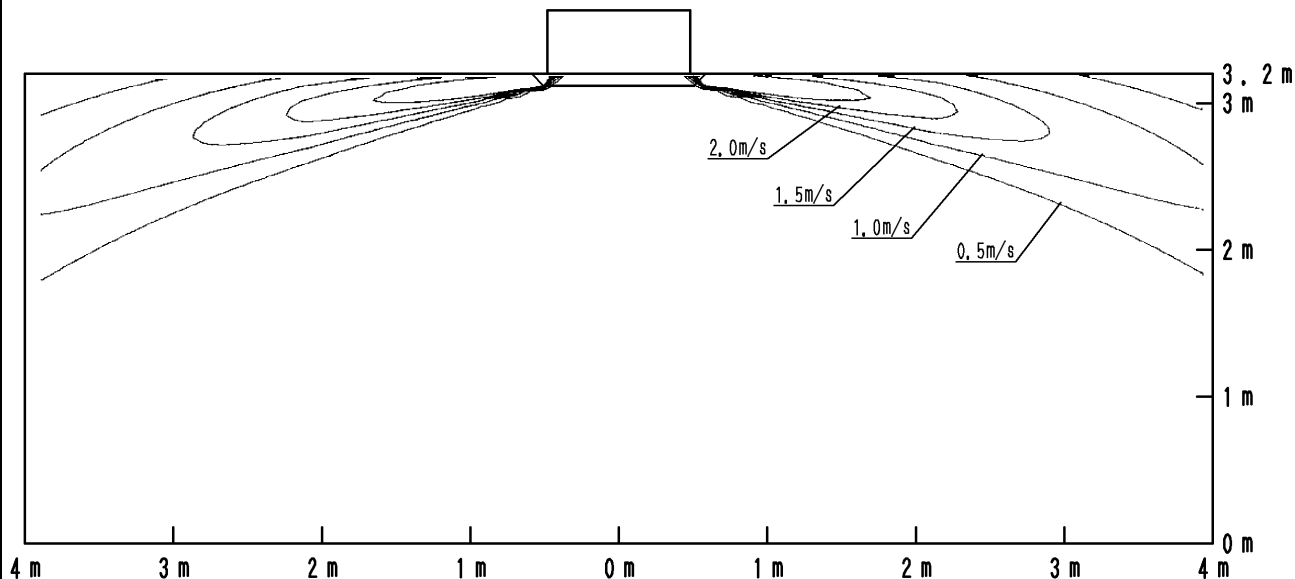
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FCQG100F

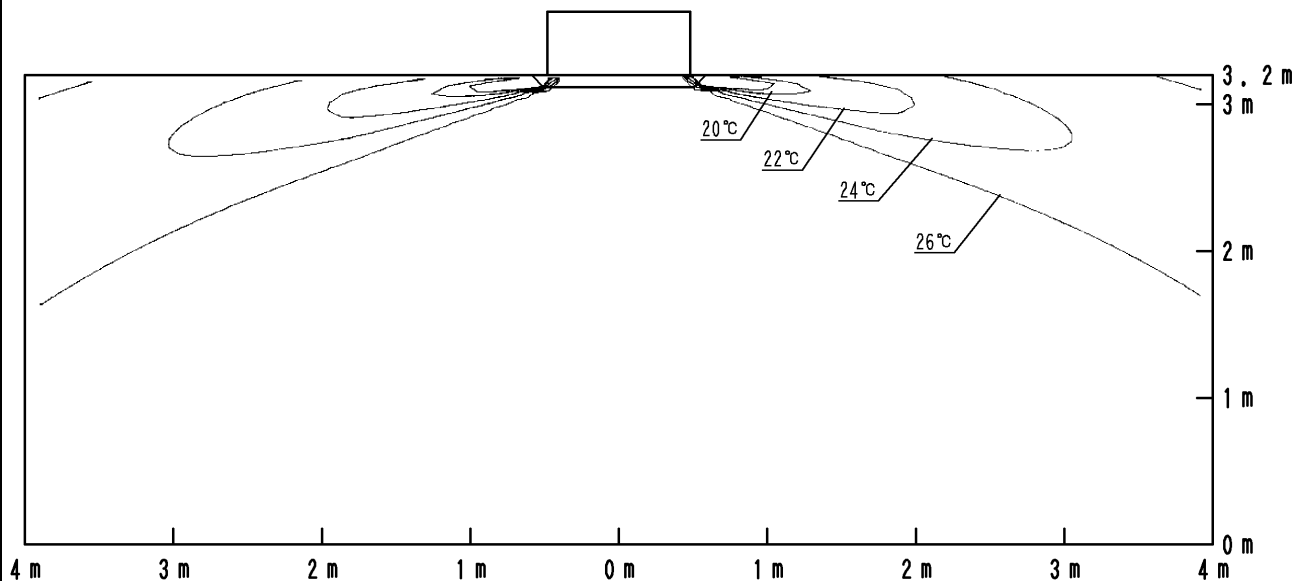
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077057A

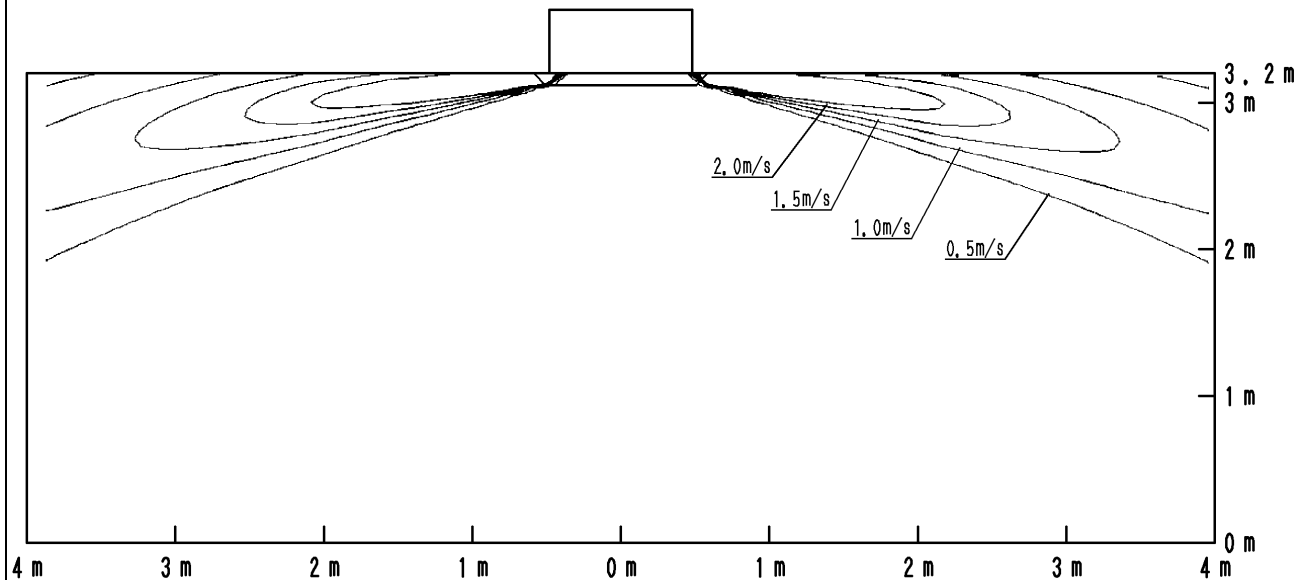
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FCQG125F

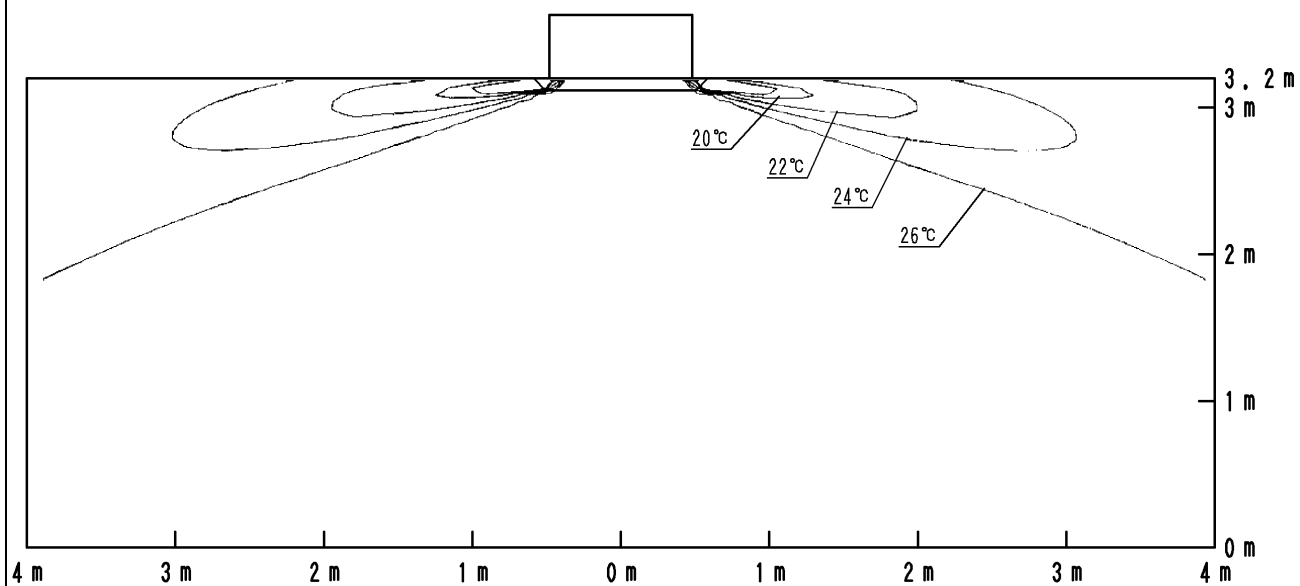
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077058A

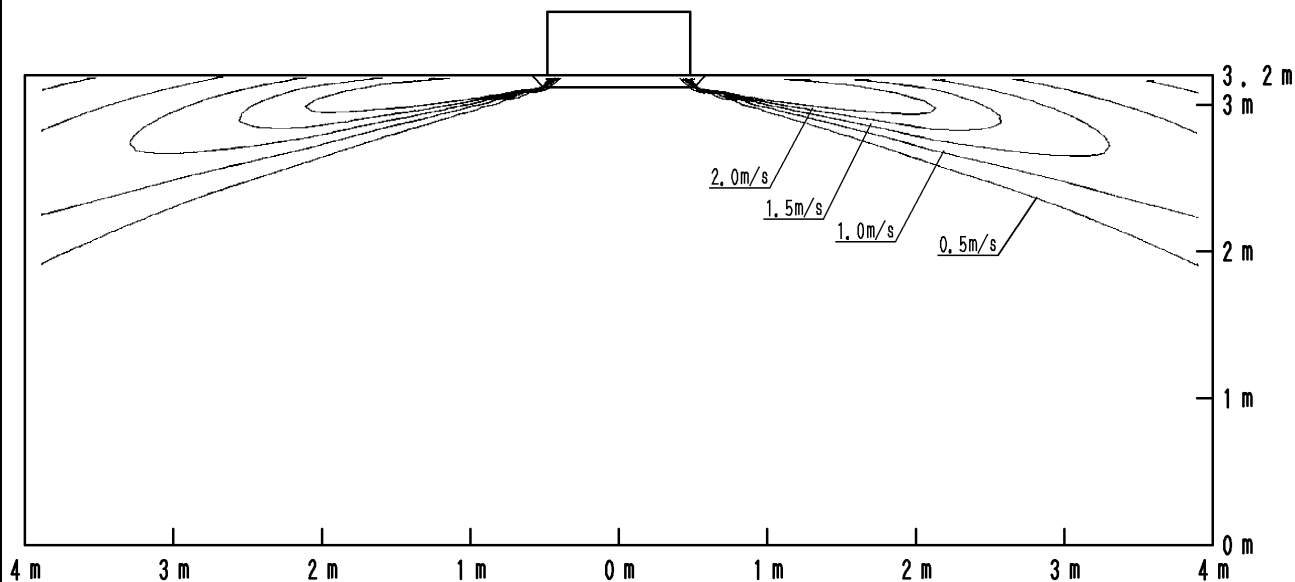
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FCQG140F

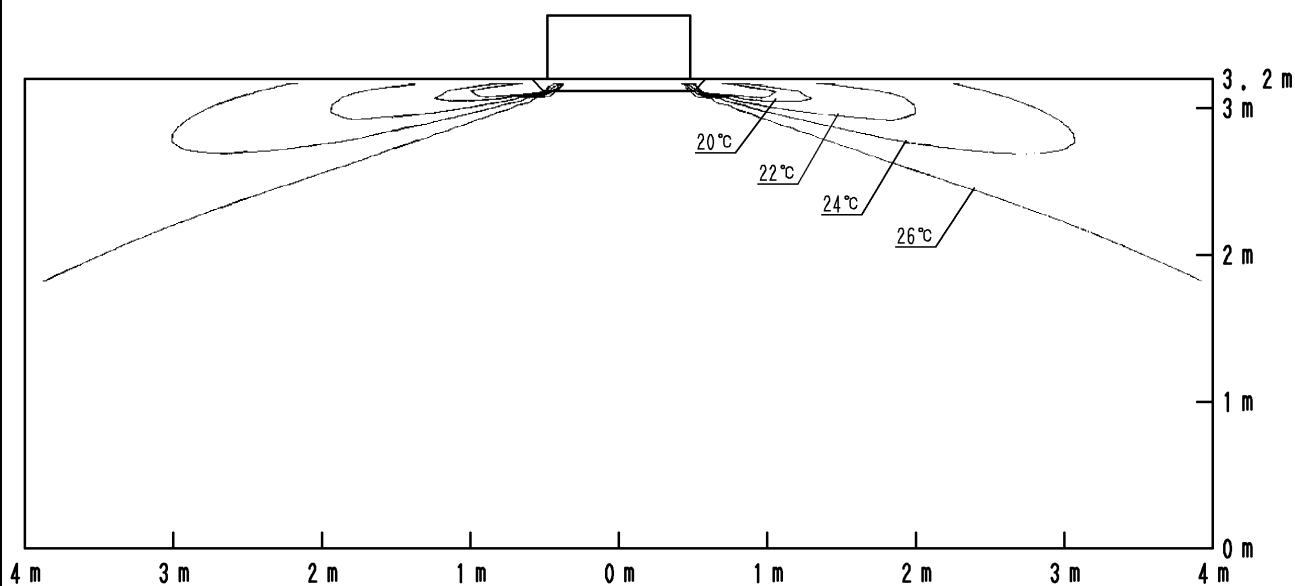
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077059

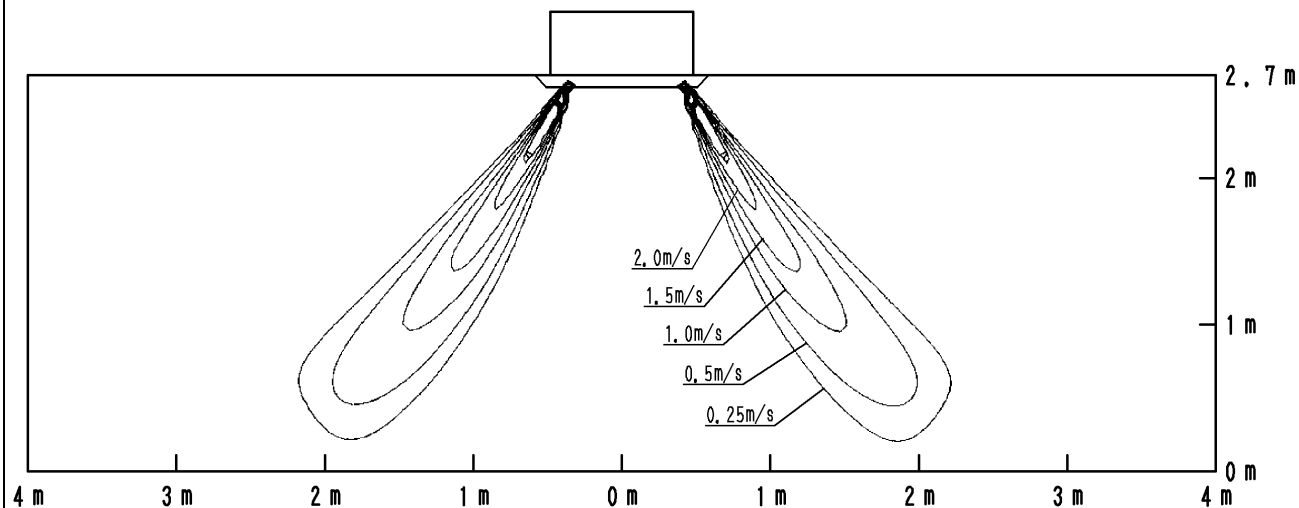
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FCQG35F

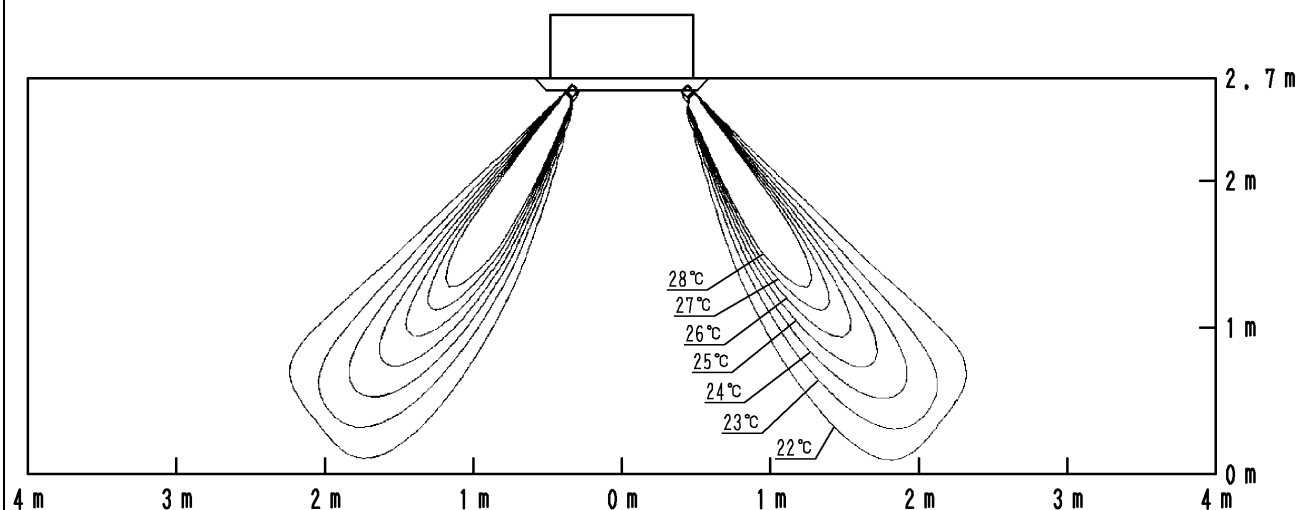
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077042A

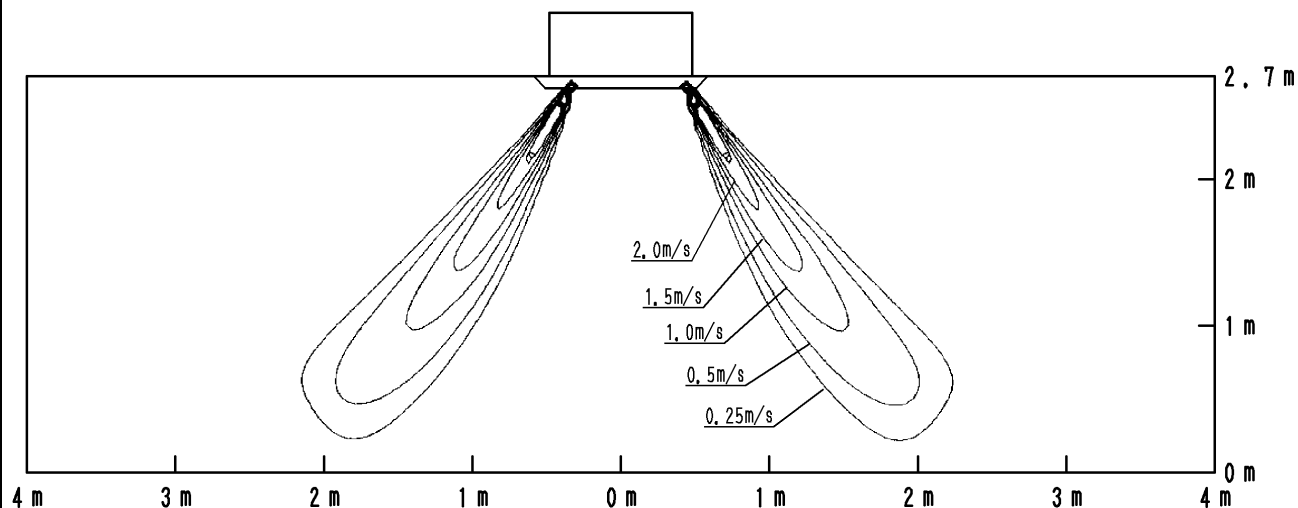
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FCQG50F

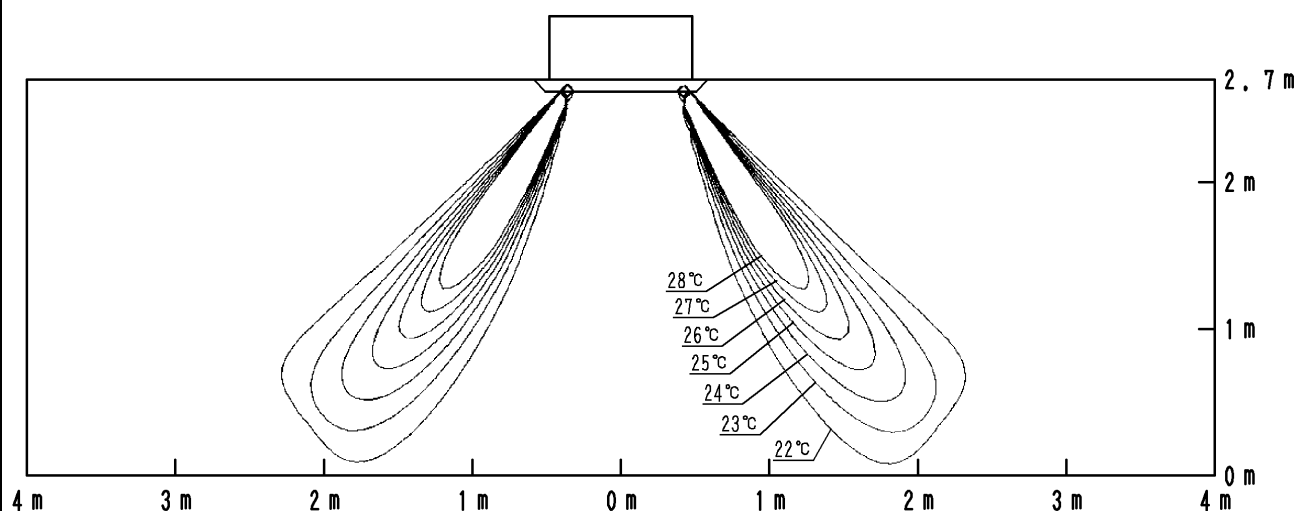
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077043

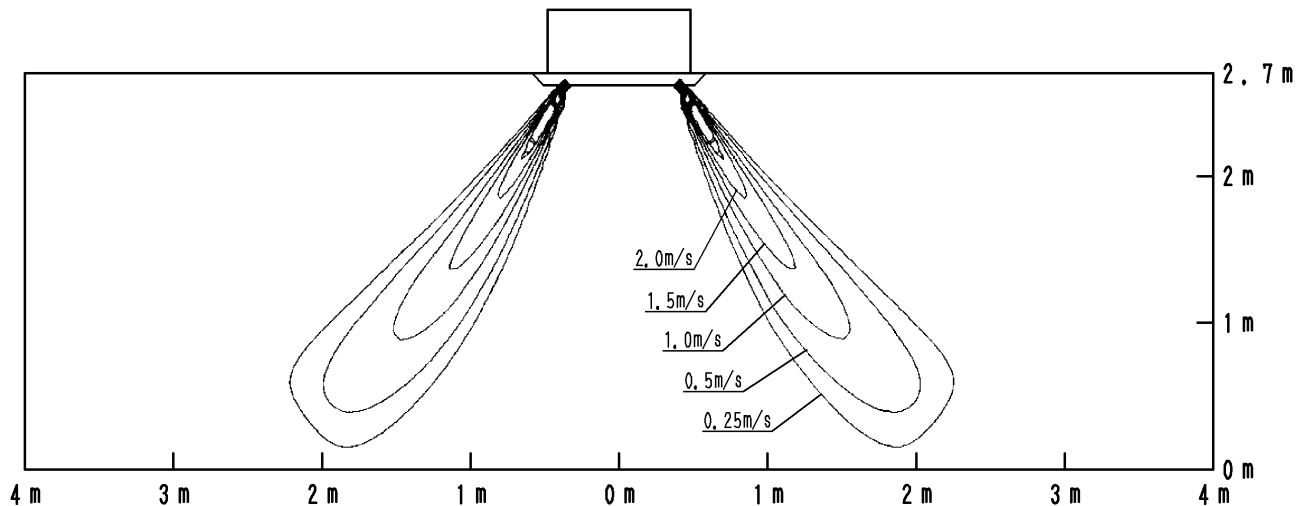
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FCQG60F

Heating air velocity distribution

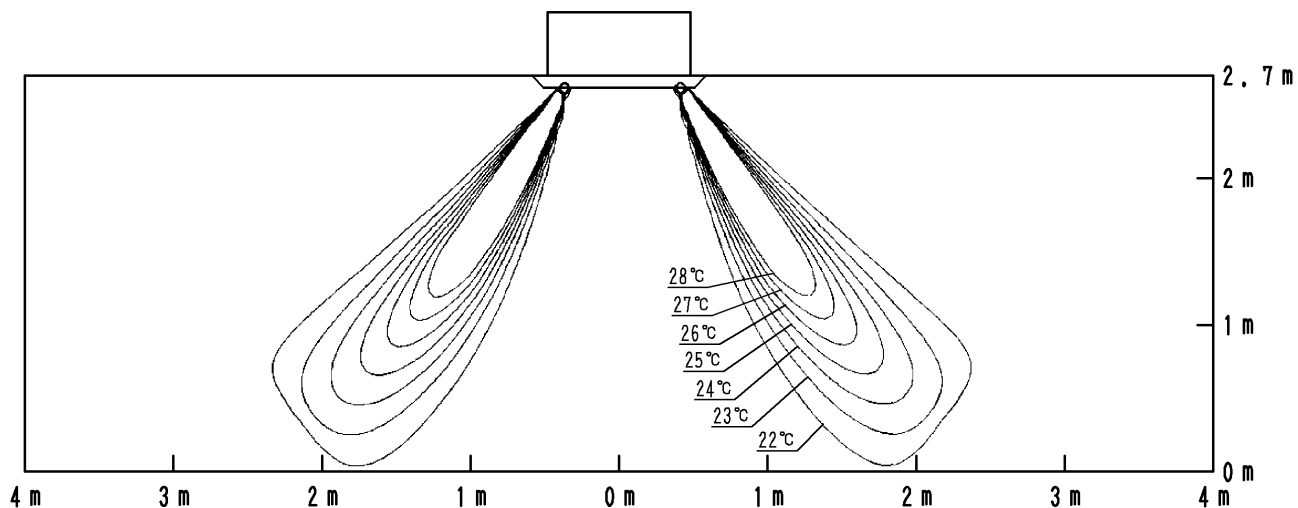
All round air discharge, air flow direction: horizontal



12

Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077044A

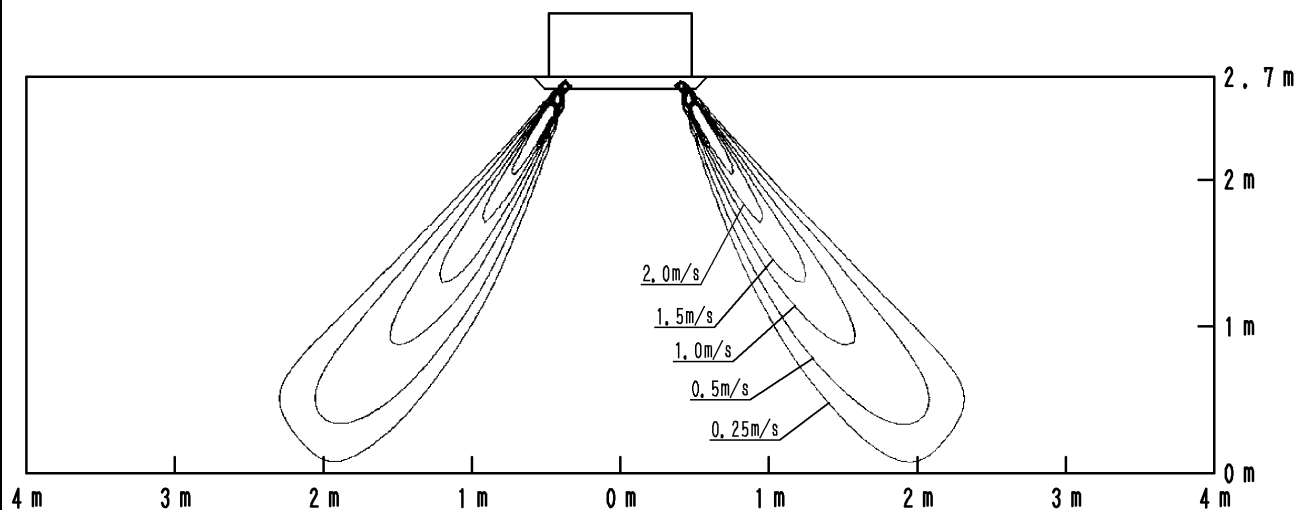
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FCQG71F

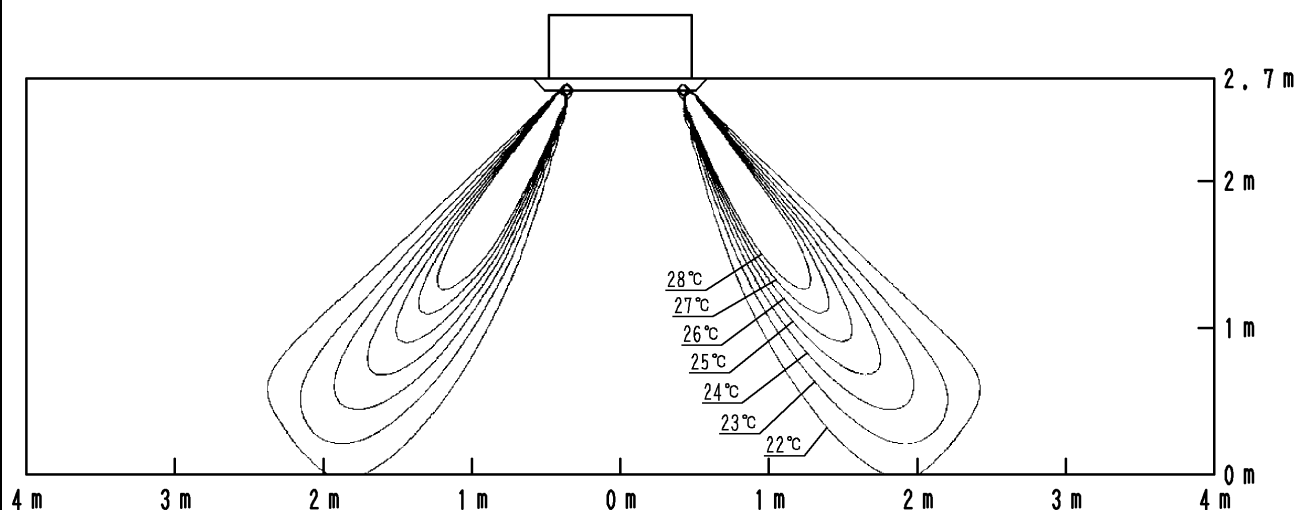
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077045A

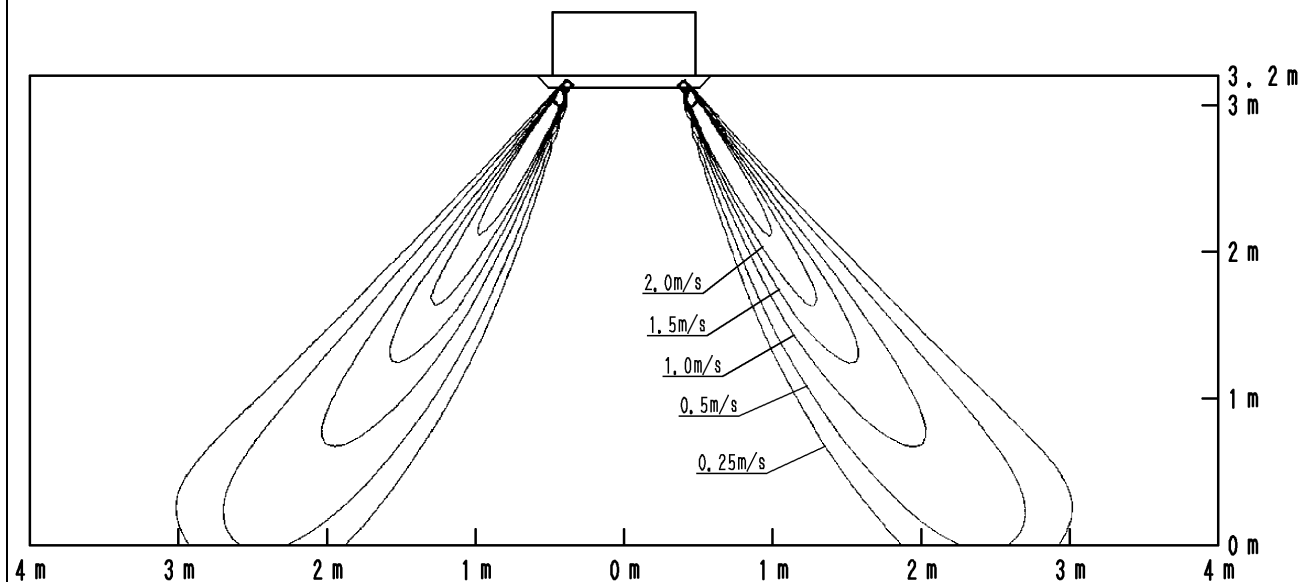
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FCQG100F

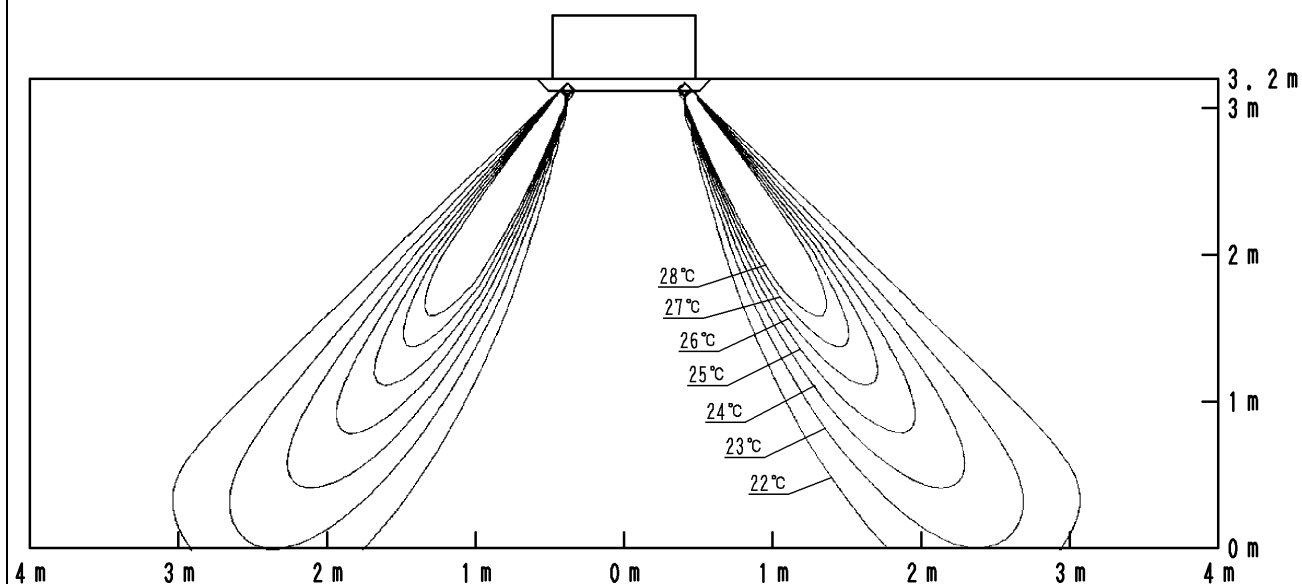
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077046A

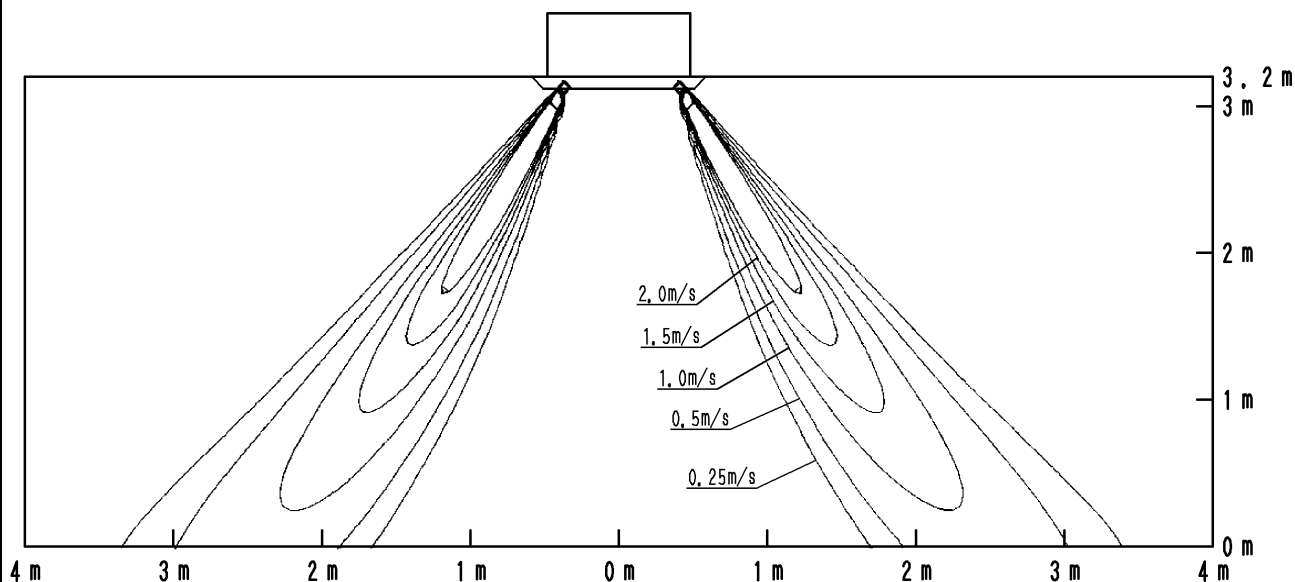
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FCQG125F

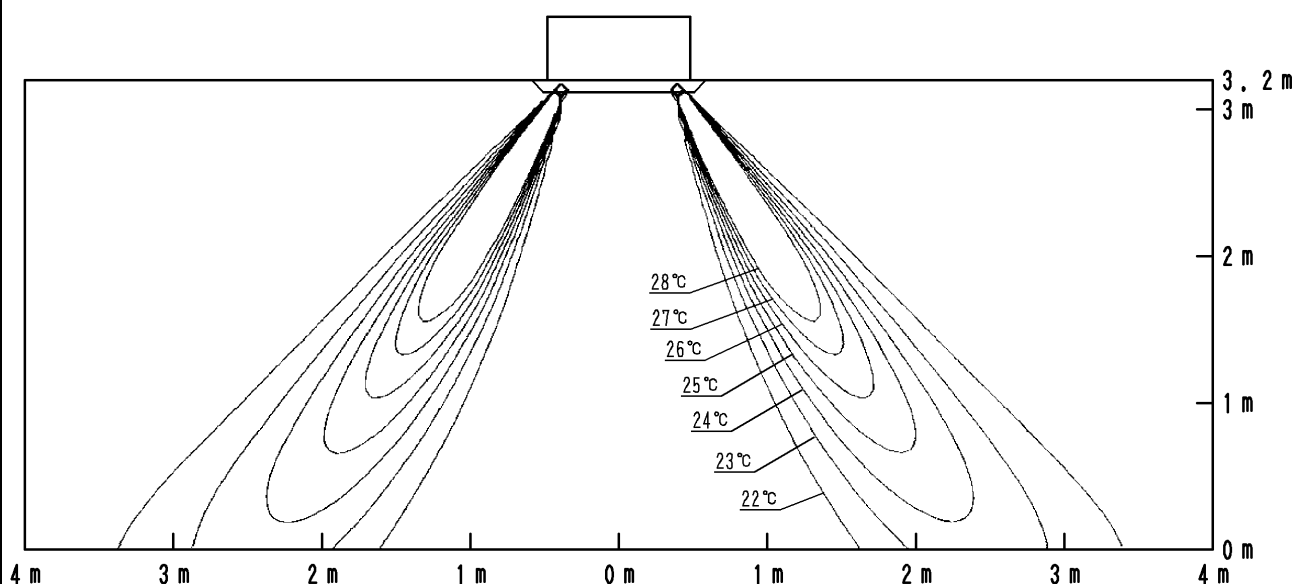
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077047A

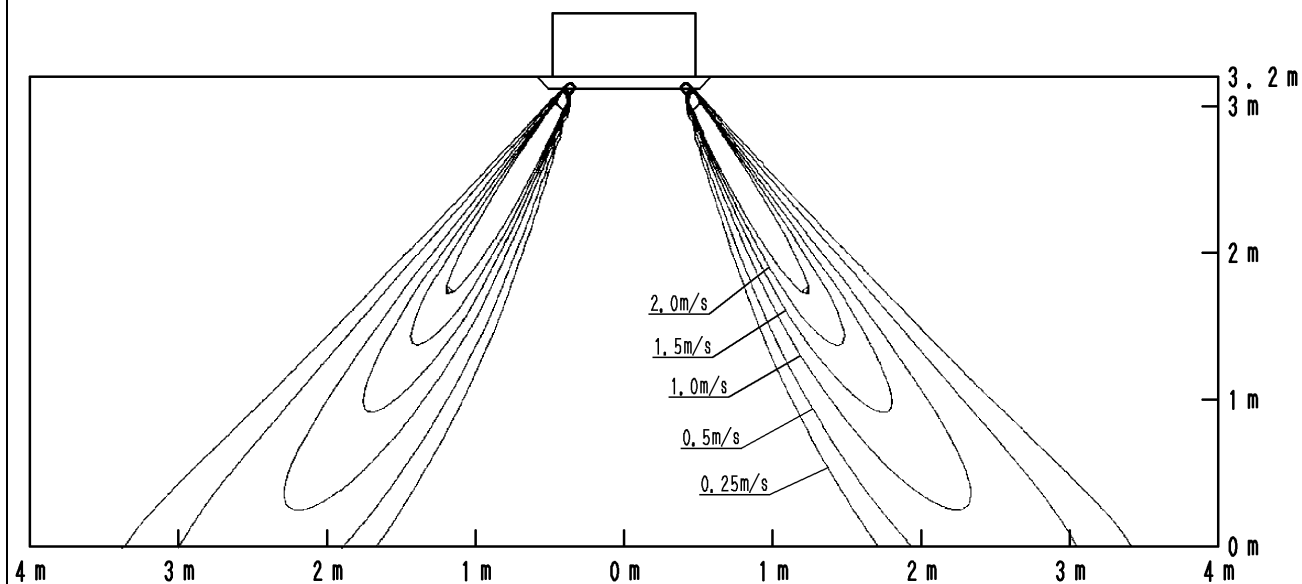
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FCQG140F

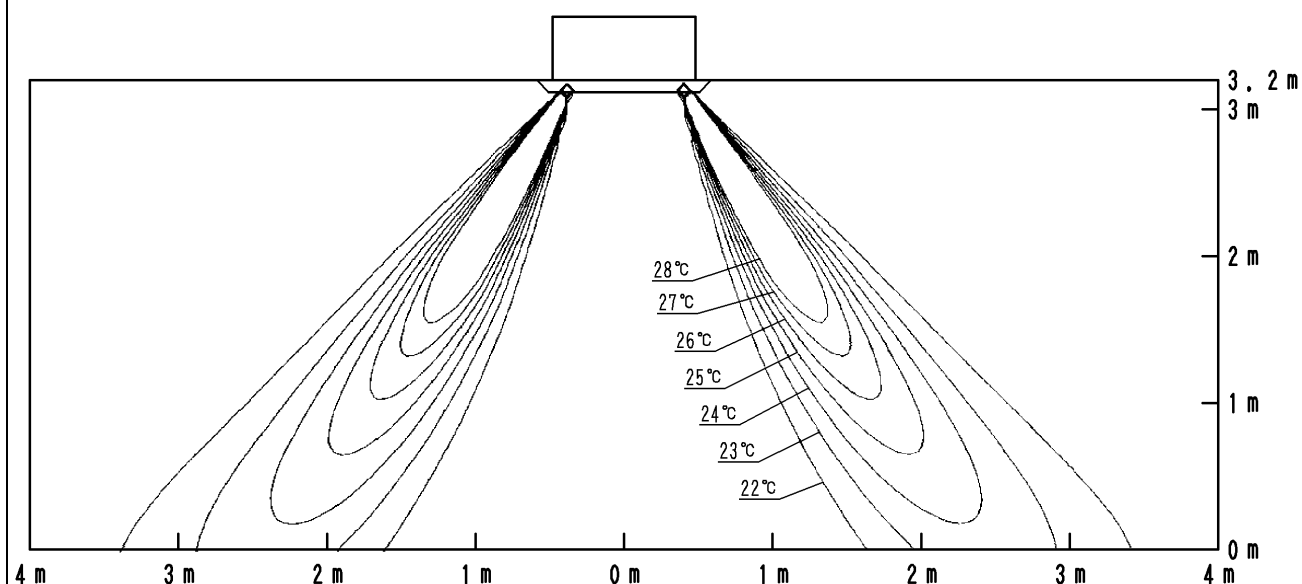
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077048



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