



Air Conditioning Technical Data

Round flow cassette



EEDEN14-204

FXFQ-A

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FXFQ-A

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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 set point with standard 1°C if no one is detected in the room, it is possible to adjust the set point with 2, 3 or 4°C (optional). It also automatically directs air flow away from any person to avoid draught.
- 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
- Low energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Fresh air intake: up to 20 %
- Low installation height: 214mm for class 20-63
- Standard drain pump with 850mm lift



 INVERTER								
Inverter	Presence & floor sensor	Home leave operation	Fan only	Auto-cleaning filter	Draught prevention	Auto cooling-heating changeover	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	Multi tenant	Drain pump kit					

2 Specifications

2-1 Technical Specifications				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A	
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	
Power input - 60Hz	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	
Casing	Material			Galvanised steel plate									
Dimensions	Unit	Height	mm	204					246		288		
		Width	mm	840									
		Depth	mm	840									
	Packed unit	Height	mm	220					260		300		
		Width	mm	880									
		Depth	mm	880									
Weight	Unit		kg	19		20	21		24	26			
	Packed unit		kg	23		24	26		29	31			
Decoration panel	Model			BYCQ140D7W1									
	Colour			Pure White (RAL 9010)									
	Dimensions	Height	mm	60									
		Width	mm	950									
		Depth	mm	950									
	Weight		kg	5.4									
Decoration panel 2	Model			BYCQ140D7W1W									
	Colour			Pure White (RAL 9010)									
	Dimensions	Height	mm	60									
		Width	mm	950									
		Depth	mm	950									
	Weight		kg	5.4									
Decoration panel 3	Model			BYCQ140D7GW1									
	Colour			Pure White (RAL 9010)									
	Dimensions	Height	mm	145									
		Width	mm	950									
		Depth	mm	950									
	Weight		kg	10.3									
Heat exchanger	Type			Cross fin coil (multi slit fins and HI-XA tubes)									
	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	17			
	Face area		m ²	0.278		0.366	0.371		0.464	0.556			
	Stages	Quantity		9		12			15		18		
	Empty tubeplate hole	Quantity		0									
	Fan	Type			Turbo fan								
		Quantity			1								
Air flow rate - 50Hz		Cooling	High	m ³ /min	12.5			13.6	15.0	16.5	22.8	26.5	33.0
			Nom.	m ³ /min	10.6			11.6	12.8	13.5	17.6	19.5	26.5
			Low	m ³ /min	8.8			9.5	10.5		12.4		19.9
		Heating	High	m ³ /min	12.5			13.6	15.0	16.5	22.8	26.5	33.0
			Nom.	m ³ /min	10.6			11.6	12.8	13.5	17.6	19.5	26.5
	Low		m ³ /min	8.8			9.5	10.5		12.4		19.9	
Fan motor	Model			QTS48D11M					QTS48C15M				
	Speed	Steps		3									
	Output	High	W	48									
Sound power level	Cooling	High	dBA	49			51	53	55	60	61		

2 Specifications

2

2-1 Technical Specifications				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100 A	FXFQ125 A
Sound pressure level	Cooling	High	dBA	31			33		35	38	43	45
		Nom.	dBA	29			31		33	34	37	41
		Low	dBA	28			29		30			36
	Heating	High	dBA	31			33		35	38	43	45
		Nom.	dBA	29			31		33	34	37	41
		Low	dBA	28			29		30			36
Refrigerant	Type	R-410A										
Piping connections	Liquid	Type	Flare connection									
		OD	mm	6.35					9.52			
	Gas	Type	Flare connection									
		OD	mm	12.7					15.9			
	Drain	VP25 (O.D. 32 / I.D. 25)										
	Heat insulation	Foamed polystyrene / Foamed polyethylene										
Sound absorbing insulation	Foamed Polyurethane											
Air filter	Type	Resin net with mold resistance										

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Sealing pads; Quantity : 4;

Standard Accessories : Drain sealing pad; Quantity : 1;

Standard Accessories : Clamps; Quantity : 1;

Standard Accessories : Installation guide; Quantity : 1;

Standard Accessories : Insulation for fitting; Quantity : 2;

Standard Accessories : Screws; Quantity : 1;

Standard Accessories : Washer for hanger bracket; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Drain hose; Quantity : 1;

Standard Accessories : Clamp for drain hose; Quantity : 1;

2-2 Electrical Specifications				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100 A	FXFQ125 A
Power supply	Phase	1~										
	Frequency	Hz	50/60									
	Voltage	V	220-240/220									
Voltage range	Min.	%	-10									
	Max.	%	10									
Current - 50Hz	Minimum circuit amps (MCA)	A	0.3			0.4		0.6	0.8	1.3		
	Maximum fuse amps (MFA)	A	16									
	Full load amps (FLA)	Total	A	0.2			0.3		0.5	0.6	1.0	
Current - 60Hz	Minimum circuit amps (MCA)	A	0.3			0.4		0.6	0.8	1.3		
	Maximum fuse amps (MFA)	A	16									
	Full load amps (FLA)	Total	A	0.2			0.3		0.5	0.6	1.0	

Notes

(1) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB

(2) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB

(3) 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.

(4) The sound power level is an absolute value indicating the power which a sound source generates.

(5) Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(6) Maximum allowable voltage range variation between phases is 2%.

(7) MCA/MFA: $MCA = 1.25 \times FLA$

(8) $MFA \leq 4 \times FLA$

(9) Next lower standard fuse rating minimum 16A

(10) Select wire size based on the value of MCA

(11) Instead of a fuse, use a circuit breaker

(12) 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

FXFQ-A

MODEL	UNITS			Power supply		IFM FLA	INPUT (W)	
	Hz	Volts	Voltage range	MCA	MFA		COOLING	HEATING
FXFQ20A	50	220 - 240	Max. 264 Min. 198	0.3	16	0.2	38	35
FXFQ25A		220 - 240		0.3	16	0.2	38	35
FXFQ32A		220 - 240		0.3	16	0.2	38	35
FXFQ40A		220 - 240		0.3	16	0.2	38	35
FXFQ50A		220 - 240		0.4	16	0.3	53	50
FXFQ63A		220 - 240		0.4	16	0.3	61	58
FXFQ80A		220 - 240		0.6	16	0.5	92	89
FXFQ100A		220 - 240		0.8	16	0.6	115	112
FXFQ125A		220 - 240		1.3	16	1.0	186	183
FXFQ20A		60		220	Max. 242 Min. 198	0.3	16	0.2
FXFQ25A	220		0.3	16		0.2	38	35
FXFQ32A	220		0.3	16		0.2	38	35
FXFQ40A	220		0.3	16		0.2	38	35
FXFQ50A	220		0.4	16		0.3	53	50
FXFQ63A	220		0.4	16		0.3	61	58
FXFQ80A	220		0.6	16		0.5	92	89
FXFQ100A	220		0.8	16		0.6	115	112
FXFQ125A	220		1.3	16		1.0	186	183

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NOTES

- 1 Voltage range
Units are suitable for use on electrical systems where the voltage supplied to the unit terminals is not below or above the listed range limits.
- 2 Maximum allowable voltage unbalance between phases is 2%.
- 3 MCA/MFA
MCA = 1.25 x FLA
MFA ≤ 4 x FLA
(next lower standard fuse rating min. 16A)
- 4 Select wire size based on the MCA.
- 5 Instead of fuse, use circuit breaker.

SYMBOLS

- MCA : Min. Circuit Amps. (A)
 MFA : Max. Fuse Amps (See note 5)
 IFM : Indoor Fan Motor.
 FLA : Full Load Amps. (A)

4 Safety device settings

4 - 1 Safety Device Settings

FXFQ-A

Safety devices		FXFQ20~125A
Fuse		250V 3.15A (ON PCB BOARD)
Fan motor thermal fuse	°C	---
Fan motor thermal protector	°C	---
Drain pump fuse	°C	---

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5 Options

5 - 1 Options

FXFQ-A

OPTIONS

Item		Model		FXFQ20-125A
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	(Chamber) KDDQ558140-1 *7, *8 (diffuser from chamber to duct) KDDQ558140-2 *7, *8
4	Sealing member of air discharge outlet			KDBHQ558140 *7
5	Sensor kit			BRYQ140A7

CONTROL SYSTEM

Item		Model		FXFQ20-125A
1	Remote controller	Infrared	H/P	BRC7FA532F *7 BRC1D528 *4 BRC1E51A *4 BRC1E52A / BRC1E52B
		Wired		KRP1BA57 *2 *7 KRP4A453 *2 *7 EKRP1C11 *2 *7
2-1	Wiring adapter for electrical appendices (1)			KRCS01-4B
2-2	Wiring adapter for electrical appendices (2)			KRP1H88 *7
2-3	Wiring adapter (hour meter)			DCS302CA51
3	Remote sensor			DCS301BA51
4	Installation box for adapter PCB			KB212AA
5	Central remote controller			KB311AA
6	Unified ON/OFF controller			DST301BA51
7	Electrical box with earth terminal (2 blocks)			DTA114A61
8	Electrical box with earth terminal (3 blocks)			DSC601C51
9	Schedule timer			
10	Option PCB for Multi tenant			
11	I-touch controller			

- *1 All options are supplied as kit.
- *2 Installation box is necessary for these adaptors.
- *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.
- *8 Both parts of the fresh air intake are needed for each unit.

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXFQ-A

Cooling Capacity

TC: Total capacity; kW
SHC: Sensible heat capacity; kW

Unit size	Indoor air temp.													
	14.0 °CWB		16.0 °CWB		18.0 °CWB		19.0 °CWB		20.0 °CWB		22.0 °CWB		24.0 °CWB	
	20.0 °CDB		23.0 °CDB		26.0 °CDB		27.0 °CDB		28.0 °CDB		30.0 °CDB		32.0 °CDB	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.7	2.4	1.7
25	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.0	2.1	3.1	2.0
32	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.8	3.9	2.7	4.0	2.6
40	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.7	3.5	4.9	3.0	5.0	3.1
50	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	3.7	6.2	3.8
63	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.2	5.1	7.4	4.8	7.5	4.6
80	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.5	6.6	9.7	6.4	9.9	6.1
100	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.8	7.9	12.1	7.6	12.3	7.3
125	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.8	9.8	15.1	9.5	15.4	9.1

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NOTES - OPMERKINGEN - REMARQUES - ANMERKUNGEN - NOTAS - NOTE - ΣΗΜΕΙΩΣΕΙΣ - NOTLAR - ПРИМЕЧАНИЯ

- This table is for the selection of indoor equipment.
 - Deze tabel is bedoeld voor het kiezen van de binneneenheid.
 - Ce tableau concerne la sélection de l'équipement intérieur.
 - Diese Tabelle ist für die Auswahl der Innenanlagen.
 - Esta tabla es para seleccionar el equipo interior.
 - Usare questa tabella per la selezione delle apparecchiature interne.
 - Αυτός ο πίνακας προορίζεται για την επιλογή εσωτερικού εξοπλισμού.
 - Bu tablo iç ünite ekipmanlarının seçimine yöneliktir.
 - Эта таблица предназначена для выбора устанавливаемого в помещении оборудования.
- In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
 - Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binneneenheid afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
 - Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
 - Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
 - En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
 - Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
 - Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
 - Sistem seçiminin sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipman için gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
 - В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении оборудования будут отличаться от указанных в таблице вследствие изменения температуры воздуха снаружи и показателя нагрузки.
- In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
 - Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
 - Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
 - Verwenden Sie in diesem Fall die Fähigkeit für die ausgewählte Innenanlage und korrigieren Sie das Verhältnis der Änderung in der Fähigkeit.
 - En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
 - In questo caso, usare la tabella delle capacità per le apparecchiature interne selezionate ed apportare le modifiche del caso in base alla percentuale di cambiamento di capacità.
 - Σε αυτή την περίπτωση χρησιμοποιήστε τον πίνακα δυνατοτήτων για τον επιλεγμένο εσωτερικό εξοπλισμό και διορθώστε για την αναλογία αλλαγής στη δυνατότητα.
 - Bu durumda, seçilen iç ekipman için kapasite tablosunu kullanın ve kapasitedeki değişim oranına göre düzeltme yapın.
 - В этом случае используйте таблицу характеристик выбранного устанавливаемого в помещении оборудования и внесите необходимую поправку на их изменение.

6 Capacity tables

6 - 2 Heating Capacity Tables

FXFQ-A

Heating Capacity

Unit size	Indoor air temp. °CDB					
	16.0	18.0	20.0	21.0	22.0	24.0
	kW	kW	kW	kW	kW	kW
20	2.6	2.6	2.5	2.4	2.3	2.2
25	3.4	3.4	3.2	3.1	3.0	2.8
32	4.2	4.2	4.0	3.9	3.7	3.5
40	5.2	5.2	5.0	4.8	4.7	4.4
50	6.6	6.6	6.3	6.1	5.9	5.5
63	8.4	8.4	8.0	7.7	7.5	7.0
80	10.5	10.5	10.0	9.7	9.4	8.7
100	13.1	13.1	12.5	12.1	11.7	10.9
125	16.8	16.8	16.0	15.5	15.0	13.9

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NOTES - OPMERKINGEN - REMARQUES - ANMERKUNGEN - NOTAS - NOTE - ΣΗΜΕΙΩΣΕΙΣ - NOTLAR - ПРИМЕЧАНИЯ

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 - Usare questa tabella per la selezione delle apparecchiature interne.
 - Αυτός ο πίνακας προορίζεται για την επιλογή εσωτερικού εξοπλισμού.
 - Bu tablo iç ünite ekipmanlarının seçimine yöneliktir.
 - Эта таблица предназначена для выбора устанавливаемого в помещении оборудования.
- In the event that conditions differ due to the design requirements after system selection, actual operating ability of the indoor equipment will differ from that noted in the table because of changes in the outdoor air temperature and load factor.
 - Als nadat u het systeem hebt gekozen de voorwaarden afwijken van de ontwerpvereisten, dan zal het reële bedrijfsvermogen van de binnenunit afwijken van de in de tabel vermelde gegevens, wegens de afwijkende buitenluchttemperatuur en de belastingsfactor.
 - Si les exigences de conception après la sélection du système entraînent une modification des conditions, les capacités opérationnelles réelles de l'équipement intérieur diffèrent de celles indiquées dans le tableau en raison de la modification de la température de l'air extérieure et du facteur de charge.
 - Falls Bedingungen aufgrund der Konstruktionsanforderungen nach der Systemauswahl abweichen, dann weicht aufgrund der Änderungen der Außenlufttemperatur und des Lastfaktors die tatsächliche Betriebsfähigkeit der Innenanlage von der in der Tabelle aufgeführten ab.
 - En caso de que las condiciones difieran debido a los requisitos de diseño tras seleccionar el sistema, la capacidad de funcionamiento real del equipo interior diferirá de la que se muestra en la tabla debido a los cambios de la temperatura de aire exterior y al factor de carga.
 - Nel caso in cui intervenissero dei cambiamenti nelle condizioni dovuti a requisiti di progettazione successivi alla selezione del sistema, la capacità operativa effettiva delle apparecchiature interne sarà diversa da quella indicata in tabella a causa della diversa temperatura dell'aria esterna e del fattore di carico.
 - Στην περίπτωση που οι συνθήκες διαφέρουν λόγω των απαιτήσεων σχεδιασμού μετά την επιλογή συστήματος, η πραγματική δυνατότητα του εσωτερικού εξοπλισμού θα διαφέρει από την αναφερόμενη στον πίνακα, λόγω των αλλαγών στην εξωτερική θερμοκρασία αέρα και στο συντελεστή φορτίου.
 - Sistem seçiminin sonra tasarım gerekleri nedeniyle koşulların değişmesi durumunda, dış hava sıcaklığı ve yük faktöründeki değişiklikler nedeniyle iç ekipmanın gerçek çalışma kapasitesi tabloda belirtilenden farklı olacaktır.
 - В случае, если реальные условия отличаются от проектных условий работы, используемых при выборе системы, фактические характеристики устанавливаемого в помещении оборудования будут отличаться от указанных в таблице вследствие изменения температуры воздуха снаружи и показателя нагрузки.
- In this case, use the ability table for the indoor equipment selected and correct for the ratio of change in ability.
 - Gebruik in dat geval de vermogenstabel van de gekozen binneninstallatie en kies het juiste vermogen.
 - Le cas échéant, utiliser le tableau de capacité de l'équipement intérieur sélectionner et corriger le rapport de modification de capacité.
 - Verwenden Sie in diesem Fall die Fähigkeit für die ausgewählte Innenanlage und korrigieren Sie das Verhältnis der Änderung in der Fähigkeit.
 - En este caso, utilice la tabla de capacidades del equipo interior seleccionado y corrija la relación de cambio en capacidad.
 - In questo caso, usare la tabella delle capacità per le apparecchiature interne selezionate ed apportare le modifiche del caso in base alla percentuale di cambiamento di capacità.
 - Σε αυτή την περίπτωση χρησιμοποιήστε τον πίνακα δυνατοτήτων για τον επιλεγμένο εσωτερικό εξοπλισμό και διορθώστε για την αναλογία αλλαγής στη δυνατότητα.
 - Bu durumda, seçilen iç ekipman için kapasite tablosunu kullanın ve kapasitedeki değişim oranına göre düzeltilme yapın.
 - В этом случае используйте таблицу характеристик выбранного устанавливаемого в помещении оборудования и внесите необходимую поправку на их изменение.

6 Capacity tables

6 - 3 Capacity Correction Factor

FXFQ-A

	Indoor air temperature	Capacity correction factor Te = 9°C						
		14.0 °CWB	16.0 °CWB	18.0 °CWB	19.0 °CWB	20.0 °CWB	22.0 °CWB	24.0 °CWB
		20.0 °CDB	23.0 °CDB	26.0 °CDB	27.0 °CDB	28.0 °CDB	30.0 °CDB	32.0 °CDB
FXFQ20A	TC	0.696	0.741	0.794	0.813	0.831	0.861	0.884
	SHF	1.156	1.151	1.107	1.091	1.077	1.053	1.037
FXFQ25A	TC	0.696	0.741	0.794	0.813	0.831	0.861	0.884
	SHF	1.156	1.151	1.107	1.091	1.077	1.053	1.037
FXFQ32A	TC	0.673	0.728	0.784	0.803	0.820	0.851	0.874
	SHF	1.175	1.155	1.107	1.091	1.077	1.052	1.036
FXFQ40A	TC	0.681	0.732	0.786	0.805	0.821	0.852	0.875
	SHF	1.165	1.152	1.106	1.090	1.077	1.053	1.036
FXFQ50A	TC	0.662	0.692	0.755	0.779	0.800	0.834	0.858
	SHF	1.173	1.183	1.121	1.096	1.079	1.054	1.035
FXFQ63A	TC	0.664	0.693	0.756	0.781	0.803	0.834	0.858
	SHF	1.168	1.182	1.121	1.095	1.078	1.054	1.035
FXFQ80A	TC	0.670	0.693	0.756	0.784	0.807	0.834	0.858
	SHF	1.154	1.181	1.120	1.093	1.075	1.055	1.036
FXFQ100A	TC	0.678	0.697	0.763	0.790	0.810	0.834	0.858
	SHF	1.140	1.174	1.115	1.089	1.073	1.060	1.048
FXFQ125A	TC	0.680	0.697	0.763	0.790	0.810	0.834	0.858
	SHF	1.136	1.175	1.115	1.089	1.072	1.061	1.049

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

How to use this table:

Capacity: Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.

SHF: SHF for High sensible mode = SHF for normal capacity table X SHF ratio.

In case of SHF is bigger than 1, SHF is "1"

When selecting units for mixed (RA DX indoor units + VRV DX indoor unit),

- Correction C_c corresponds with Te = 9°C TC ratio value for each type of Indoor unit, depending on indoor ambient design temperature X/Y °CDB/°CWB
- Correction C_s corresponds with Te = 9°C TC ratio value for each type of indoor unit, depending on indoor ambient temperature 29/19 °CDB/°CWB

So verwenden Sie diese Tabelle:

Leistung: Gesamtleistung (GL) für hochfühlbaren Leistungsmodus = Gesamtleistung für normale Leistungstabelle x GL-Verhältnis.

SHF: SHF für hochfühlbaren Leistungsmodus = SHF für normale Leistungstabelle x SHF-Verhältnis.

Für den Fall, dass SHF größer als 1 ist, wird SHF als "1" angenommen.

Bei Auswahl gemischter Geräte (RA DX-Innengerät + VRV DX-Innengerät),

- Korrektur C_c entspricht dem GL-Verhältniswert für Te = 9 °C für jeden Innengerätetyp, in Abhängigkeit von der Innen-Entwurfstemperatur X/Y °C TK/°C FK
- Korrektur C_s entspricht dem GL-Verhältniswert für Te = 9 °C für jeden Innengerätetyp, in Abhängigkeit von der Innentemperatur 29/19 °C TK/°C FK

Πως θα χρησιμοποιήσετε αυτό τον πίνακα:

Απόδοση: Συνολική απόδοση για λειτουργία υψηλής ευαισθησίας = Συνολική απόδοση για λόγο X TC πίνακα κανονικής απόδοσης.

SHF: SHF για λειτουργία υψηλής ευαισθησίας = SHF για λόγο X SHF πίνακα κανονικής απόδοσης.

Στην περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι "1"

Κατά την επιλογή μονάδων για συνδυασμό (εσωτερικές μονάδες RA DX + εσωτερική μονάδα VRV DX),

- Το C_c διόρθωσης αντιστοιχεί σε Te = 9°C TC τιμή λόγου για κάθε τύπο εσωτερικής μονάδας, ανάλογα με την εσωτερική θερμοκρασία σχεδίου περιβάλλοντος X/Y °CDB/°CWB
- Το C_s διόρθωσης αντιστοιχεί σε Te = 9°C TC τιμή λόγου για κάθε τύπο εσωτερικής μονάδας, ανάλογα με την εσωτερική θερμοκρασία περιβάλλοντος 29/19 °CDB/°CWB

Cómo utilizar esta tabla:

Capacidad: capacidad total para el modo sensible alto = capacidad total para relación TC de tabla X de capacidad normal.

SHF: SHF para modo sensible alto = SHF para relación SHF de tabla X de capacidad normal.

En caso de que SHF sea superior a 1, SHF es "1"

Si se seleccionan unidades combinadas (Unidades interiores DX RA + unidades interiores DX VRV),

- La corrección C_c corresponde a Te = 9°C valor de relación TC para cada tipo de unidad interior, en función de la temperatura de diseño ambiente interior X/Y °CDB/°CBH
- La corrección C_s corresponde a Te = 9°C valor de relación TC para cada tipo de unidad interior, en función de la temperatura ambiente interior 29/19 °CDB/°CBH

Comment utiliser ce tableau :

Puissance : Puissance totale pour le mode haute sensibilité = Puissance totale indiquée dans le tableau de puissance normale X rapport PT.

FCS : FCS pour le mode haute sensibilité =

FCS indiqué dans le tableau de puissance normale X rapport FCS.

Si le FCS est supérieur à 1, le FCS correspond à « 1 »

Lors de la sélection d'unités pour une installation mixte (unités intérieures DX RA + unité intérieure DX VRV),

- La correction C_c correspond à Te = 9 °C / valeur de rapport PT pour chaque type d'unité intérieure, pour une température ambiante intérieure de calcul de X/Y °CDB/°CBH
- La correction C_s correspond à Te = 9 °C / valeur de rapport PT pour chaque type d'unité intérieure, pour une température ambiante intérieure de 29/19 °CDB/°CBH

Come utilizzare questa tabella

Capacità: Capacità totale per modalità ad alta capacità sensibile = Capacità totale per tabella capacità normali X rapporto TC.

SHF: SHF per modalità ad alta capacità sensibile = SHF per tabella capacità normali X rapporto SHF.

Qualora il valore SHF sia maggiore di 1, SHF è "1"

Quando si selezionano unità combinate (unità interna ad espansione diretta RA+ unità interna ad espansione diretta VRV),

- La correzione C_c corrisponde a Te = 9°C valore rapporto TC per ogni tipo di unità interna, in base alla temperatura interna di progetto X/Y °CDB/°CDBU
- La correzione C_s corrisponde a Te = 9°C valore rapporto TC per ogni tipo di unità interna, in base alla temperatura interna di progetto 29/19 °CDB/°CDBU

Hoe deze tabel gebruiken:

Vermogen: totaal vermogen voor High Sensible-modus = totaal vermogen voor tabel normaal vermogen x ratio TV.

SHF: SHF voor High Sensible-modus = SHF voor tabel normaal vermogen x ratio SHF.

Indien SHF groter is dan 1, is SHF "1"

Bij het selecteren van units voor gemengd gebruik (RA DX-binnenunits + VRV DX-binnenunits),

- Correctie C_c komt overeen met ratiowaarde Te = 9°C TC voor elk type binnenunit, afhankelijk van de ontwerp-temperatuur van de binnenunit X/Y °CDB/°CDB
- Correctie C_s komt overeen met ratiowaarde Te = 9°C TC voor elk type binnenunit, afhankelijk van de omgevingstemperatuur van de binnenunit 29/19 °CDB/°CDB

Как пользоваться этой таблицей:

Производительность: Суммарная мощность для режима высокой производительности по сухому теплу = Суммарная мощность по таблице обычной мощности X коэффициент TC.

SHF: SHF для режима высокой производительности по сухому теплу =

SHF по таблице обычной мощности X коэффициент SHF.

Если SHF больше 1, принять SHF равным 1

При выборе блоков для смешанных установок (внутренние блоки RA DX + внутренние блоки VRV DX):

- Корректировка C_c соответствует значению коэффициента TC Te = 9°C для каждого типа внутренних блоков, в зависимости от расчетной температуры в помещении X/Y °C сух.т./°C вл.т.
- Корректировка C_s соответствует значению коэффициента TC Te = 9°C для каждого типа внутренних блоков, в зависимости от температуры в помещении 29/19 °C сух.т./°C вл.т.

Bu tablo nasıl kullanılır:

Kapasite: Yüksek hassasiyet modu toplam kapasitesi = Normal kapasite tablosu için toplam kapasite X TC oranı.

SHF: Yüksek hassasiyet modu için SHF = Normal kapasite tablosu için SHF X SHF oranı.

SHF, 1'den büyük ise SHF "1"dir

Karışık kombinasyonlar (RA DX iç üniteler + VRV DX iç üniteler) için ünite seçimi yapılırken,

- C_c düzeltme faktörü, X/Y °C KT/°C YT iç ortam tasarım basıncına bağlı olarak her bir iç ünite tipi için Te = 9°C TC oranına karşılık gelir
- C_s düzeltme faktörü, 29/19 °C KT/°C YT iç ortam tasarım basıncına bağlı olarak her bir iç ünite tipi için Te = 9°C TC oranına karşılık gelir

6 Capacity tables

6 - 3 Capacity Correction Factor

FXFQ-A

		Capacity correction factor Te = 11 °C						
		14.0 °CWB 20.0 °CDB	16.0 °CWB 23.0 °CDB	18.0 °CWB 26.0 °CDB	19.0 °CWB 27.0 °CDB	20.0 °CWB 28.0 °CDB	22.0 °CWB 30.0 °CDB	24.0 °CWB 32.0 °CDB
FXFQ20A	TC	0.567	0.597	0.641	0.676	0.705	0.756	0.796
	SHF	1.156	1.237	1.238	1.193	1.161	1.111	1.077
FXFQ25A	TC	0.567	0.597	0.641	0.676	0.705	0.756	0.796
	SHF	1.156	1.237	1.238	1.193	1.161	1.111	1.077
FXFQ32A	TC	0.544	0.572	0.627	0.661	0.691	0.740	0.781
	SHF	1.175	1.261	1.241	1.194	1.160	1.111	1.075
FXFQ40A	TC	0.551	0.580	0.630	0.664	0.693	0.742	0.782
	SHF	1.165	1.248	1.238	1.193	1.160	1.112	1.076
FXFQ50A	TC	0.534	0.545	0.581	0.621	0.657	0.713	0.756
	SHF	1.173	1.276	1.282	1.218	1.173	1.115	1.075
FXFQ63A	TC	0.535	0.547	0.581	0.623	0.659	0.715	0.756
	SHF	1.168	1.270	1.282	1.217	1.171	1.114	1.076
FXFQ80A	TC	0.538	0.553	0.583	0.626	0.662	0.718	0.755
	SHF	1.154	1.253	1.279	1.214	1.168	1.113	1.078
FXFQ100A	TC	0.542	0.561	0.590	0.633	0.669	0.720	0.756
	SHF	1.140	1.235	1.268	1.206	1.162	1.116	1.093
FXFQ125A	TC	0.543	0.563	0.590	0.632	0.669	0.720	0.756
	SHF	1.136	1.230	1.268	1.206	1.162	1.117	1.096

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NOTES - ANMERKUNGEN - Σημειώσεις - NOTAS - REMARQUES - NOTE - OPMERKINGEN - Примечания - NOTLAR

How to use this table - So verwenden Sie diese Tabelle - Πώς θα χρησιμοποιήσετε αυτό τον πίνακα - Cómo utilizar esta tabla - Utilisation de ce tableau - Come utilizzare questa tabella - Gebruik van deze tabel - Как пользоваться этой таблицей - Bu tablo nasıl kullanılmalı?:

- Capacity : Total capacity for High sensible mode = Total capacity for normal capacity table X TC ratio.
Leistung: Gesamtleistung für hochfühlbaren Leistungsmodus = Gesamtleistung für normale Leistungstabelle x GL-Verhältnis.
 Απόδοση: Συνολική απόδοση για τη λειτουργία υψηλής ευαισθησίας = Συνολική απόδοση για τον πίνακα κανονικών αποδόσεων X αναλογία TC
Capacidad: Capacidad total para el modo de alta sensibilidad = Capacidad total para la tabla de capacidad normal X relación TC.
 Capacité sensible (FCS (Facteur de chaleur sensible) – en anglais : SHF) : FCS pour le mode sensibilité élevée (« High ») = FCS du tableau des capacités normales x rapport FCS.
Capacità: Capacità totale per modalità ad alta capacità sensibile = Capacità totale per tabella capacità normali X rapporto TC.
 Capaciteit: totale capaciteit in modus grote ("High") gevoeligheid = totale capaciteit uit de tabel met normale capaciteiten x TC-ratio.
Производительность: Общая производительность для режима с высоким коэфф. охлуждения = Общая производительность для нормального режима, таблица X коэфф. TC.
 Kapasite: Yüksek algı modu için toplam kapasite = Normal kapasite tablosundaki toplam kapasite değeri x TC oranı.
- Sensible capacity (SHF): SHF for High sensible mode = SHF for normal capacity table X SHF ratio.
Fühbare Leistung (SHF): SHF für hochfühlbaren Leistungsmodus = SHF für normale Leistungstabelle x SHF-Verhältnis.
 Αισθητή απόδοση (SHF): SHF για λειτουργία υψηλής ευαισθησίας = SHF για πίνακα κανονικών αποδόσεων X αναλογία SHF .

Capacidad sensible (FCS): SHF para el modo de alta sensibilidad = SHF para la tabla de capacidad normal X relación SHF.
 Capacité sensible (FCS (Facteur de chaleur sensible) – en anglais : SHF) : FCS pour le mode sensibilité élevée (« High ») = FCS du tableau des capacités normales x rapport FCS.
Capacità sensibile (SHF): SHF per modalità ad alta capacità sensibile = SHF per tabella capacità normali X rapporto SHF.
 Gevoeligheidscapaciteit (WGF (warmtegevoelsfactor)– in het Engels "SHF"): WGF voor de modus grote ("High") gevoeligheid = WGF uit de tabel met normale capaciteiten x WGF-ratio.
Ощутимая производительность (SHF): SHF для режима с высоким коэфф. охлуждения = SHF для нормального режима, таблица X коэфф. SHF.
 Algılanabilir kapasite (SHF): Yüksek algı modu için SHF = Normal kapasite tablosundaki SHF değeri x SHF oranı.

- In case of SHF is bigger than 1, SHF is "1"
Für den Fall, dass SHF größer als 1 ist, wird SHF als "1" angenommen.
 Σε περίπτωση που το SHF είναι μεγαλύτερο από 1, το SHF είναι "1"
En caso de que SHF sea superior a 1, SHF equivale a "1"
 Si FCS est supérieur à 1, utilisez « 1 » pour FCS.
Qualora il valore SHF sia maggiore di 1, SHF è "1"
 Indien WGF groter is dan 1, neem dan "1" voor WGF.
Если SHF больше 1, то SHF равен "1"
 SHF değeri 1'den büyükse, SHF değeri "1" kabul edilmelidir

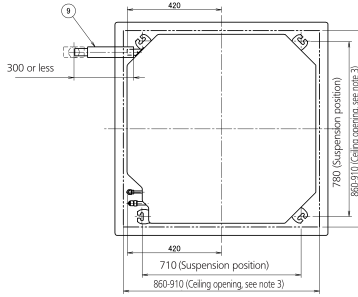
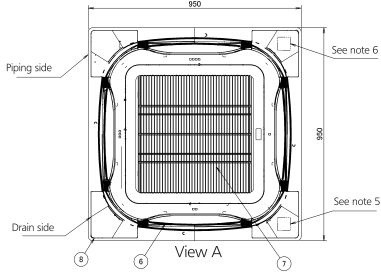
7 Dimensional drawings

7 - 1 Dimensional Drawings

7

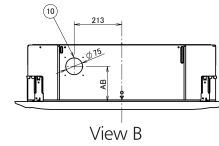
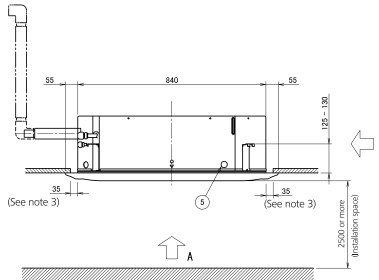
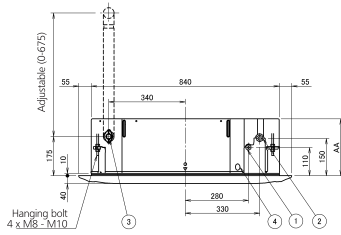
FXFQ-A

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	FCQH71-140F, FXFQ125A

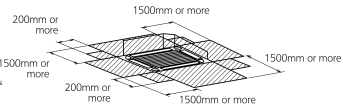
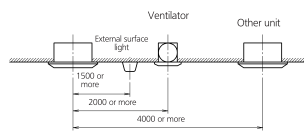


View B

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 part 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.



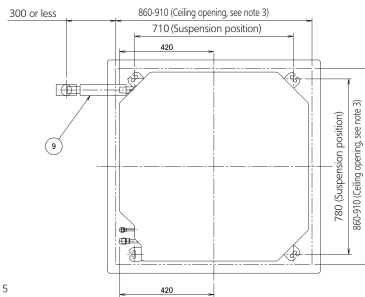
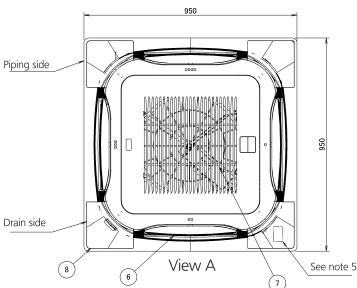
Required space

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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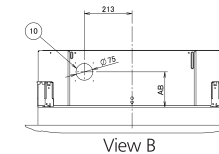
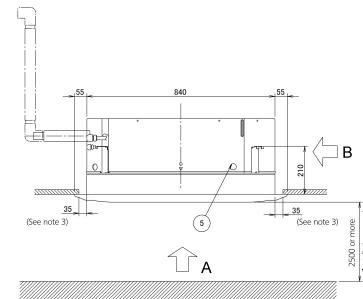
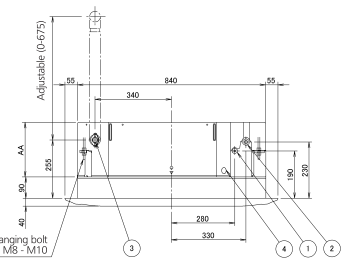
FXFQ-A

Auto cleaning panel



AA	AB	Model
204	140	FCQG35-71F, FXFQ20-63A
246	180	FCQG100-140F, FXFQ80-100A
288	180	FCQH71-140F, FXFQ125A

- 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

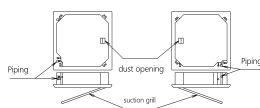


View B

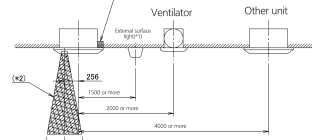
Notes:

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 part 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

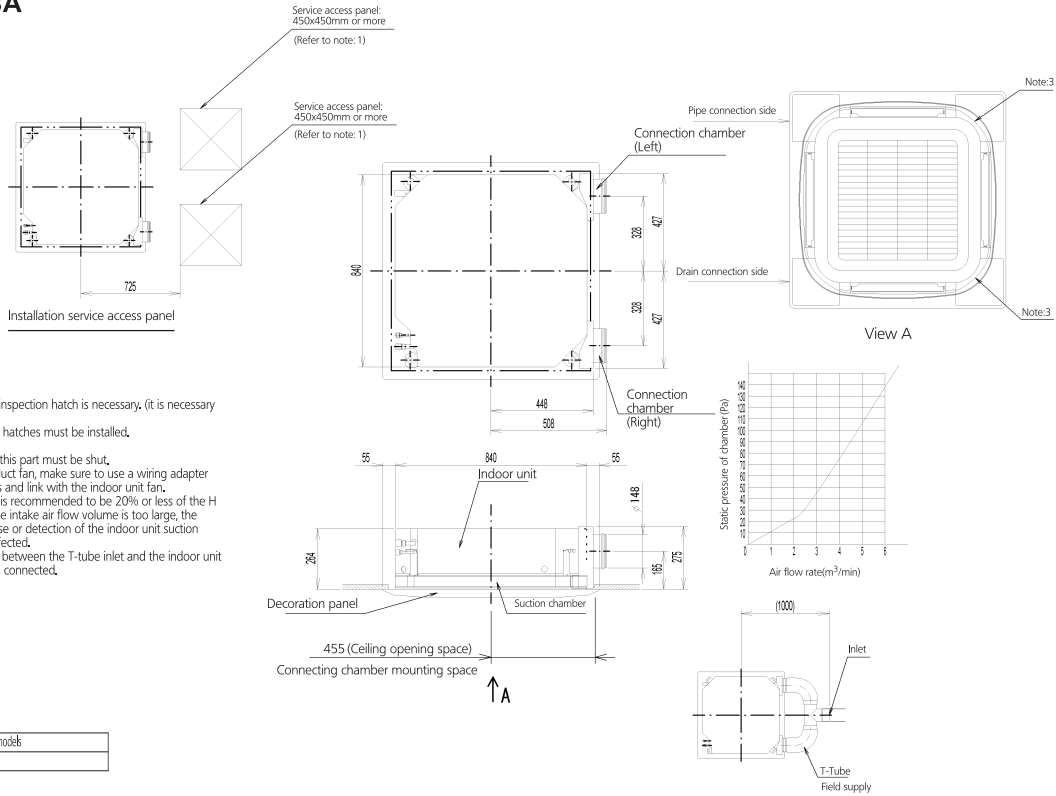
In case a discharge opening is closed with the 'sealing member' option, the distance of 1500mm can be reduced to 500mm on the closed side.

3D077131C

7 Dimensional drawings

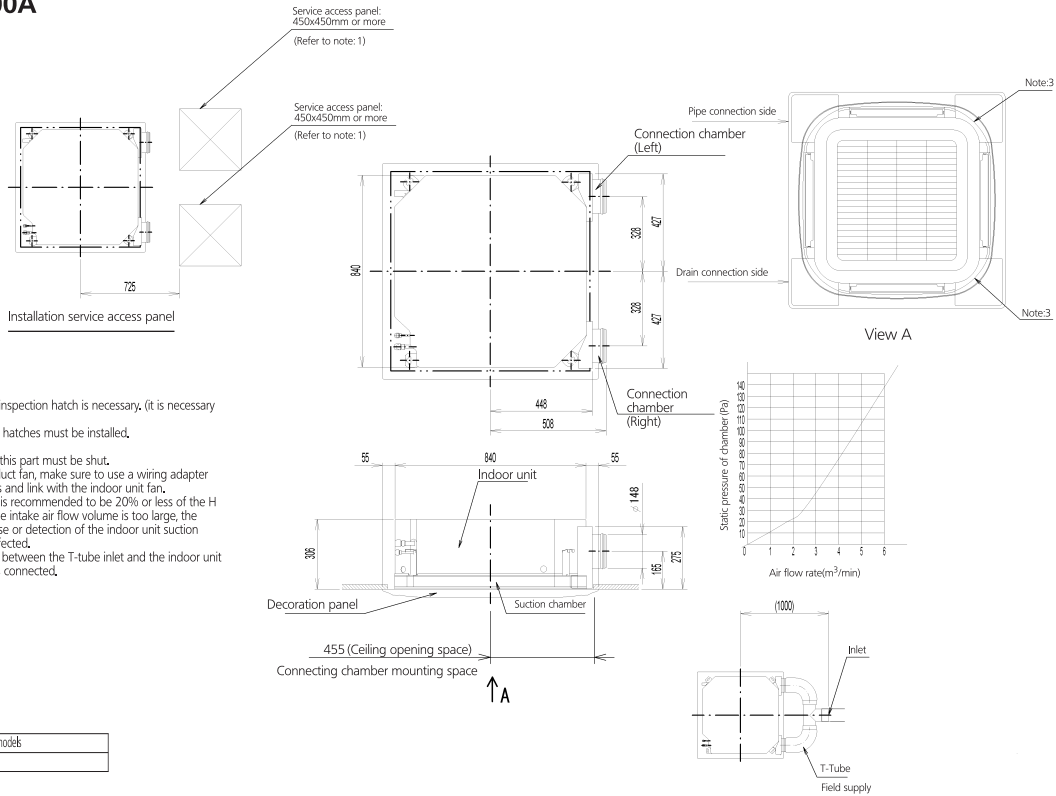
7 - 2 Dimensional Drawings with Fresh Air Intake

FXFQ20-63A



3D082217

FXFQ80-100A



3D082218

7 Dimensional drawings

7 - 2 Dimensional Drawings with Fresh Air Intake

7

FXFQ125A

Service access panel: 450x450mm or more (Refer to note:1)

Service access panel: 450x450mm or more (Refer to note:1)

Installation service access panel

725

840

446

808

47

47

39

39

840

88

88

148

148

725

148

148

Indoor unit

Suction chamber

Decoration panel

455 (Ceiling opening space)

Connecting chamber mounting space

↑ A

Connection chamber (Left)

Connection chamber (Right)

Pipe connection side

Drain connection side

Note:3

Note:3

View A

Static pressure of chamber (Pa)

Air flow rate (m³/min)

Inlet

T-Tube Field supply

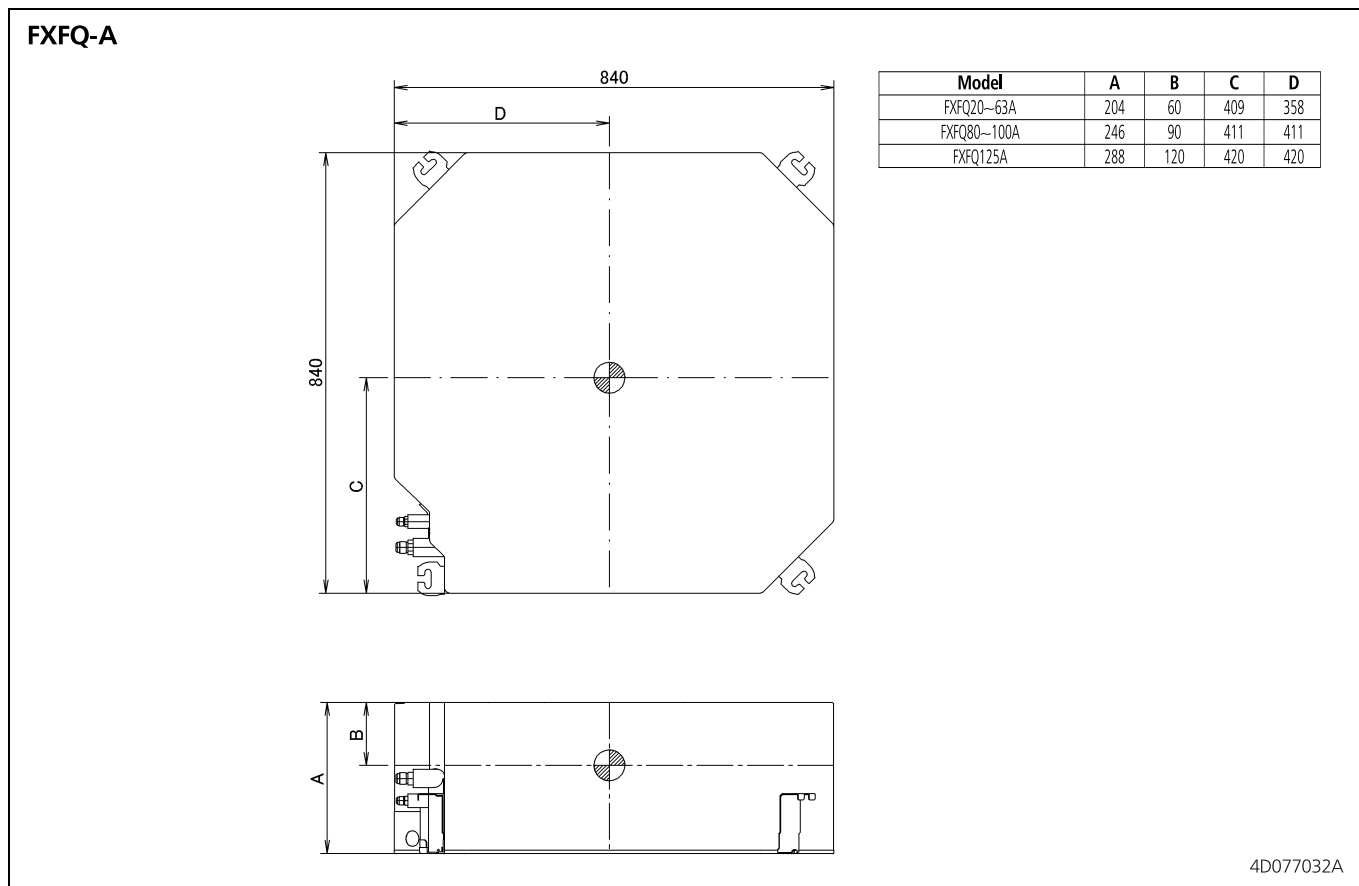
Applicable models

FXFQ125A

3D082220

8 Centre of gravity

8 - 1 Centre of Gravity



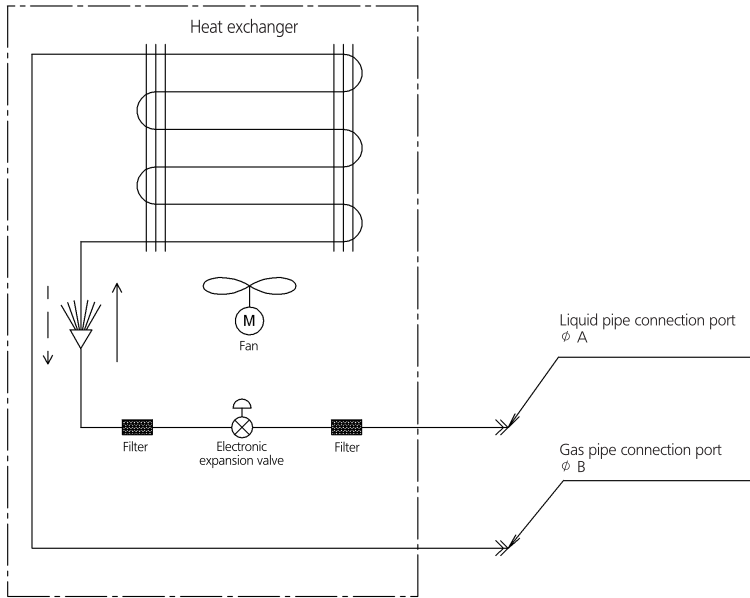
9 Piping diagrams

9 - 1 Piping Diagrams

9

FXFQ-A

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



Model	A	B
FXFQ20A	6.35	12.7
FXFQ25A		
FXFQ32A		
FXFQ40A		
FXFQ50A		
FXFQ63A	9.52	15.9
FXFQ80A		
FXFQ100A		
FXFQ125A		

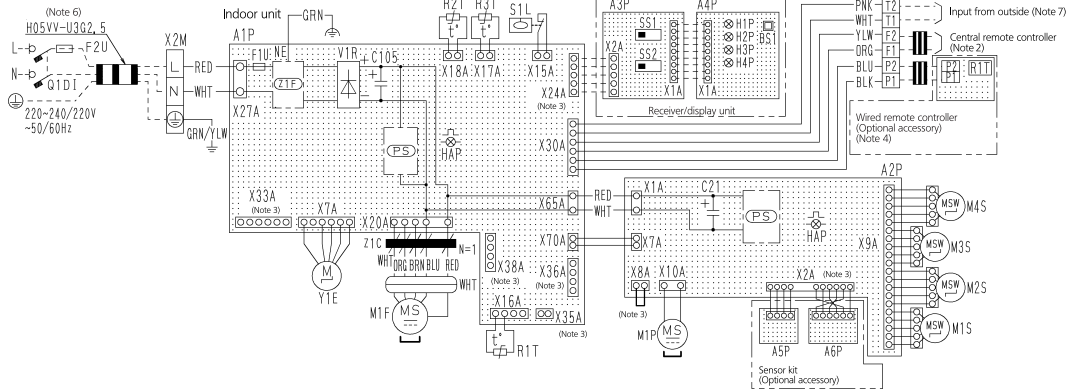
4D078800

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

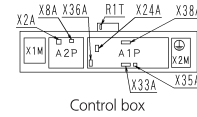
FXFQ-A

Indoor unit	
A1P	Printed circuit board
A2P	Printed circuit board
C21	Capacitor
C105	Capacitor
F1U	Fuse (T3.15A, 250V)
F2U	Fidd fuse
HAP	Light emitting diode (service monitor green)
M1F	Motor (indoor fan)
M1P	Motor (drain pump)
M1S-M4S	Motor (swing flap)
Q1D1	Earth leak detector
R1T	Thermistor (air)
R2T-R3T	Thermistor (coil)
S1L	Host switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Y1E	Electronic expansion valve
Z1C	Ferrite core (Noise filter)
Z1F	Noise filter
PS	Power supply circuit
Wired remote controller	
R1T	Thermistor (air)
Receiver/display unit (Attached to infrared remote controller)	
A3P	Printed circuit board
A4P	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)
S11	Selector switch (main/sub)
S22	Selector switch (infrared address set)
Connector for optional parts	
X2A	Connector (Sensor kit)
X8A	Connector (Auto clean panel)
X24A	Connector (Infrared remote controller)
X33A	Connector (adapter for wiring)
X35A	Connector (group control adapter)
X36A	Connector (Auto clean panel)
X38A	Connector (Multi tenant)



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, X38A are connected when the optional accessories are being used. In case of using an auto clean panel, see the wiring diagram of it.
- In case of main/sub overchange, 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 BLU:Blue.
- Shows only in case of protected pipes, use HO7RN-F in case of no protection.
- 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.



3D077519B

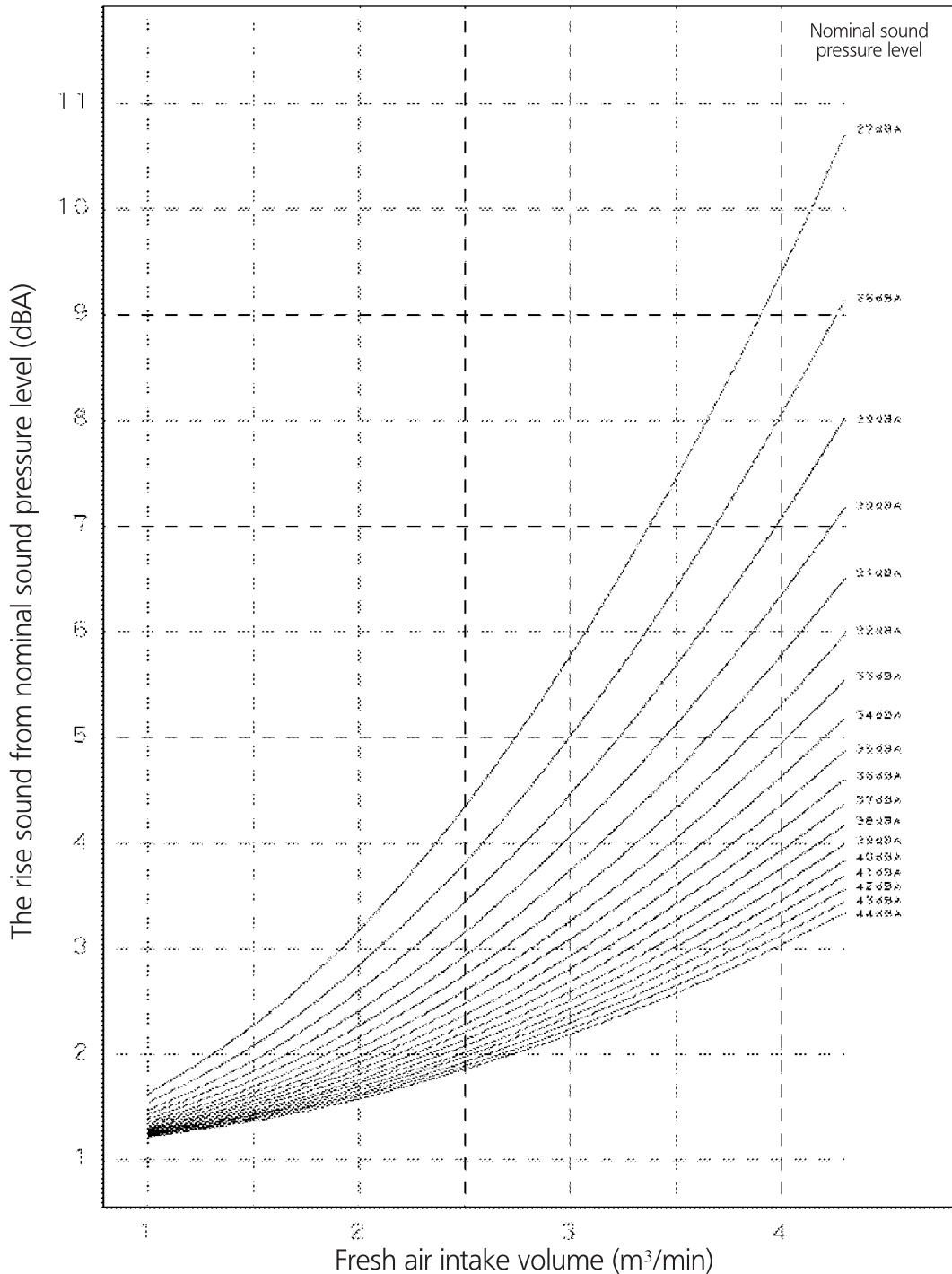
11 Sound data

11 - 1 Sound Pressure Spectrum

11

FXFQ-A

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.

FXFQ-A	20	25	32	40	50	63	80	100	125
Max fresh air intake volume (m ³ /min.)	2.5	2.5	2.5	2.7	3.1	3.5	4.3	4.3	4.3

4D079706

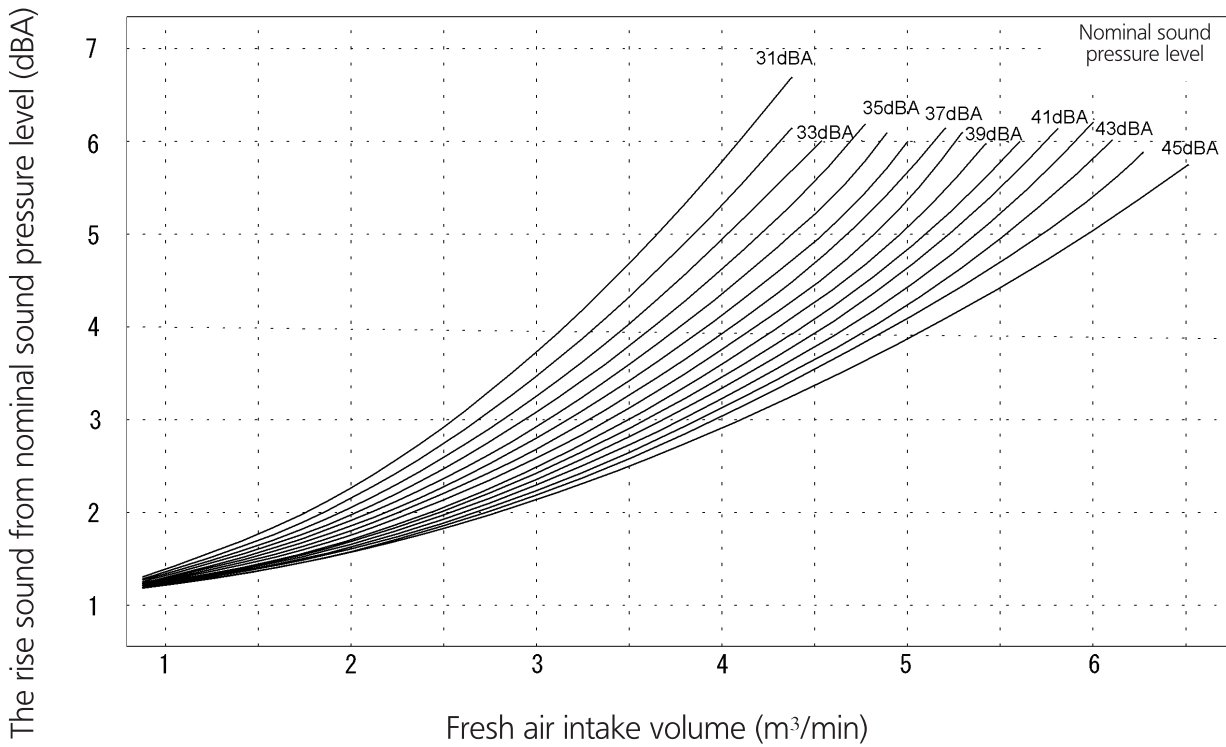
11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ-A

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.

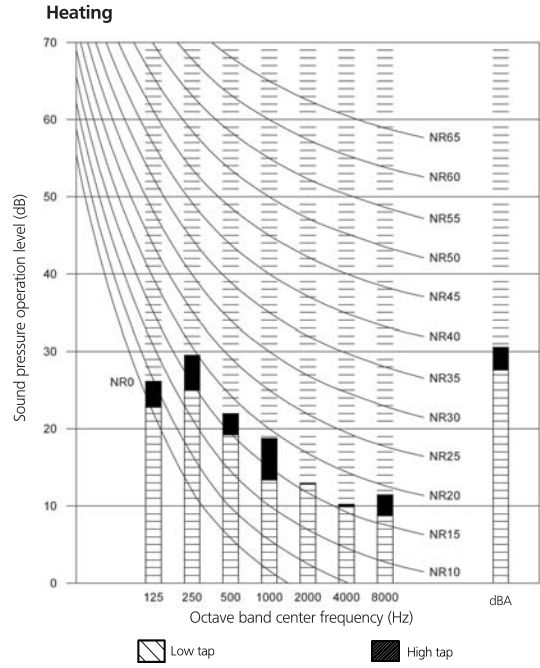
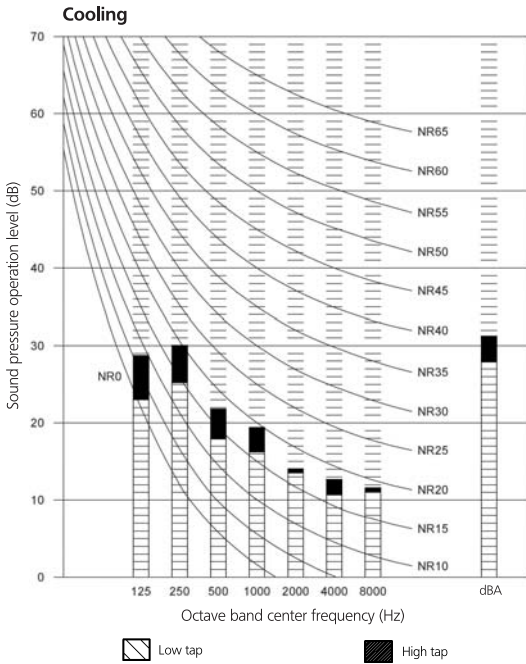
FXFQ-A	20	25	32	40	50	63	80	100	125
Max fresh air intake volume (m ³ /min)	2.5	2.5	2.5	2.7	3.0	3.3	4.5	5.3	6.6

4D082223

11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ20-32A



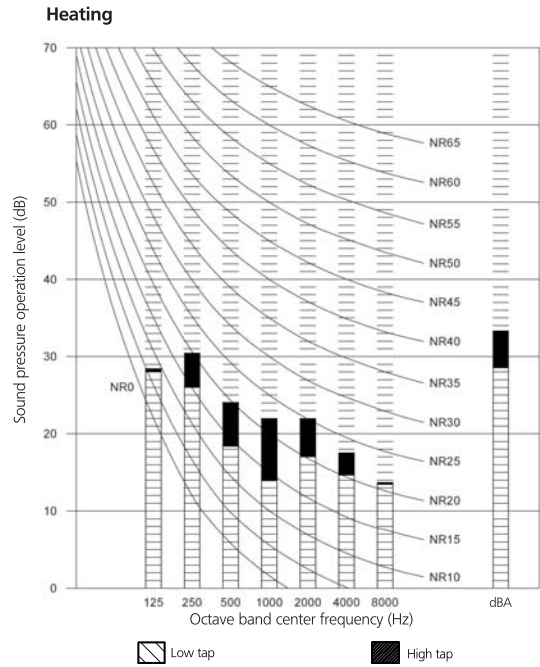
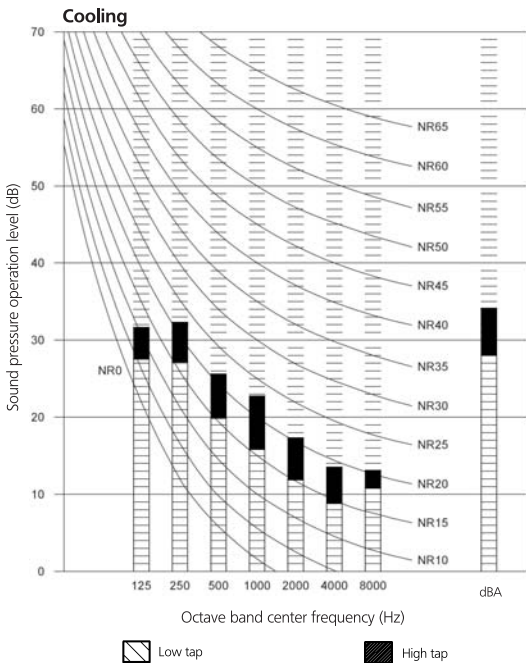
NOTES

- 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 FXFQ20AVEB, FXFQ25AVEB, FXFQ32AVEB in cooling/heating mode.
- 6 Sound power level:

High tap
49 dB

3D079458

FXFQ40-50A



NOTES

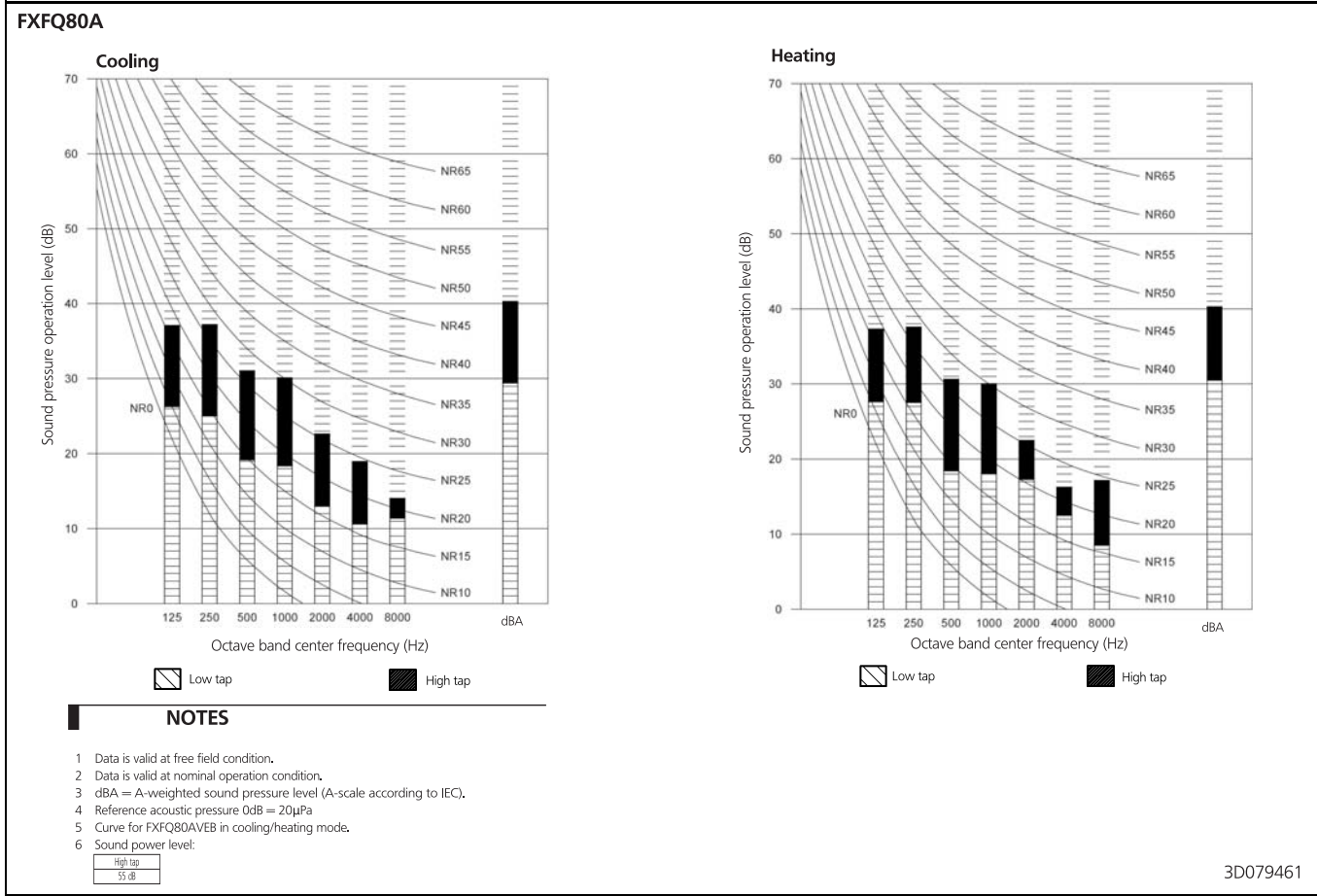
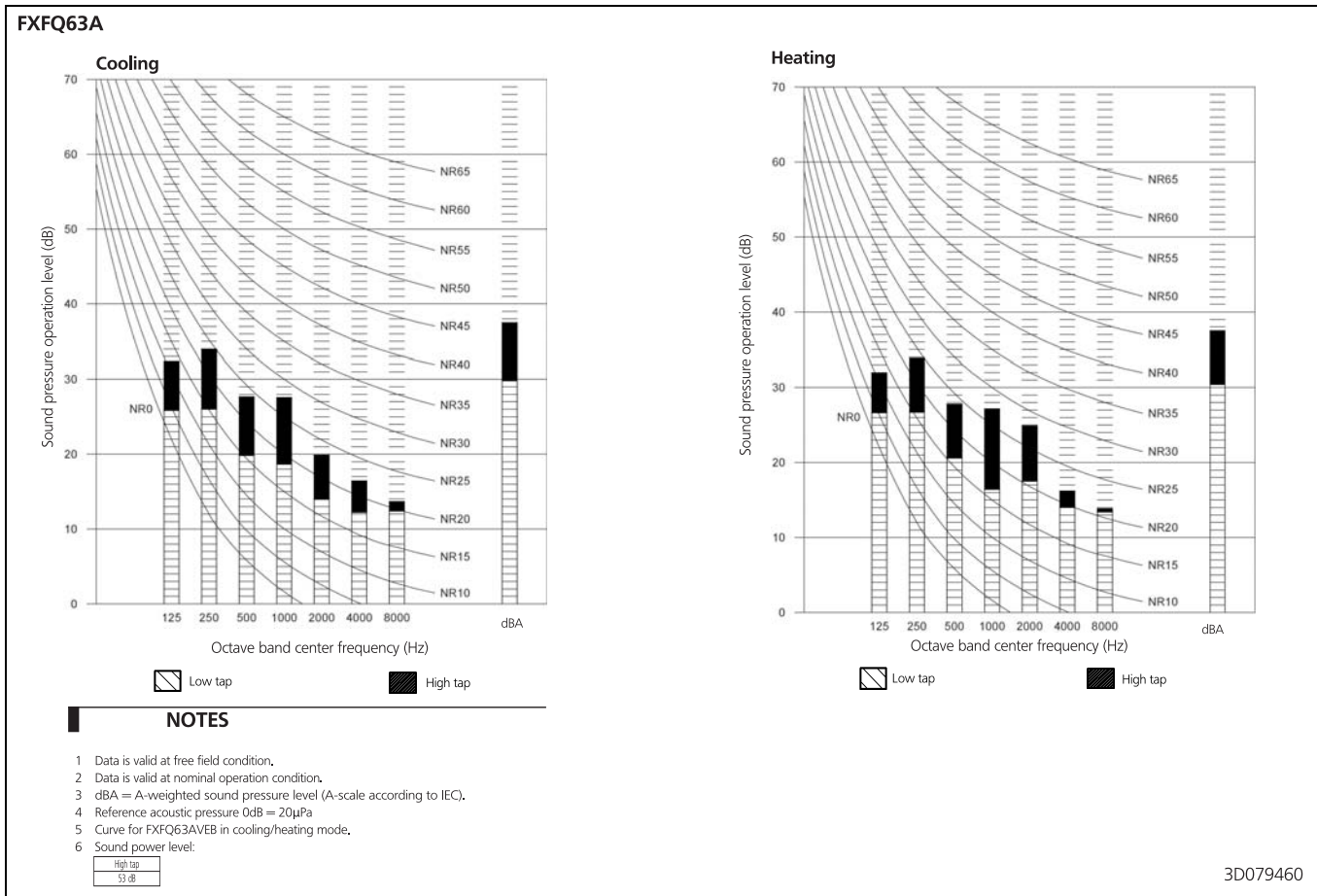
- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressure 0dB = 20μPa
- 5 Curve for FXFQ40AVEB, FXFQ50AVEB in cooling/heating mode.
- 6 Sound power level:

High tap
51 dB

3D079459

11 Sound data

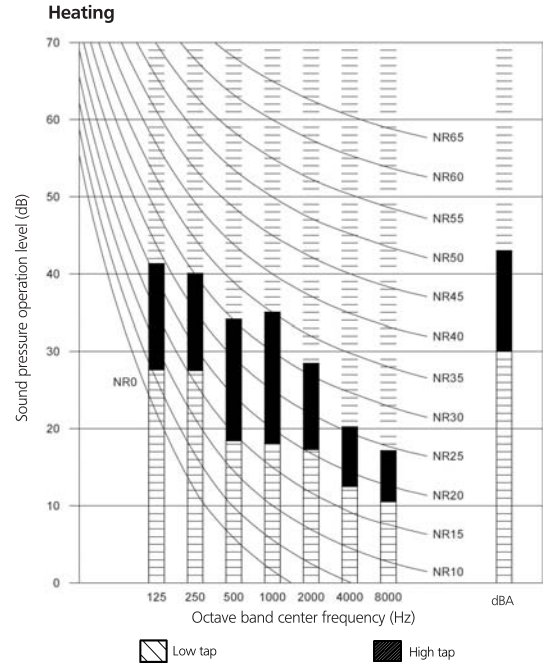
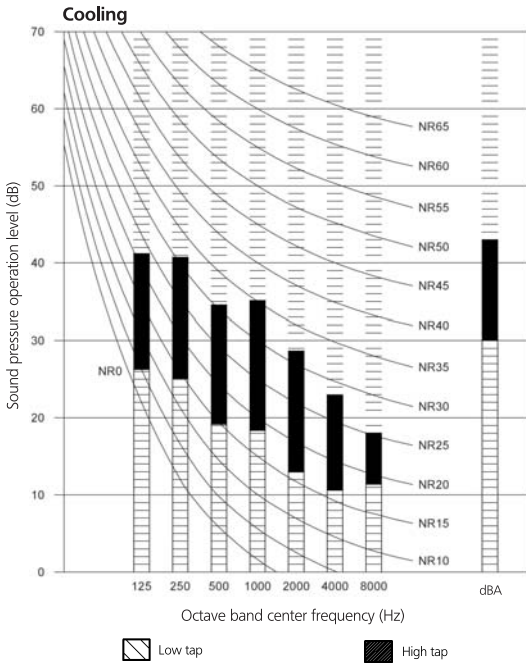
11 - 1 Sound Pressure Spectrum



11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ100A



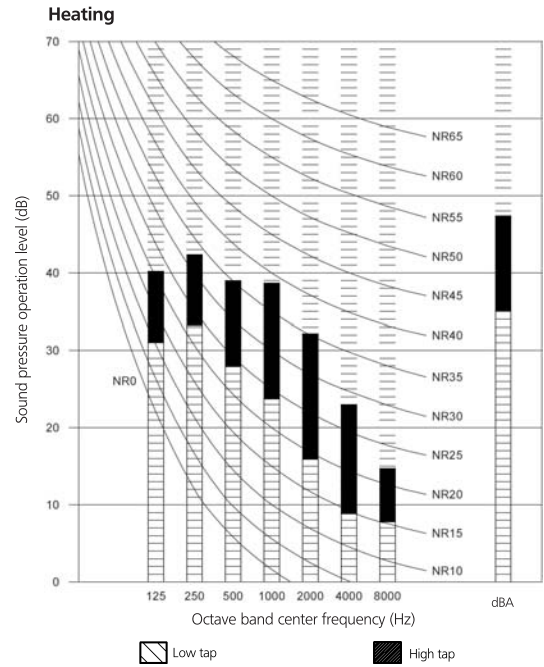
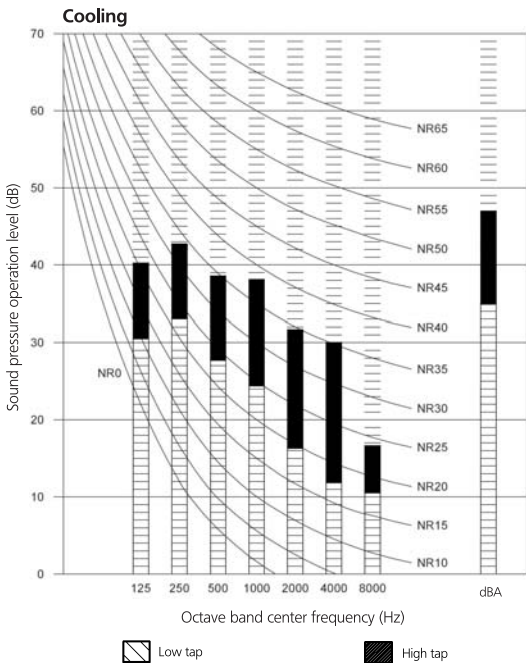
NOTES

- 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 FXFQ100AVEB in cooling/heating mode.
- 6 Sound power level:

High tap
60 dB

3D079466

FXFQ125A



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 FXFQ125AVEB in cooling/heating mode.
- 6 Sound power level:

High tap
61 dB

3D079467

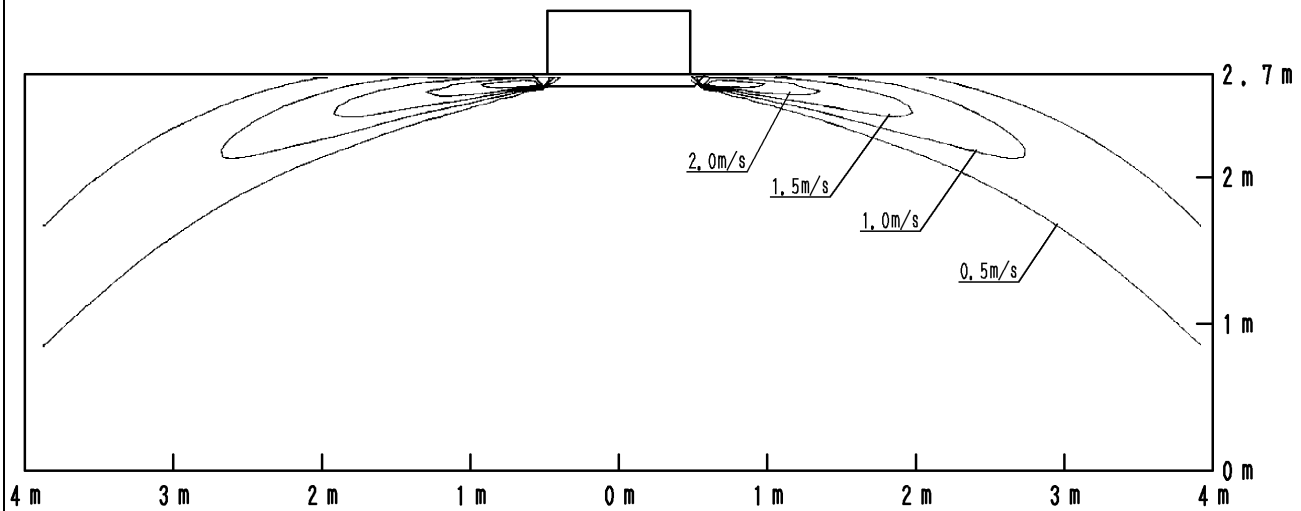
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ20-25A

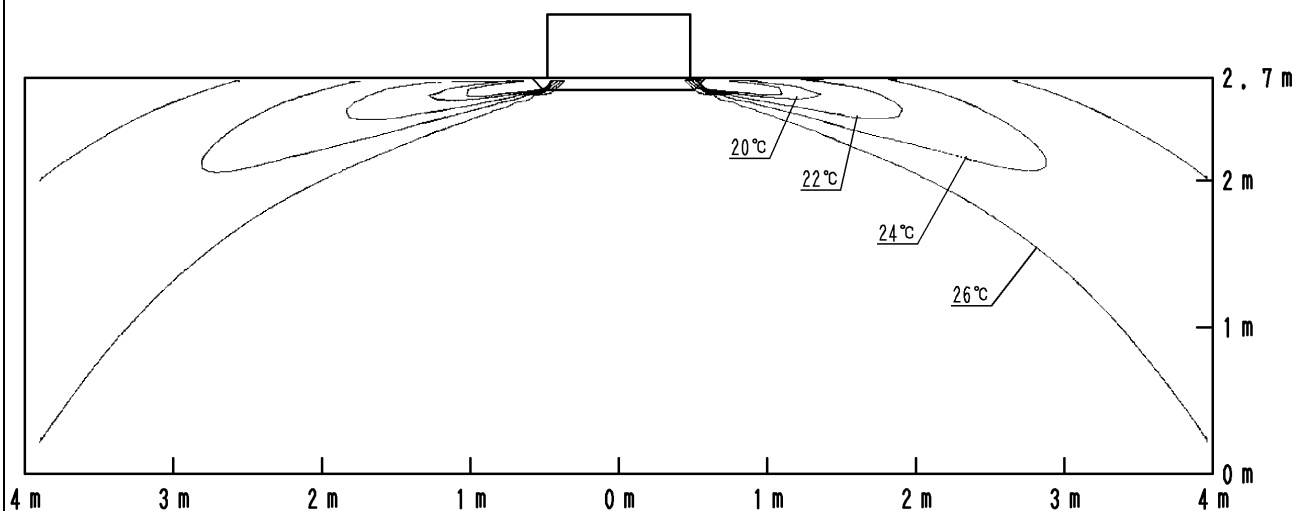
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

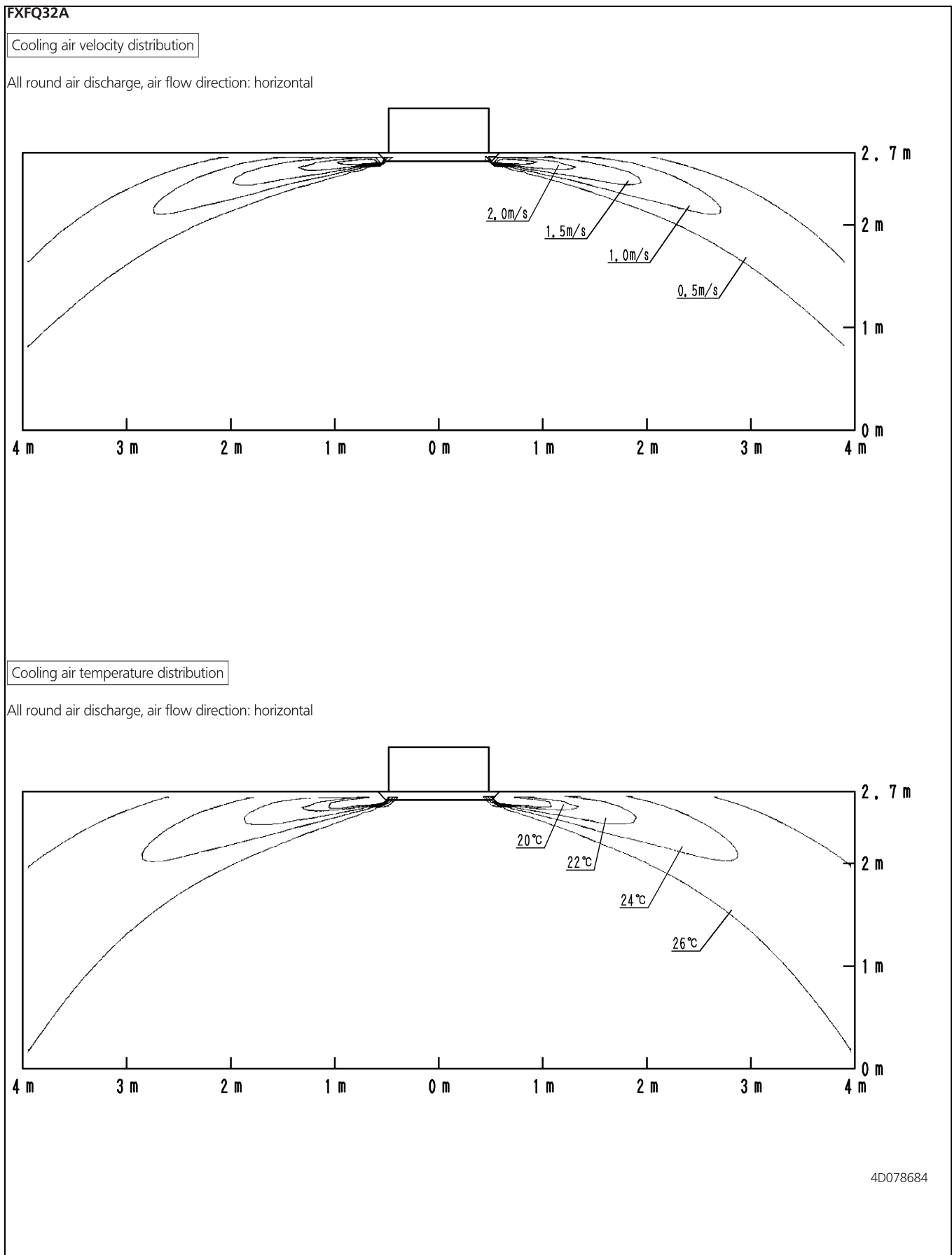


4D077053A

12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

12



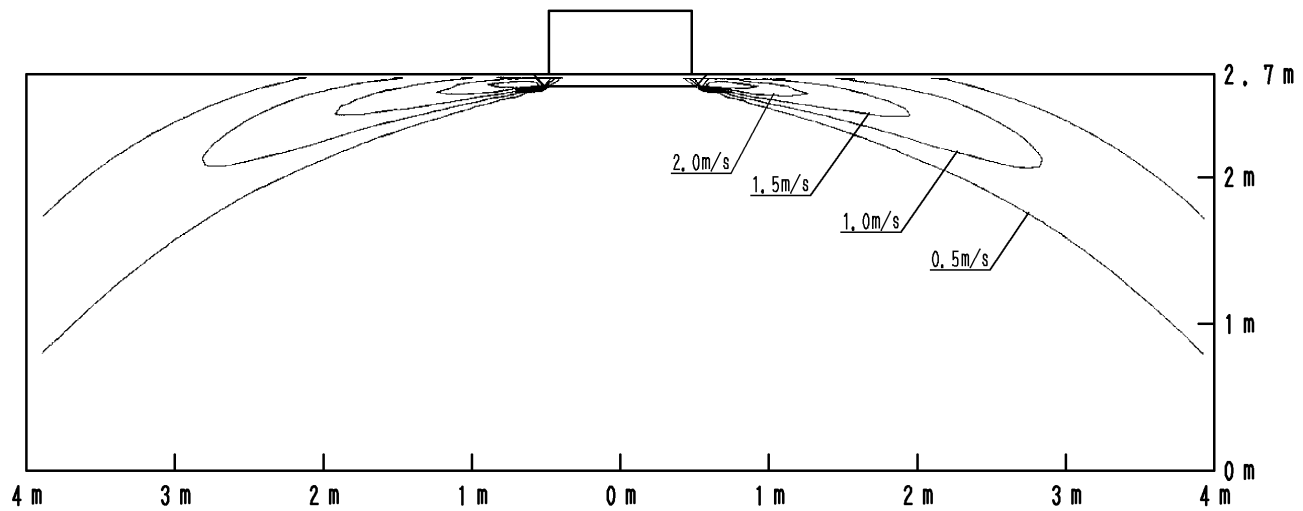
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ40A

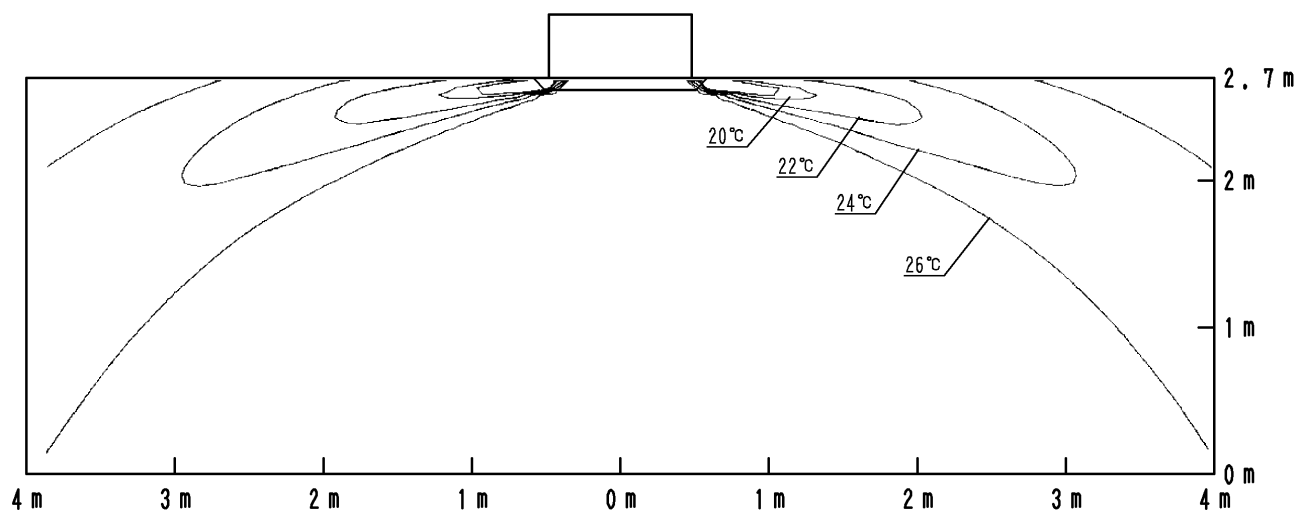
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

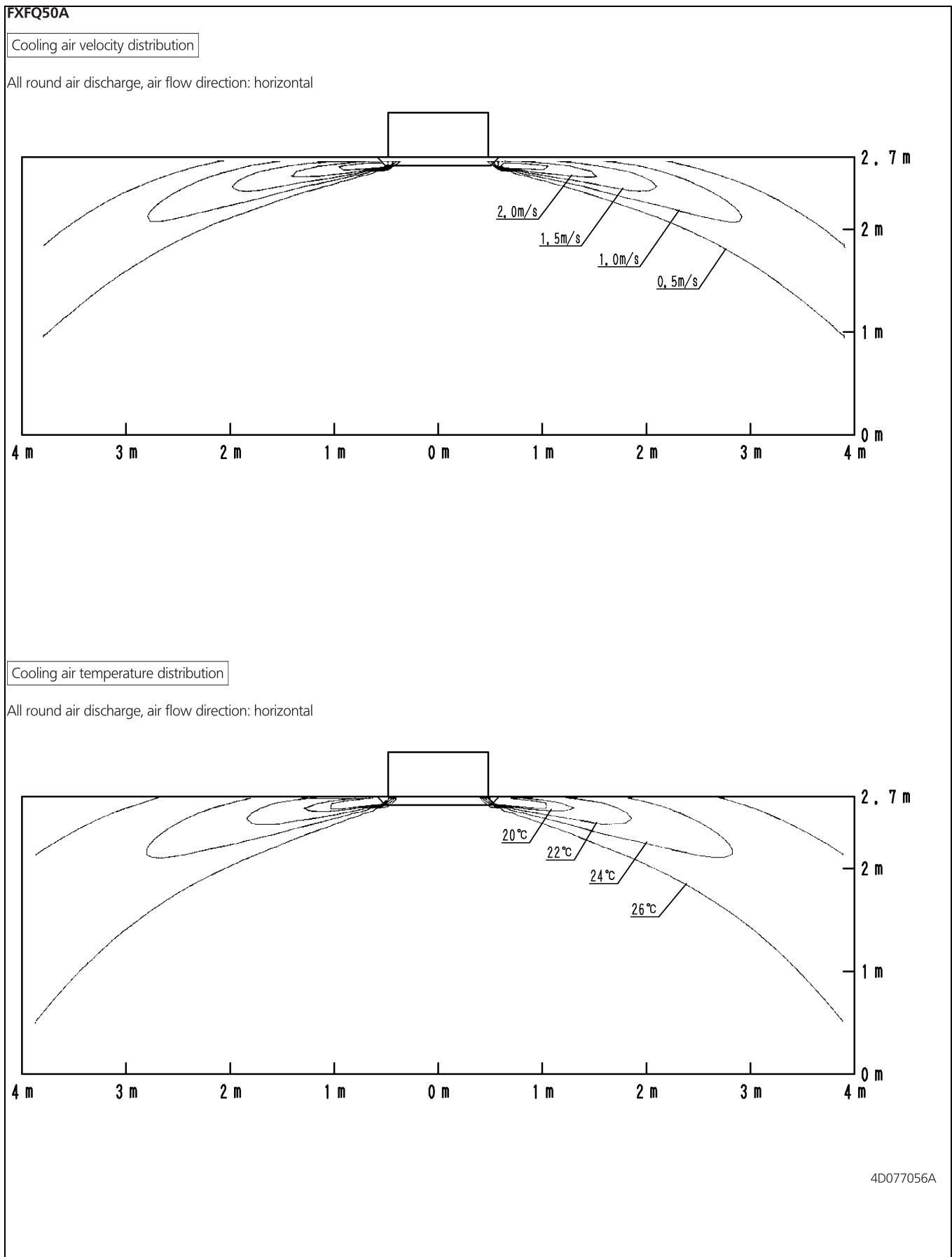


4D077055A

12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

12



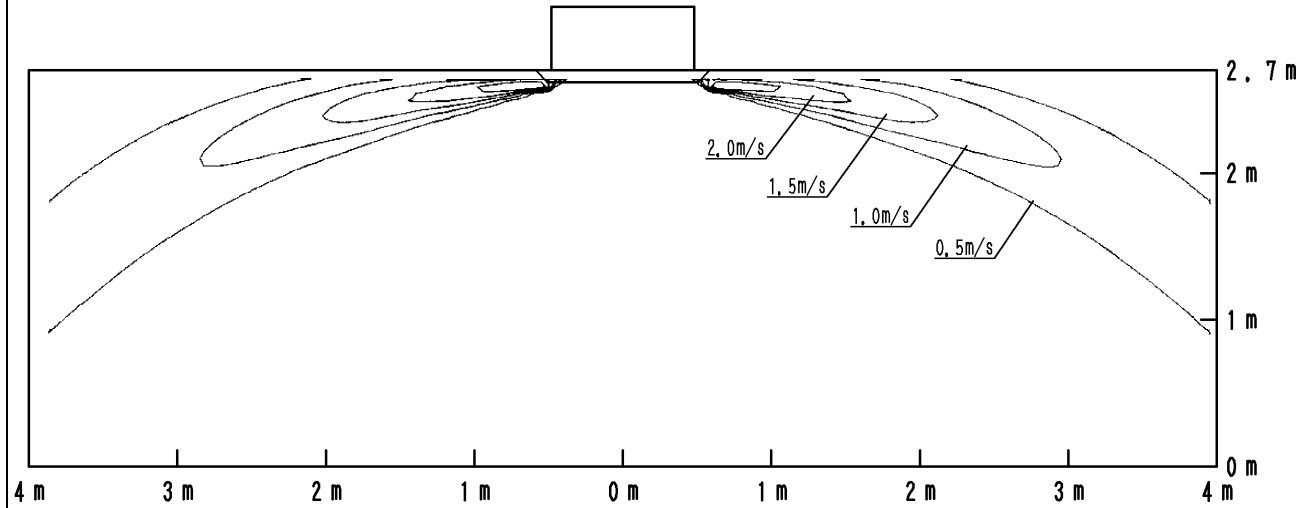
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ63A

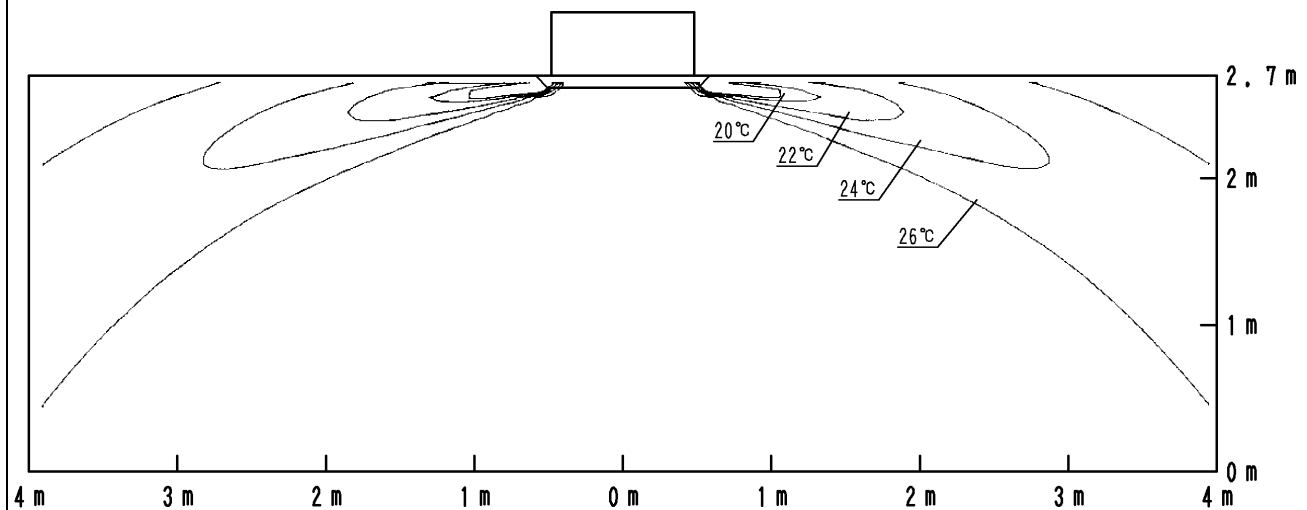
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D078685

12 Air flow patterns

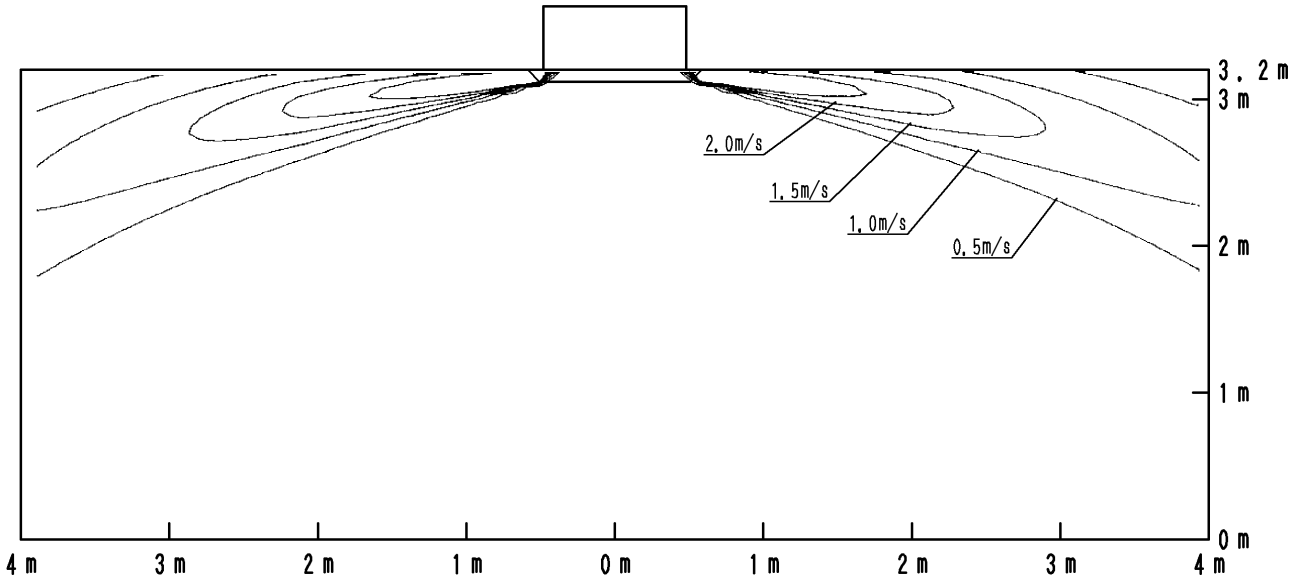
12 - 1 Air Flow Pattern - Cooling

12

FXFQ80A

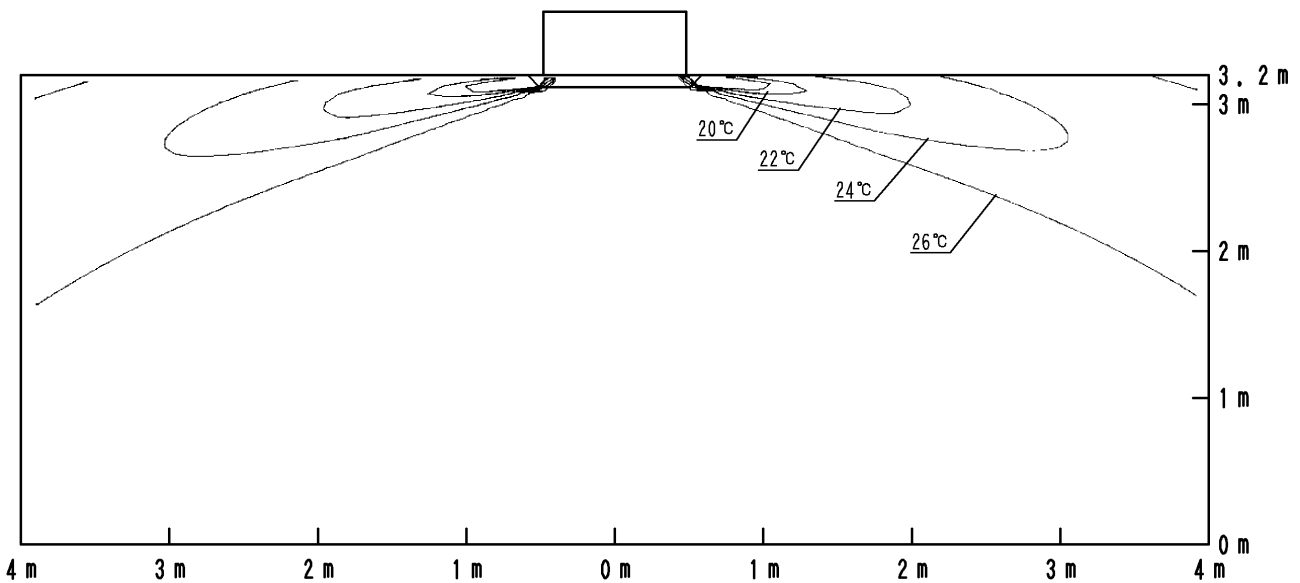
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077057A

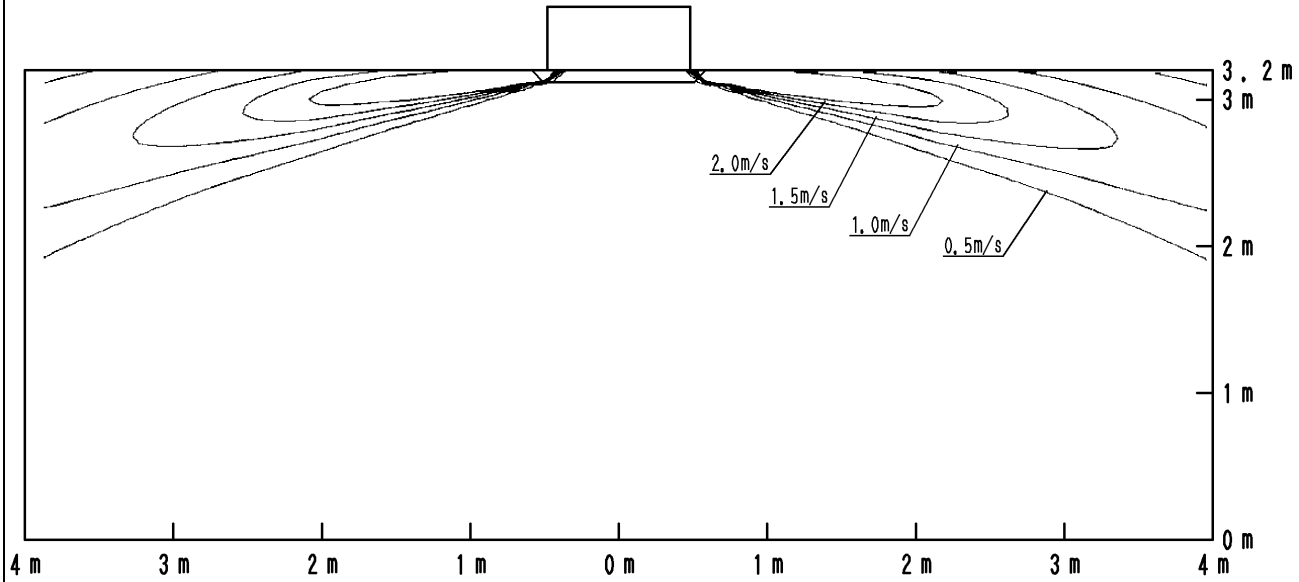
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ100A

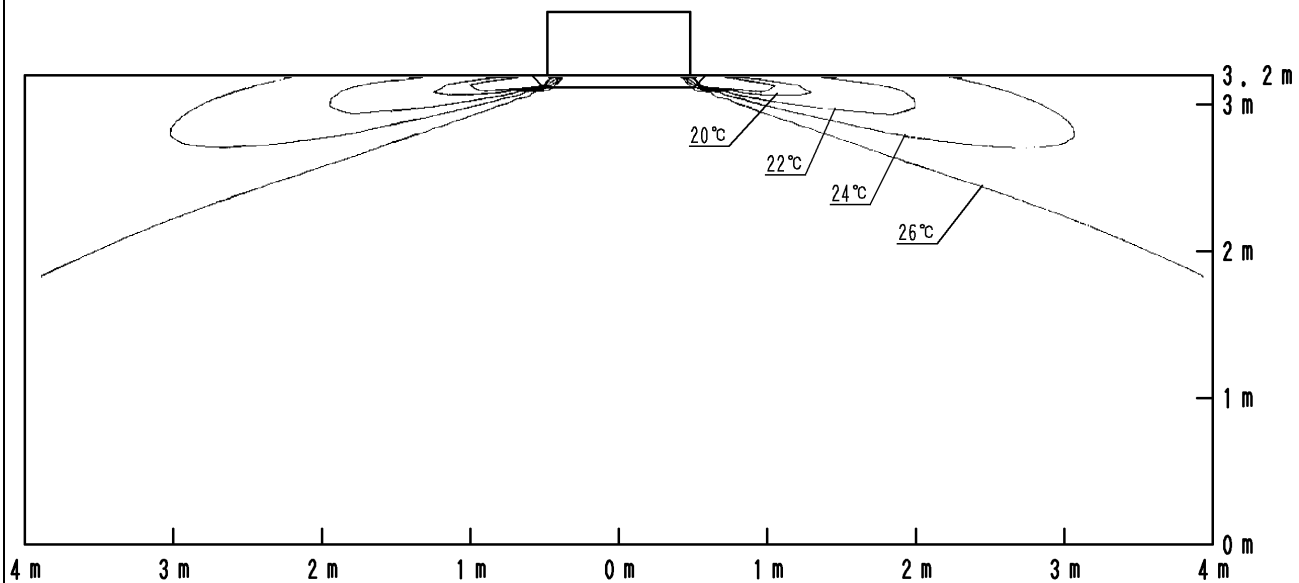
Cooling air velocity distribution

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

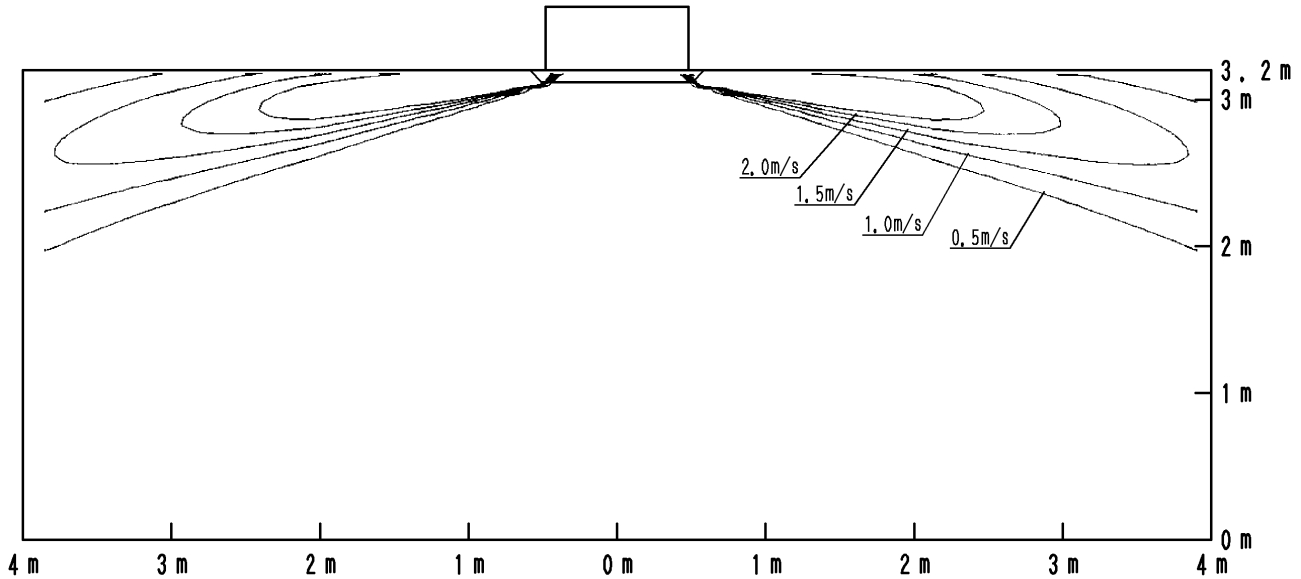
12 - 1 Air Flow Pattern - Cooling

12

FXFQ125A

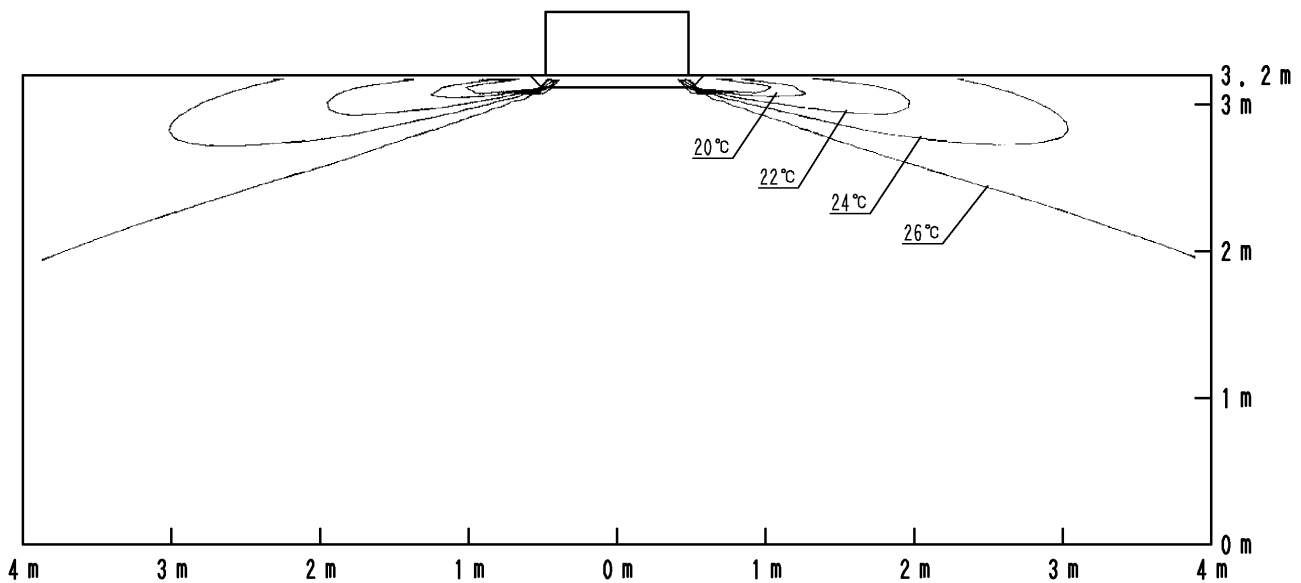
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077063A

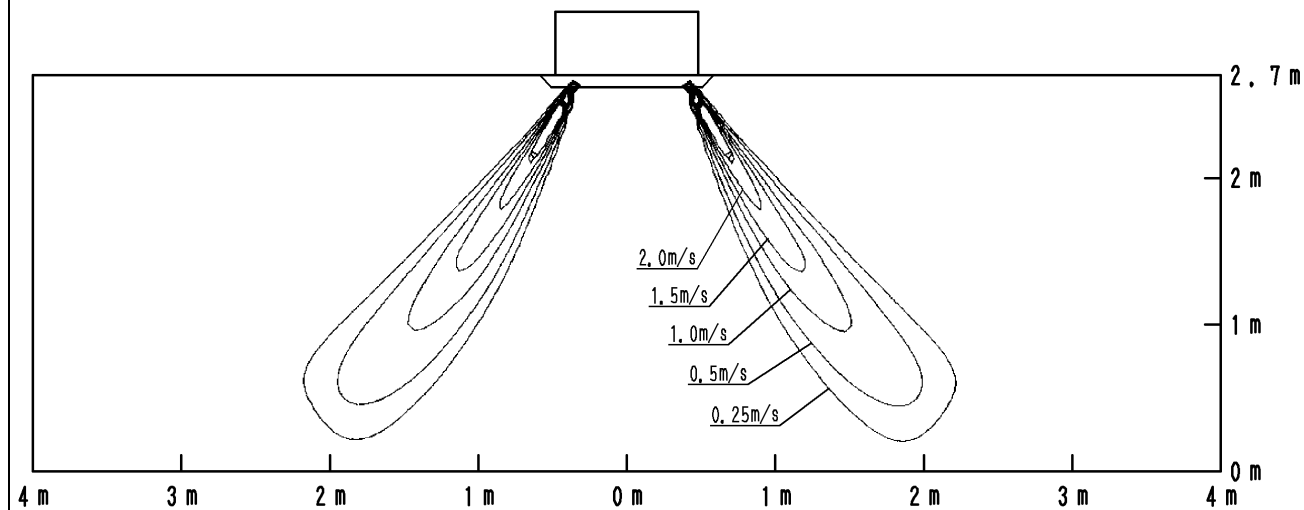
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ20-25A

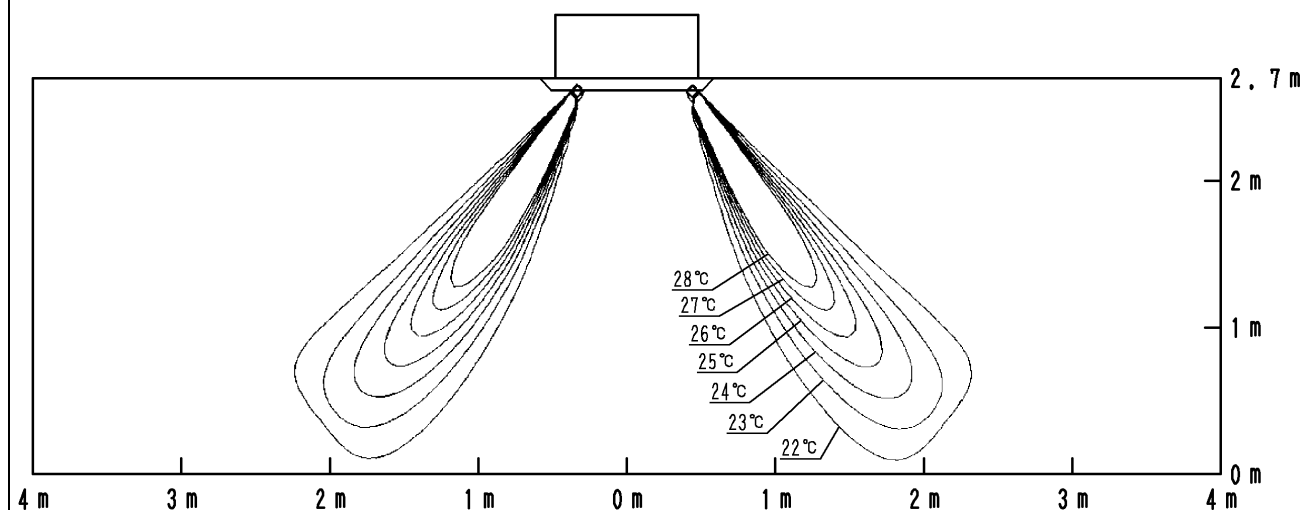
Heating air velocity distribution

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

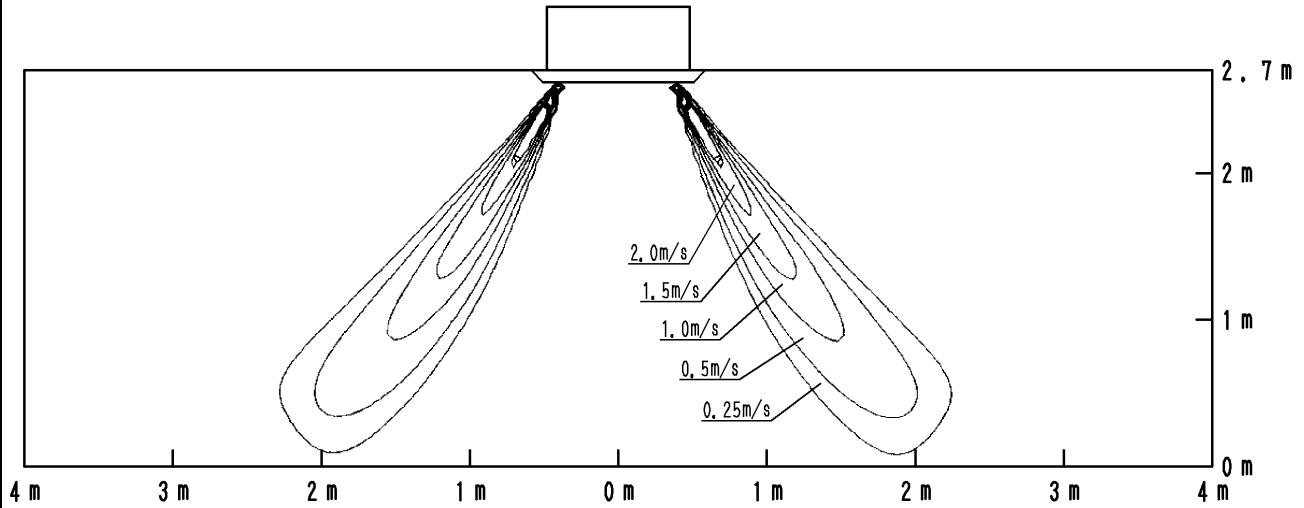
12 - 2 Air Flow Pattern - Heating

12

FXFQ32A

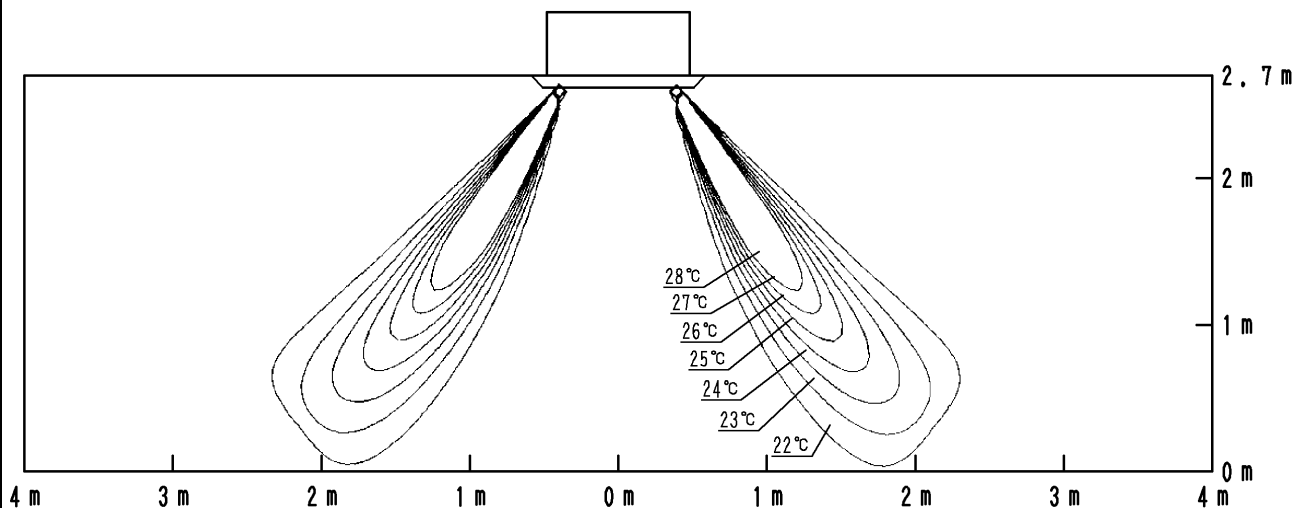
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D078683

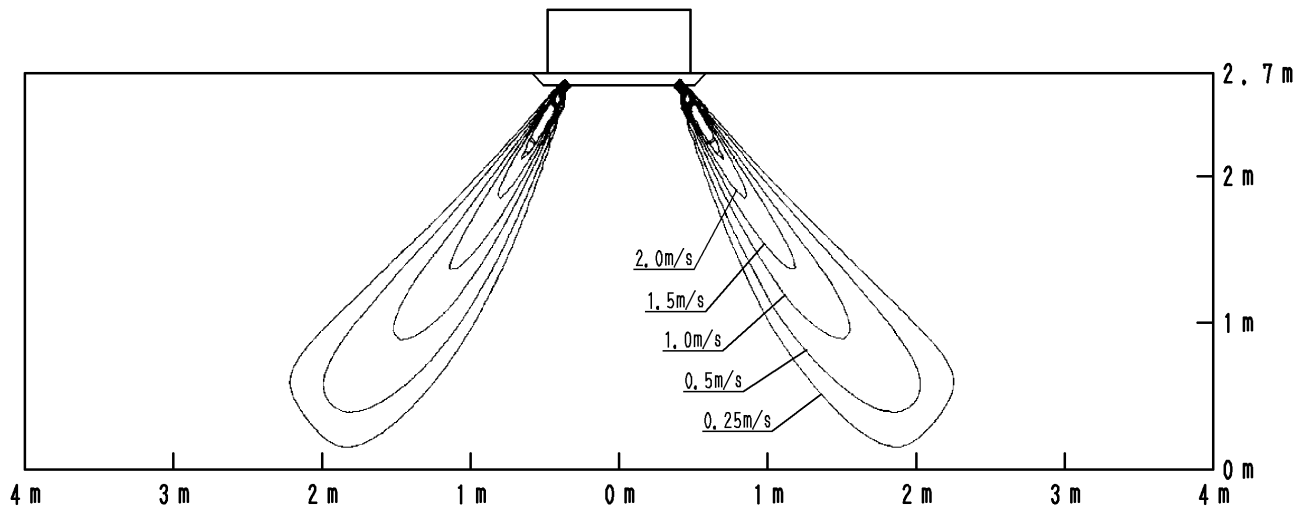
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ40A

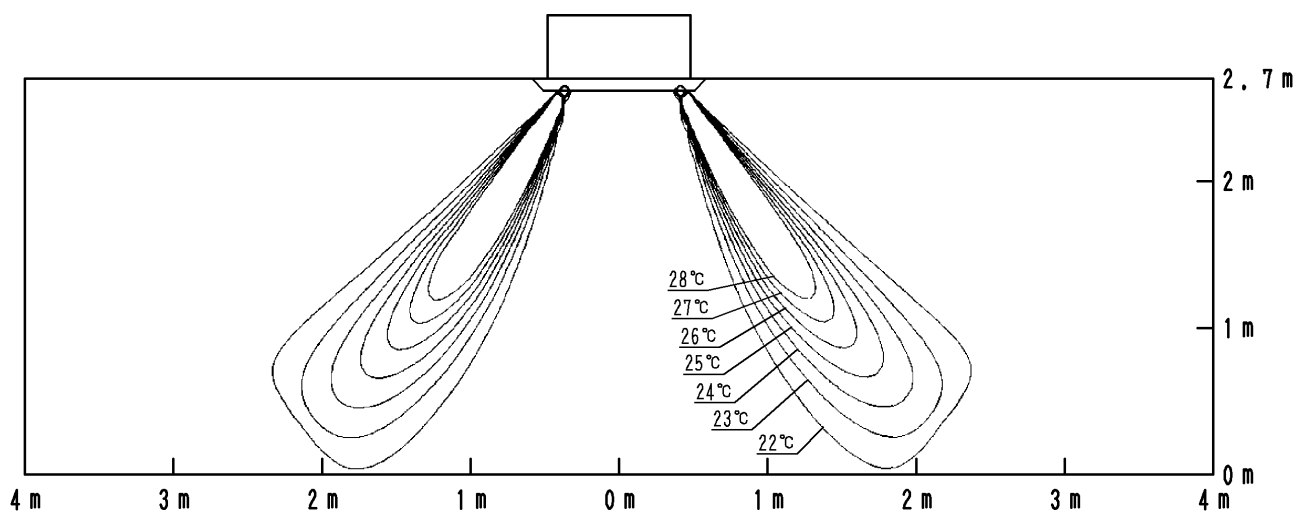
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077044A

12 Air flow patterns

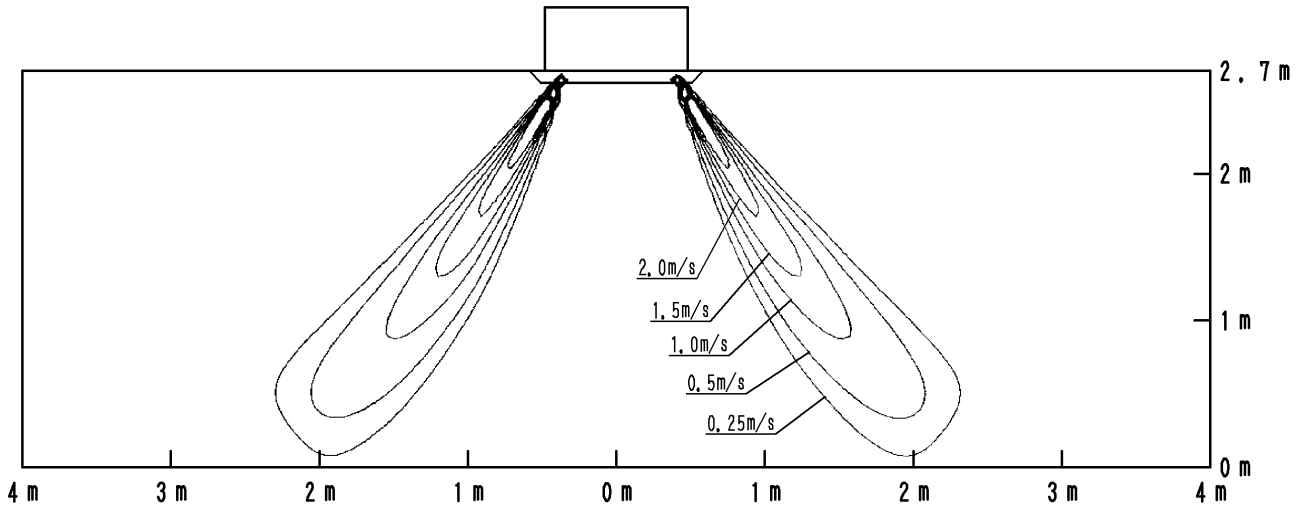
12 - 2 Air Flow Pattern - Heating

12

FXFQ50A

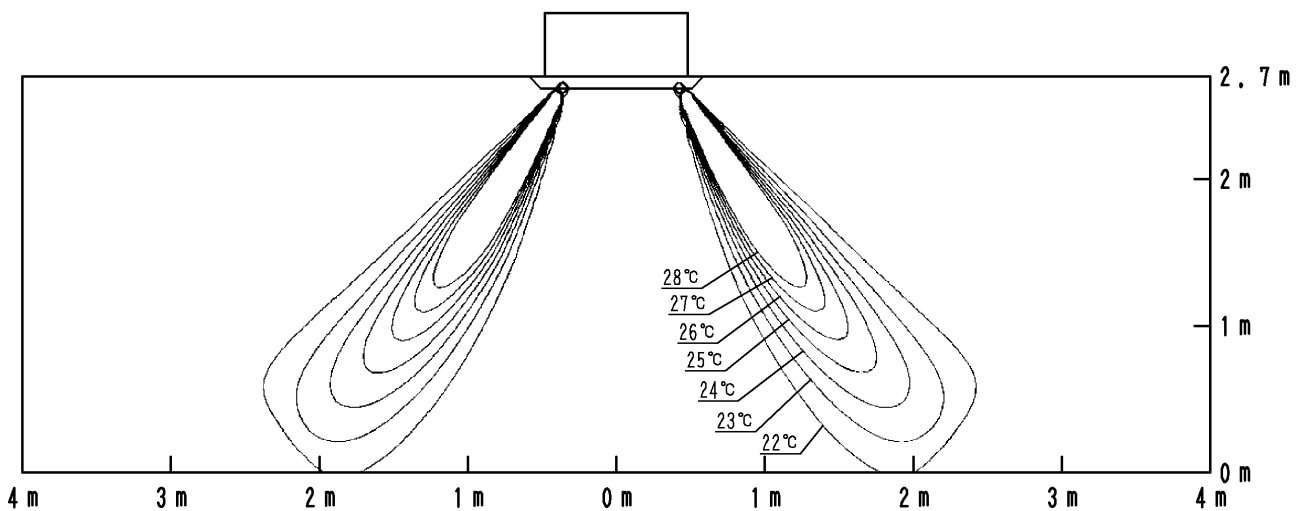
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077045A

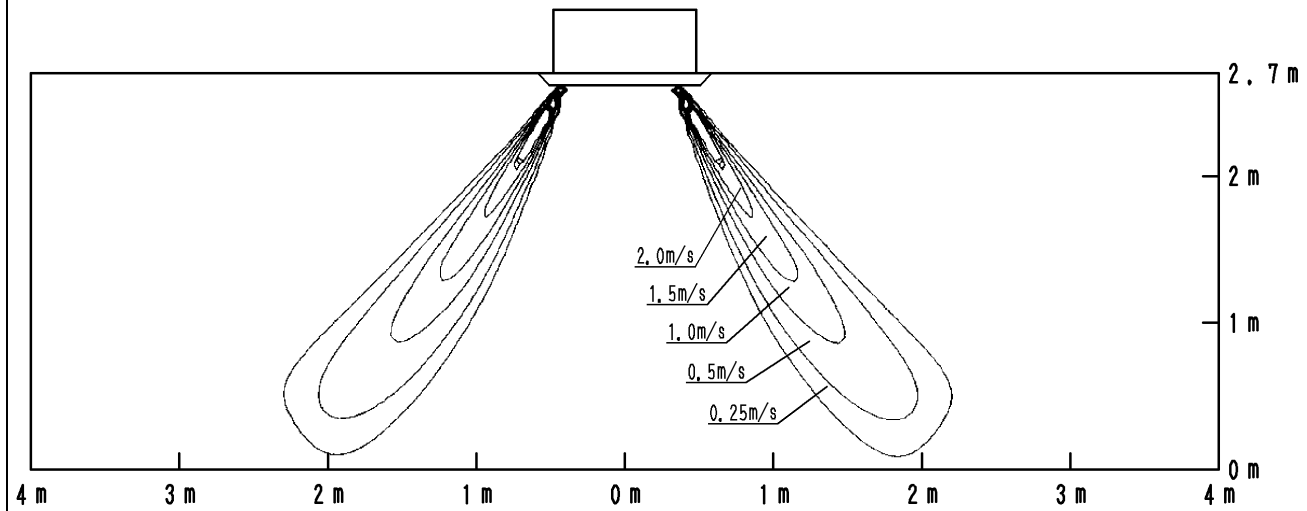
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ63A

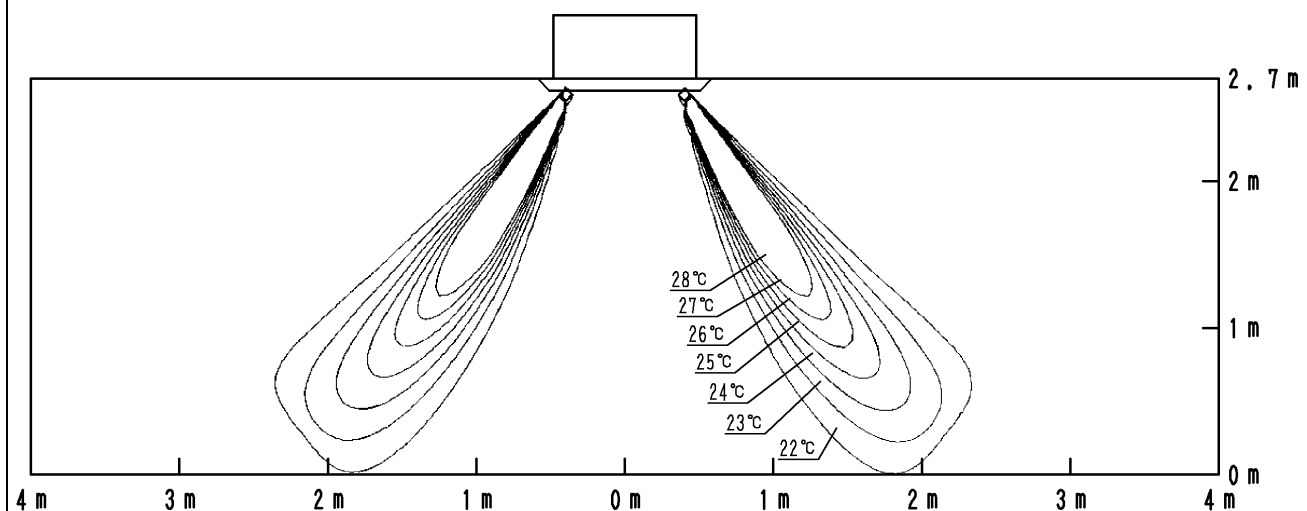
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D078686

12 Air flow patterns

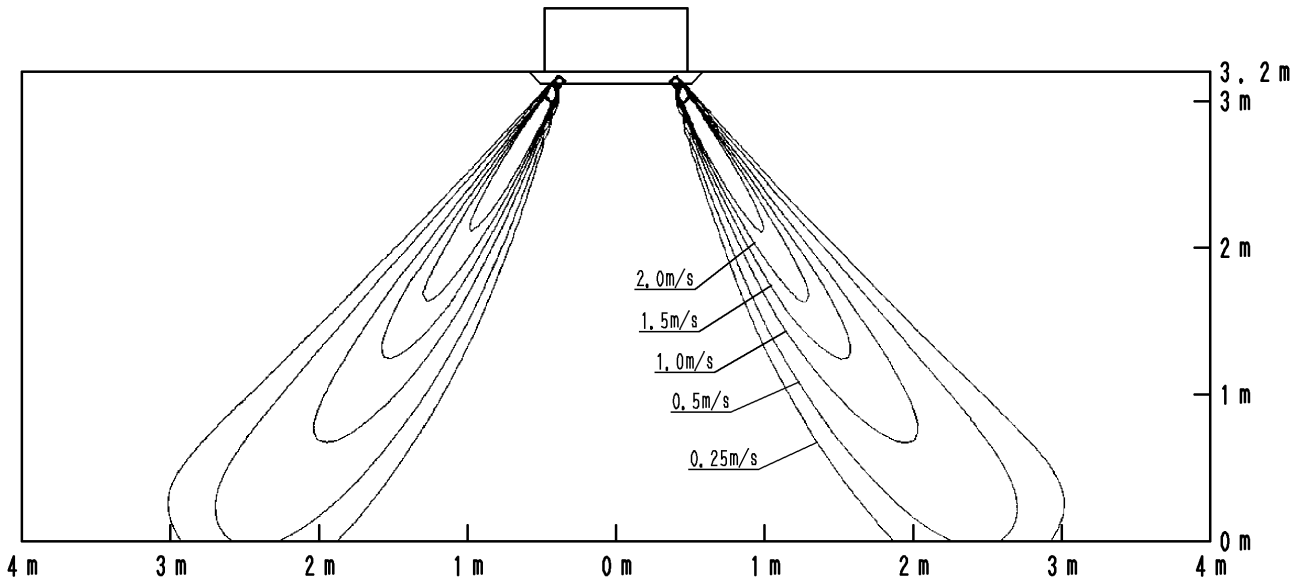
12 - 2 Air Flow Pattern - Heating

12

FXFQ80A

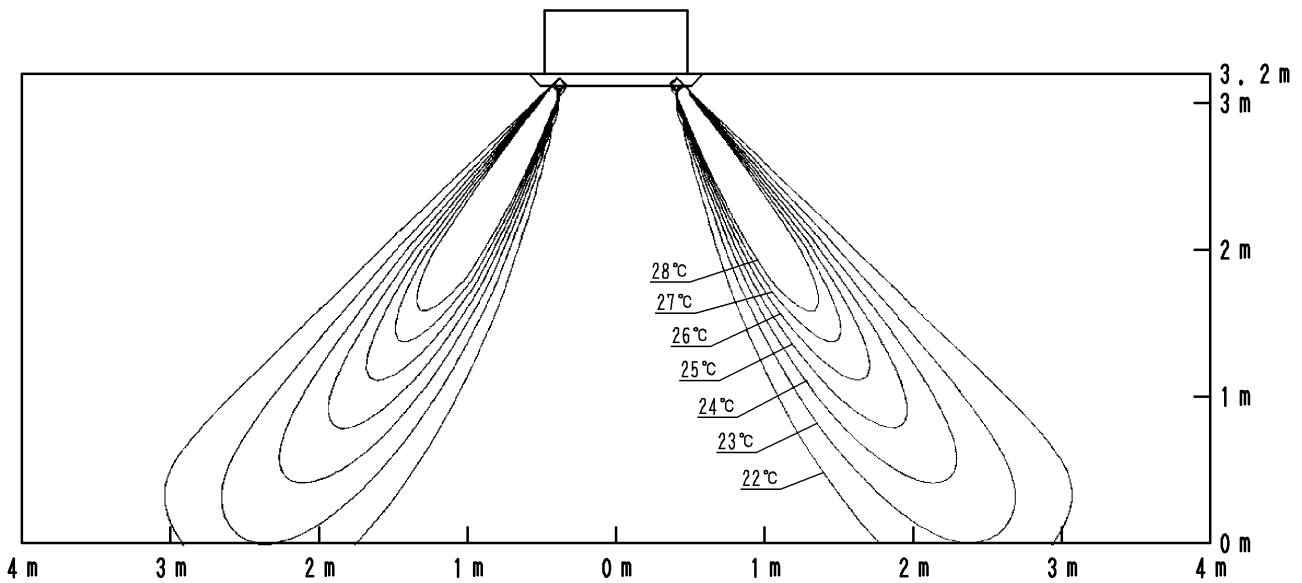
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077046A

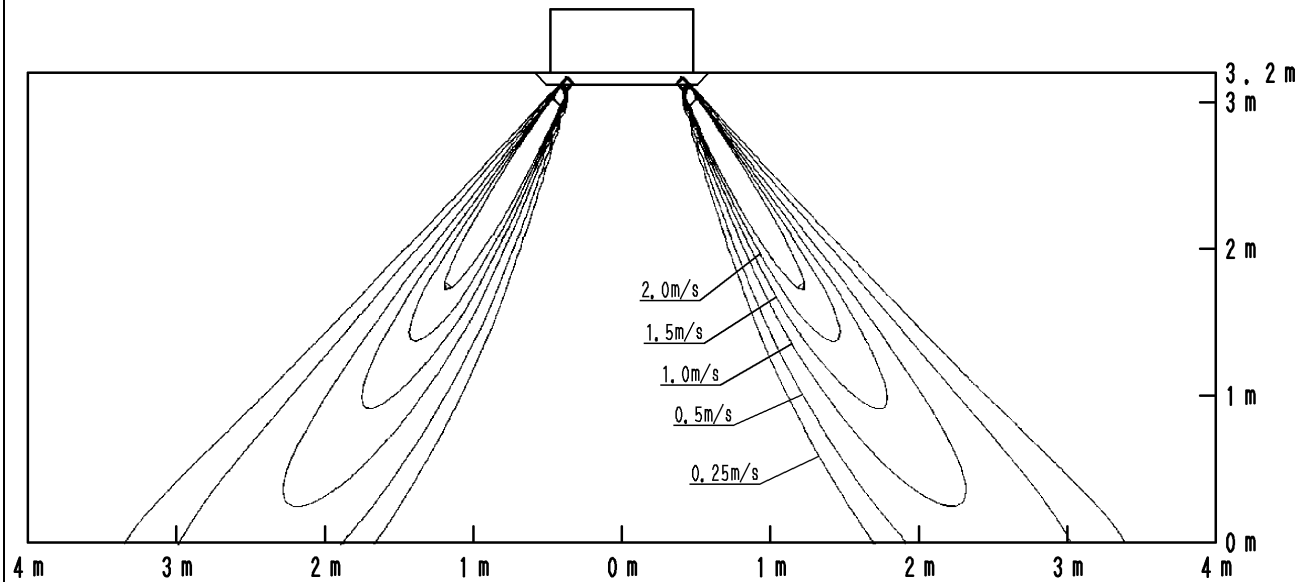
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ100A

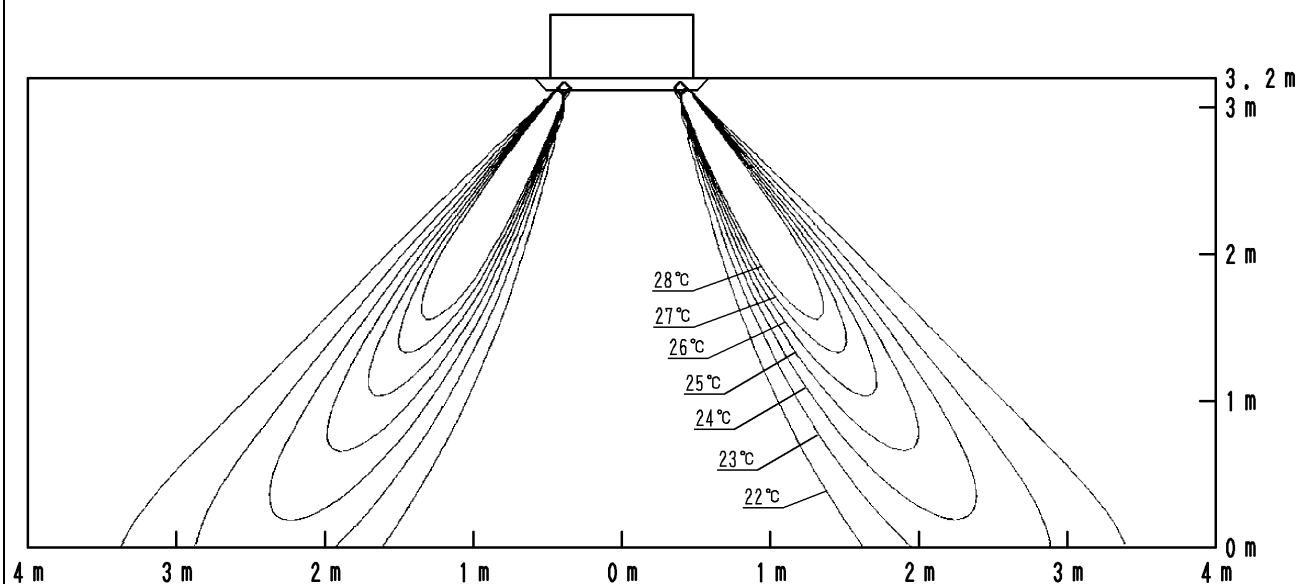
Heating air velocity distribution

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

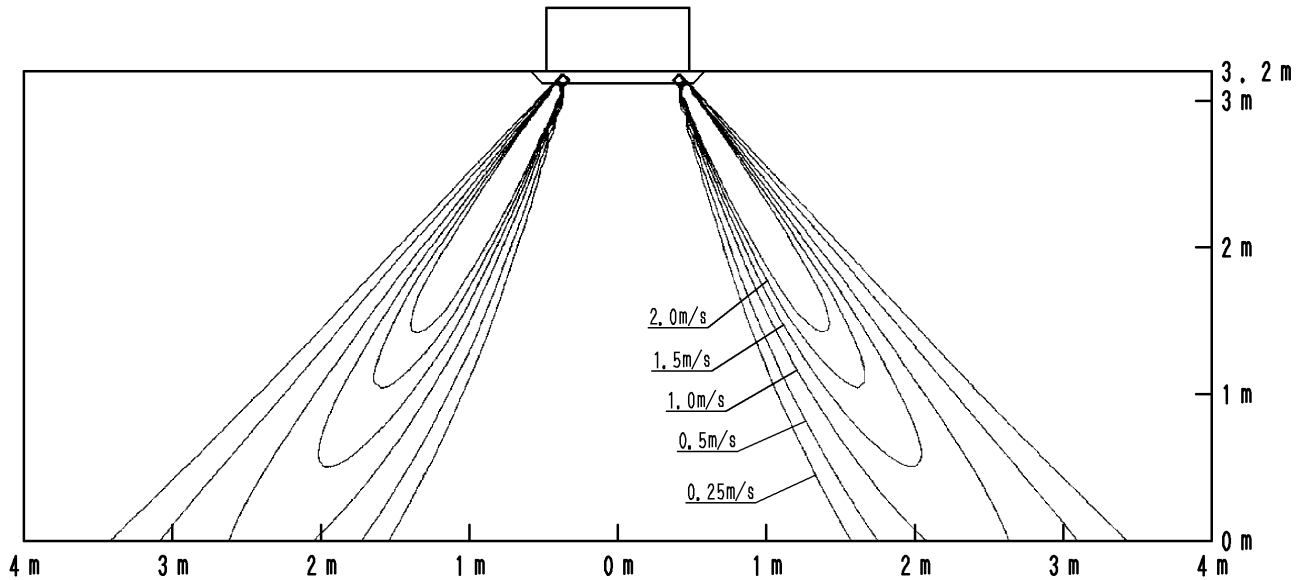
12 - 2 Air Flow Pattern - Heating

12

FXFQ125A

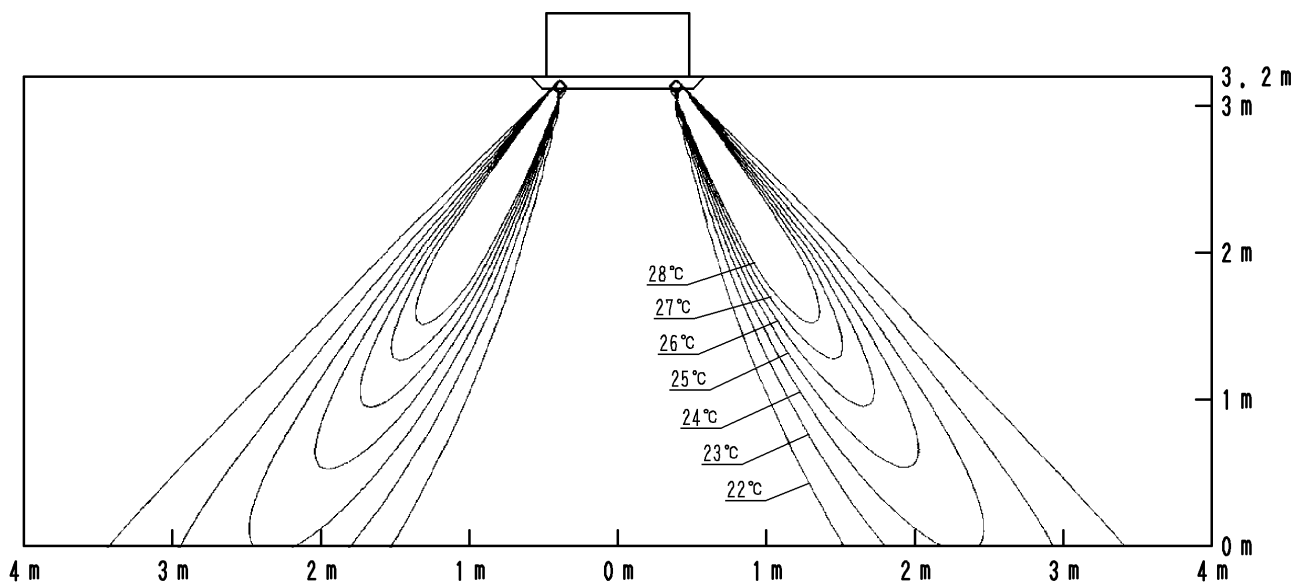
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077052A



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