



Air Conditioning Technical Data

Round flow cassette



EEEN12-204

FXFQ-A

TABLE OF CONTENTS

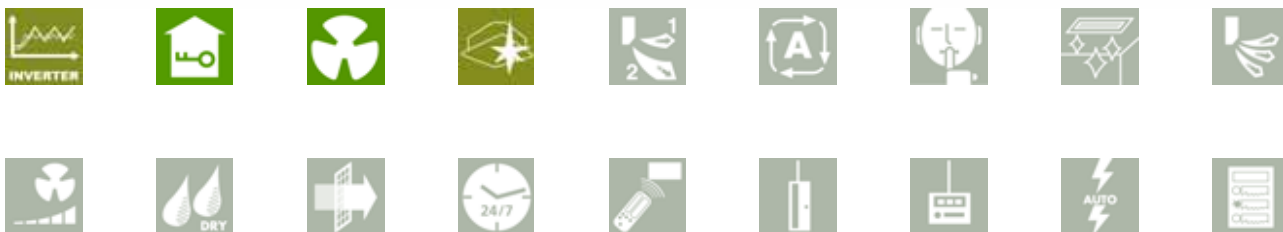
FXFQ-A

1	Features	2
2	Specifications	4
	Technical Specifications	4
	Electrical Specifications	5
3	Electrical data	6
	Electrical Data	6
4	Safety device settings	7
	Safety Device Settings	7
5	Options	8
	Options	8
6	Capacity tables	9
	Cooling Capacity Tables	9
	Heating Capacity Tables	11
7	Dimensional drawings	13
	Dimensional Drawings	13
	Dimensional Drawings with Fresh Air Intake	14
8	Centre of gravity	16
	Centre of Gravity	16
9	Piping diagrams	17
	Piping Diagrams	17
10	Wiring diagrams	18
	Wiring Diagrams - Single Phase	18
11	Sound data	19
	Sound Pressure Spectrum	19
12	Air flow patterns	22
	Air Flow Pattern - Cooling	22
	Air Flow Pattern - Heating	30

1 Features

1

- 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: one or more flaps can be easily closed via the wired remote controller (BRC1E52) in case you would refurbish or rearrange your interior
- Fresh air intake: up to 20 %
- Low installation height: 214mm for class 20-63
- Standard drain pump with 850mm lift



3 steps

1 Features



standard

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			5.4									
Decoration panel 2	Model			BYCQ140D7W1W									
	Colour			Pure White (RAL 9010)									
	Dimensions	Height	mm	60									
		Width	mm	950									
		Depth	mm	950									
	Weight			5.4									
Decoration panel 3	Model			BYCQ140D7GW1									
	Colour			Pure White (RAL 9010)									
	Dimensions	Height	mm	145									
		Width	mm	950									
		Depth	mm	950									
	Weight			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

2-1 Technical Specifications				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A
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 : Clamps; Quantity : 1;
- Standard Accessories : Drain sealing pad; Quantity : 1;
- Standard Accessories : Sealing pads; Quantity : 4;
- Standard Accessories : Insulation for fitting; Quantity : 2;
- Standard Accessories : Installation guide; Quantity : 1;
- Standard Accessories : Screws; Quantity : 1;
- Standard Accessories : Washer for hanger bracket; Quantity : 1;
- Standard Accessories : Clamp for drain hose; Quantity : 1;
- Standard Accessories : Drain hose; Quantity : 1;
- Standard Accessories : Installation manual; Quantity : 1;
- Standard Accessories : Operation manual; Quantity : 1;

2-2 Electrical Specifications				FXFQ20A	FXFQ25A	FXFQ32A	FXFQ40A	FXFQ50A	FXFQ63A	FXFQ80A	FXFQ100A	FXFQ125A
Power supply	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) 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) Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
- (4) Maximum allowable voltage range variation between phases is 2%.
- (5) MCA/MFA: $MCA = 1.25 \times FLA$
- (6) $MFA \leq 4 \times FLA$
- (7) Next lower standard fuse rating minimum 16A
- (8) Select wire size based on the value of MCA
- (9) Instead of a fuse, use a circuit breaker

3 Electrical data

3 - 1 Electrical Data

FXFQ-A

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

3D079026

NOTES

- 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.
- Maximum allowable voltage unbalance between phases is 2%.
- MCA/MFA
MCA = 1.25 x FLA
MFA ≤ 4 x FLA
(next lower standard fuse rating min. 16A)
- Select wire size based on the MCA.
- 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	---

4D078988

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	KAP551K160
3	Fresh air intake kit (20% fresh air)	Chamber type	(Chamber) KDDQ55B140-1 *7, *8 (diffuser from chamber to duct) KDDQ55B140-2 *7, *8
4	Sealing member of air discharge outlet		KDBH055B140 *7
5	Sensor kit		BRYQ140A7

CONTROL SYSTEM

	Item	Model	FXFQ20-125A
1	Remote controller	Infrared	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)		EKRPI1C11 *2, *7
3	Remote sensor		KRCS01-4B
4	Installation box for adapter PCB		KRP1H98 *7
5	Central remote controller		DCC302CA51
6	Unified ON/OFF controller		DCC301BA51
7	Electrical box with earth terminal (2 blocks)		KIB212AA
8	Electrical box with earth terminal (3 blocks)		KIB311AA
9	Schedule timer		DST301BA51
10	Option PCB for Multi tenant		DTA114A61
11	I-touch controller		DSC601CS1

- *1 All options are supplied as kit.
- *2 Installation box is necessary for these adaptors.
- *3 The BYCQ140D7W1W has white insulations.
- *4 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.

3D079071

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXFQ-A

TC: Total Capacity (kW) ; SHC: Sensible heat capacity (kW)

Unit size	Outdoor °CDB	Indoor air temp.													
		14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	10.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.9	1.9
	12.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.9	1.9
	14.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.8	1.8
	16.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.8	1.8
	18.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.7	1.8
	20.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.7	1.8
	21.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.7	1.8
	23.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.6	1.7
	25.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.6	1.9	2.6	1.7
	27.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.5	1.8	2.6	1.7
	29.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.5	1.8	2.5	1.7
	31.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.7
	33.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.7	2.5	1.7
	35.0	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
37.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.7	2.3	1.8	2.3	1.8	2.4	1.7	
39.0	1.5	1.4	1.8	1.6	2.1	1.7	2.2	1.7	2.2	1.8	2.3	1.7	2.3	1.7	
25	10.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.7	2.3
	12.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.6	2.3
	14.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.6	2.2
	16.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.5	2.2
	18.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.5	2.2
	20.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.4	2.1
	21.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.4	2.2	3.4	2.1
	23.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.2	3.4	2.1
	25.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.3	2.2	3.3	2.1
	27.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.2	2.1	3.3	2.1
	29.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.2	2.1	3.2	2.0
	31.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.1	2.1	3.2	2.1
	33.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	3.0	2.2	3.1	2.1	3.1	2.0
	35.0	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
37.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.2	3.0	2.1	3.0	2.0	
39.0	1.9	1.7	2.3	1.9	2.6	2.0	2.8	2.1	2.9	2.2	2.9	2.0	3.0	2.0	
32	10.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.7	2.9
	12.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.7	2.9
	14.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.6	2.9
	16.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.6	2.8
	18.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.5	2.8
	20.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.4	2.7
	21.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.3	2.9	4.4	2.7
	23.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.2	2.8	4.3	2.7
	25.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.2	2.8	4.3	2.7
	27.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.1	2.8	4.2	2.6
	29.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.1	2.8	4.2	2.6
	31.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	4.0	2.7	4.1	2.6
	33.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.8	2.9	3.9	2.7	4.0	2.6
	35.0	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
37.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.8	3.7	2.8	3.8	2.7	3.9	2.6	
39.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.7	2.8	3.8	2.6	3.8	2.6	
40	10.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.9	3.5
	12.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.8	3.5
	14.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.8	3.5
	16.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.7	3.4
	18.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.6	3.4
	20.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.5	3.4
	21.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.4	3.2	5.5	3.3
	23.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.3	3.2	5.4	3.3
	25.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.2	3.2	5.3	3.3
	27.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.2	3.1	5.3	3.3
	29.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.1	3.1	5.2	3.2
	31.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	5.0	3.1	5.1	3.2
	33.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.8	3.5	4.9	3.0	5.0	3.2
	35.0	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
37.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.7	3.5	4.8	3.0	4.9	3.1	
39.0	3.0	2.8	3.6	3.0	4.2	3.3	4.5	3.4	4.6	3.4	4.7	3.0	4.8	3.1	

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXFQ-A

TC: Total Capacity (kW) ; SHC: Sensible heat capacity (kW)

Unit size	Outdoor °CDB	Indoor air temp.													
		14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
		20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
50	10.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.4	4.3
	12.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.3	4.3
	14.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.2	4.3
	16.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.1	4.2
	18.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	7.0	4.2
	20.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	6.9	4.1
	21.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	3.9	6.8	4.1
	23.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.6	3.9	6.7	4.1
	25.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.5	3.9	6.6	4.0
	27.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.4	3.8	6.6	4.0
	29.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.3	3.8	6.5	3.9
	31.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.2	3.8	6.4	3.9
	33.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.1	3.7	6.3	3.9
	35.0	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
	37.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	5.8	4.2	5.9	3.6	6.1	3.8
	39.0	3.8	3.2	4.5	3.6	5.2	4.0	5.6	4.1	5.7	4.1	5.8	3.6	6.0	3.7
63	10.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.0	5.3
	12.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.9	5.3
	14.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.7	5.2
	16.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.6	5.1
	18.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.3	5.4	8.5	5.1
	20.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.2	5.3	8.4	5.0
	21.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.2	5.3	8.3	5.0
	23.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.1	5.2	8.2	4.9
	25.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	7.9	5.1	8.1	4.9
	27.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	7.8	5.1	8.0	4.8
	29.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.5	5.3	7.7	5.0	7.9	4.8
	31.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.4	5.2	7.6	4.9	7.8	4.7
	33.0	4.8	4.0	5.7	4.6	6.6	5.1	7.1	5.2	7.3	5.1	7.5	4.9	7.6	4.7
	35.0	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
	37.0	4.8	4.0	5.7	4.6	6.6	5.1	7.0	5.1	7.1	5.0	7.2	4.8	7.4	4.6
	39.0	4.8	4.0	5.7	4.6	6.6	5.1	6.9	5.1	7.0	5.0	7.1	4.8	7.3	4.6
80	10.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.8	7.1
	12.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.7	7.0
	14.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.5	6.9
	16.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.4	6.8
	18.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.2	6.7
	20.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.1	6.6
	21.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.8	6.9	11.0	6.6
	23.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.6	6.8	10.8	6.4
	25.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.5	6.7	10.7	6.4
	27.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.3	6.6	10.5	6.3
	29.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.2	6.5	10.4	6.2
	31.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	10.0	6.5	10.2	6.2
	33.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.6	6.7	9.8	6.4	10.1	6.2
	35.0	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
	37.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.5	9.3	6.5	9.5	6.3	9.8	6.0
	39.0	6.1	5.2	7.2	5.8	8.4	6.4	9.0	6.6	9.2	6.5	9.4	6.2	9.6	6.0
100	10.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.7	8.5
	12.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.5	8.3
	14.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.4	8.3
	16.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.2	8.1
	18.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	14.0	8.0
	20.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	13.8	7.9
	21.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.4	8.3	13.7	7.9
	23.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.2	8.2	13.5	7.8
	25.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	13.0	8.1	13.3	7.7
	27.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.8	8.0	13.1	7.6
	29.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.6	7.9	12.9	7.5
	31.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.4	7.8	12.7	7.4
	33.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.9	8.0	12.2	7.7	12.5	7.4
	35.0	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
	37.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.8	11.6	7.8	11.9	7.5	12.2	7.2
	39.0	7.6	6.2	9.0	6.9	10.5	7.7	11.2	7.9	11.4	7.7	11.7	7.5	12.0	7.2
125	10.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	18.4	10.9
	12.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	18.2	10.7
	14.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	18.0	10.6
	16.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.7	10.4
	18.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.5	10.3
	20.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.2	10.2
	21.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.8	10.5	17.1	10.1
	23.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.5	10.3	16.9	9.9
	25.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.3	10.2	16.6	9.8
	27.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	16.1	10.0	16.4	9.7
	29.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	15.8	9.8	16.2	9.6
	31.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	15.6	9.8	15.9	9.4
	33.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.9	9.9	15.3	9.6	15.7	9.2
	35.0	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
	37.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.5	9.7	14.9	9.4	15.2	9.0
	39.0	9.5	7.7	11.3	8.6	13.1	9.6	14.0	9.8	14.3	9.5	14.6	9.2	15.0	8.9

3TW25592-1A

6 Capacity tables

6 - 2 Heating Capacity Tables

FXFQ-A								
Unit size	Outdoor air temp.		Indoor air temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	KW	KW	KW	KW	KW	KW
20	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
	-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
	-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
	-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
	-12.6	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
	-10.5	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
	-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
	-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
	-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
	-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
	-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
	0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
	3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
	5.0	4.1	2.5	2.5	2.5	2.4	2.3	2.2
	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
	9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
	11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2	
15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2	
25	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
	-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
	-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
	-14.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
	-12.6	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
	-10.5	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
	-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
	-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
	-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
	-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
	-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
	0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
	3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
	5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
	9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
	11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.8	
15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8	
32	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
	-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
	-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
	-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
	-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
	-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
	-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
	-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
	-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
	-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
	-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
	0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
	3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
	5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
	9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
	11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5	
15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5	
40	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
	-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
	-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
	-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
	-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
	-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
	-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
	-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
	-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
	-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
	-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
	0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
	3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
	5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
	9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
	11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4	
15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4	
50	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
	-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
	-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
	-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
	-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
	-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
	-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
	-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
	-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
	-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
	-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
	0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
	3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
	5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
	9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
	11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5	
15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5	

3TW25512-2B

6 Capacity tables

6 - 2 Heating Capacity Tables

6

FXFQ-A								
Unit size	Outdoor air temp.		Indoor air temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	KW	KW	KW	KW	KW	KW
63	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
	-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
	-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
	-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
	-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
	-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
	-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
	-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
	-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
	-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
	-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
	0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
	3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
	5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
	9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
	11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
	13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
	15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0
	80	-19.8	-20.0	5.9	5.9	5.9	5.9	5.9
-18.8		-19.0	6.1	6.1	6.0	6.0	6.0	6.0
-16.7		-17.0	6.4	6.4	6.4	6.4	6.4	6.4
-14.7		-15.0	6.8	6.8	6.8	6.7	6.7	6.7
-12.6		-13.0	7.1	7.1	7.1	7.1	7.1	7.1
-10.5		-11.0	7.5	7.5	7.5	7.5	7.4	7.4
-9.5		-10.0	7.7	7.7	7.6	7.6	7.6	7.6
-8.5		-9.1	7.8	7.8	7.8	7.8	7.8	7.8
-7.0		-7.6	8.1	8.1	8.1	8.1	8.0	8.0
-5.0		-5.6	8.4	8.4	8.4	8.4	8.4	8.4
-3.0		-3.7	8.8	8.8	8.7	8.7	8.7	8.7
0.0		-0.7	9.3	9.3	9.3	9.3	9.3	8.7
3.0		2.2	9.8	9.8	9.8	9.7	9.4	8.7
5.0		4.1	10.2	10.1	10.0	9.7	9.4	8.7
7.0		6.0	10.5	10.5	10.0	9.7	9.4	8.7
9.0		7.9	10.8	10.6	10.0	9.7	9.4	8.7
11.0		9.8	11.2	10.6	10.0	9.7	9.4	8.7
13.0		11.8	11.3	10.6	10.0	9.7	9.4	8.7
15.0		13.7	11.3	10.6	10.0	9.7	9.4	8.7
100		-19.8	-20.0	7.4	7.4	7.3	7.3	7.3
	-18.8	-19.0	7.6	7.6	7.6	7.5	7.5	7.5
	-16.7	-17.0	8.0	8.0	8.0	8.0	8.0	8.0
	-14.7	-15.0	8.5	8.5	8.4	8.4	8.4	8.4
	-12.6	-13.0	8.9	8.9	8.9	8.9	8.9	8.8
	-10.5	-11.0	9.4	9.3	9.3	9.3	9.3	9.3
	-9.5	-10.0	9.6	9.6	9.5	9.5	9.5	9.5
	-8.5	-9.1	9.8	9.8	9.7	9.7	9.7	9.7
	-7.0	-7.6	10.1	10.1	10.1	10.1	10.1	10.0
	-5.0	-5.6	10.6	10.5	10.5	10.5	10.5	10.5
	-3.0	-3.7	11.0	11.0	10.9	10.9	10.9	10.9
	0.0	-0.7	11.6	11.6	11.6	11.6	11.6	10.9
	3.0	2.2	12.3	12.3	12.2	12.1	11.7	10.9
	5.0	4.1	12.7	12.7	12.5	12.1	11.7	10.9
	7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
	9.0	7.9	13.5	13.3	12.5	12.1	11.7	10.9
	11.0	9.8	14.0	13.3	12.5	12.1	11.7	10.9
	13.0	11.8	14.1	13.3	12.5	12.1	11.7	10.9
	15.0	13.7	14.1	13.3	12.5	12.1	11.7	10.9
	125	-19.8	-20.0	9.4	9.4	9.4	9.4	9.4
-18.8		-19.0	9.7	9.7	9.7	9.7	9.6	9.6
-16.7		-17.0	10.3	10.3	10.2	10.2	10.2	10.2
-14.7		-15.0	10.9	10.8	10.8	10.8	10.8	10.7
-12.6		-13.0	11.4	11.4	11.4	11.4	11.3	11.3
-10.5		-11.0	12.0	12.0	11.9	11.9	11.9	11.9
-9.5		-10.0	12.3	12.2	12.2	12.2	12.2	12.2
-8.5		-9.1	12.5	12.5	12.5	12.5	12.4	12.4
-7.0		-7.6	13.0	12.9	12.9	12.9	12.9	12.8
-5.0		-5.6	13.5	13.5	13.5	13.4	13.4	13.4
-3.0		-3.7	14.1	14.0	14.0	14.0	14.0	13.9
0.0		-0.7	14.9	14.9	14.8	14.8	14.8	13.9
3.0		2.2	15.7	15.7	15.7	15.5	15.0	13.9
5.0		4.1	16.3	16.2	16.0	15.5	15.0	13.9
7.0		6.0	16.8	16.8	16.0	15.5	15.0	13.9
9.0		7.9	17.3	17.0	16.0	15.5	15.0	13.9
11.0		9.8	17.9	17.0	16.0	15.5	15.0	13.9
13.0		11.8	18.1	17.0	16.0	15.5	15.0	13.9
15.0		13.7	18.1	17.0	16.0	15.5	15.0	13.9

7 Dimensional drawings

7 - 1 Dimensional Drawings

FXFQ-A Standard panel

Notes:

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

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.

AA	AB	Model
204	140	FXFQ20-63A
246	180	FXFQ80-100A
288	180	FXFQ125A

Legend:

- Liquid pipe connection
- Gas pipe connection
- Drain pipe connection
- Power supply entry hole
- Transmission wiring entry hole
- Air discharge opening
- Air suction grille
- Corner decoration cover
- Drain hose
- Knock out hole

3D077130B

FXFQ-A Auto cleaning panel

Notes:

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

5. Installation direction

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

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.

AA	AB	Model
204	140	FXFQ20-63A
246	180	FXFQ80-100A
288	180	FXFQ125A

Legend:

- Liquid pipe connection
- Gas pipe connection
- Drain pipe connection
- Power supply entry hole
- Transmission wiring entry hole
- Air discharge opening
- Air suction grille
- Corner decoration cover
- Drain hose
- Knock out hole

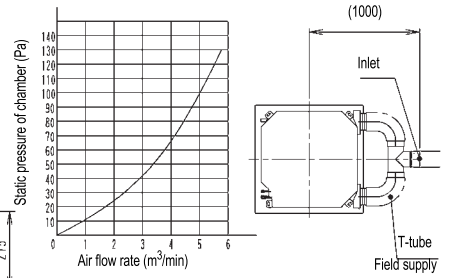
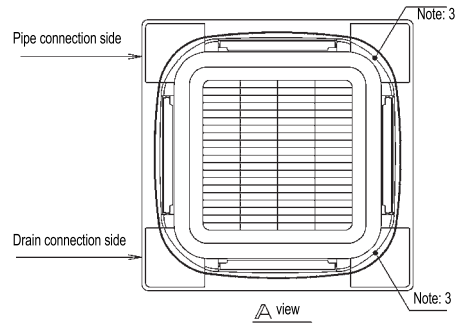
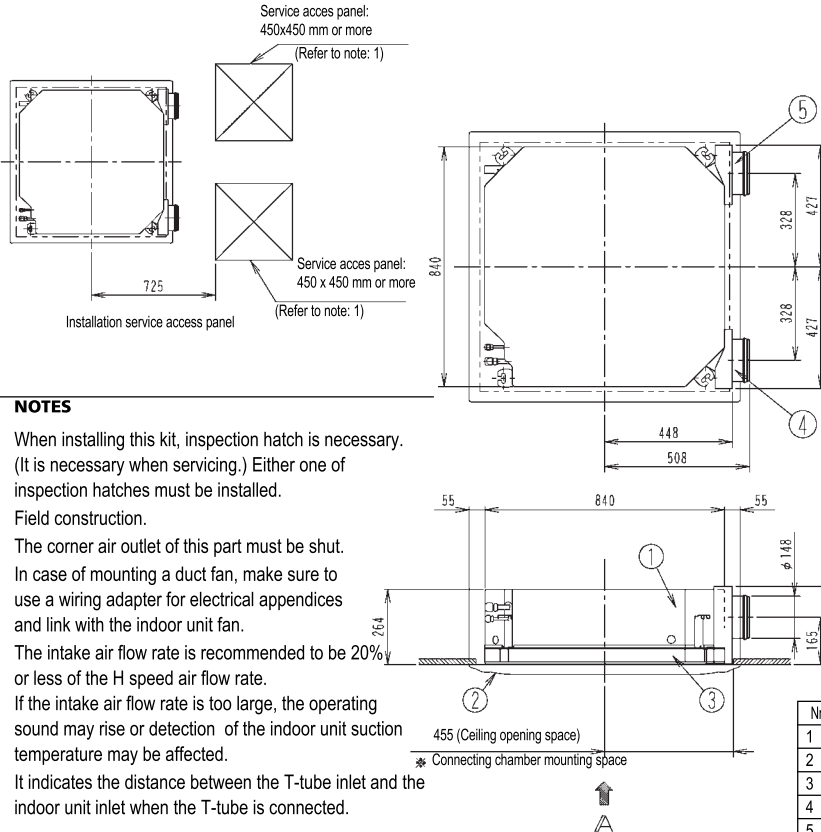
3D077131B

7 Dimensional drawings

7 - 2 Dimensional Drawings with Fresh Air Intake

7

FXFQ20-63A

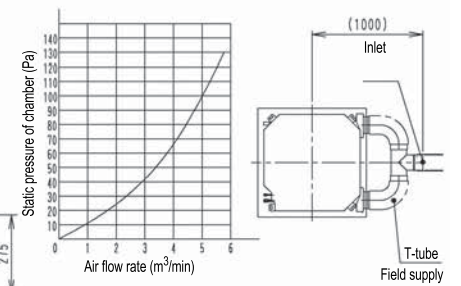
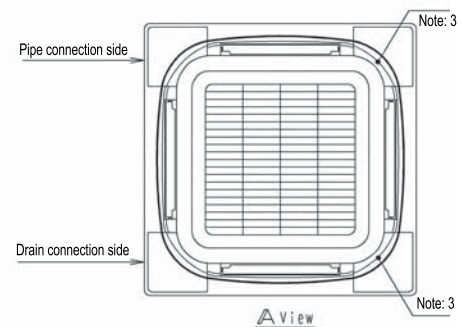
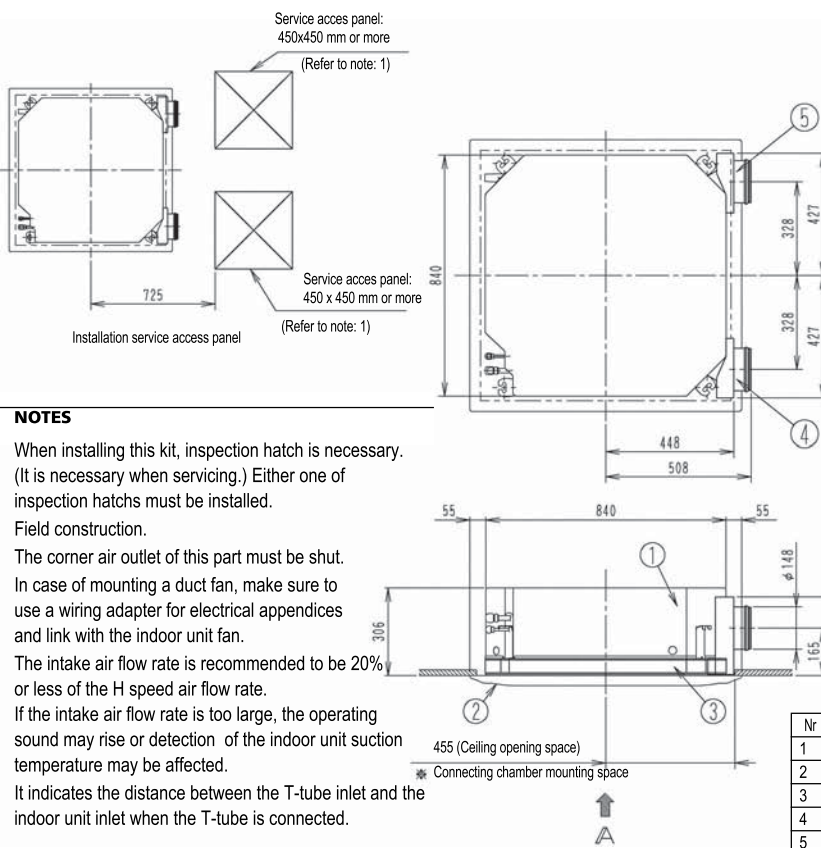


Ventilation resistance in chamber (Note: 6)

Nr	Name	Description
1	Indoor unit	
2	Decoration panel	
3	Suction chamber	
4	Connecting chamber (Right)	
5	Connecting chamber (Left)	

3D057035

FXFQ80-100A



Ventilation resistance in chamber (Note: 6)

Nr	Name	Description
1	Indoor unit	
2	Decoration panel	
3	Suction chamber	
4	Connecting chamber (Right)	
5	Connecting chamber (Left)	

3D057034A

7 Dimensional drawings

7 - 2 Dimensional Drawings with Fresh Air Intake

FXFQ125A

NOTES

- When installing this kit, inspection hatch is necessary. (It is necessary when servicing.) Either one of inspection hatches must be installed.
- Field construction.
- The corner air outlet of this part must be shut.
- In case of mounting a duct fan, make sure to use a wiring adapter for electrical appendices and link with the indoor unit fan.
- The intake air flow rate is recommended to be 20% or less of the H speed air flow rate. If the intake air flow rate is too large, the operating sound may rise or detection of the indoor unit suction temperature may be affected.
- It indicates the distance between the T-tube inlet and the indoor unit inlet when the T-tube is connected.

Ventilation resistance in chamber (Note: 6)

Nr	Name	Description
1	Indoor unit	
2	Decoration panel	
3	Suction chamber	
4	Connecting chamber (Right)	
5	Connecting chamber (Left)	

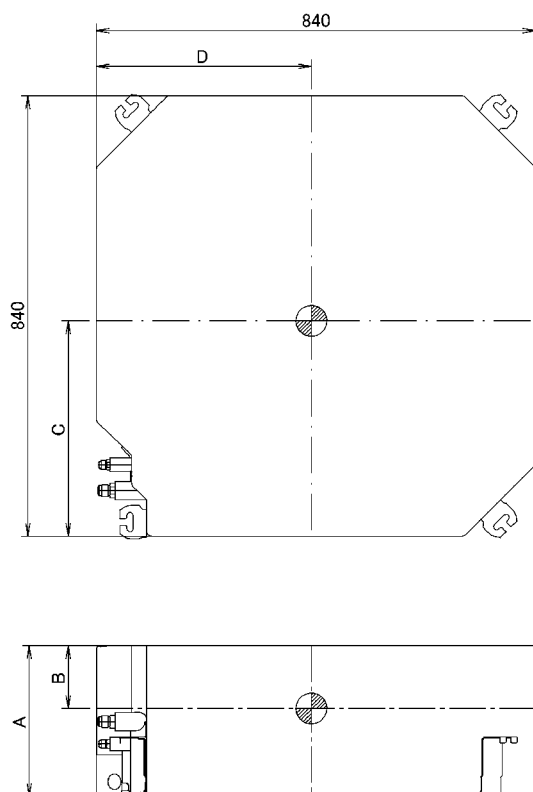
3D057032A

8 Centre of gravity

8 - 1 Centre of Gravity

8

FXFQ-A

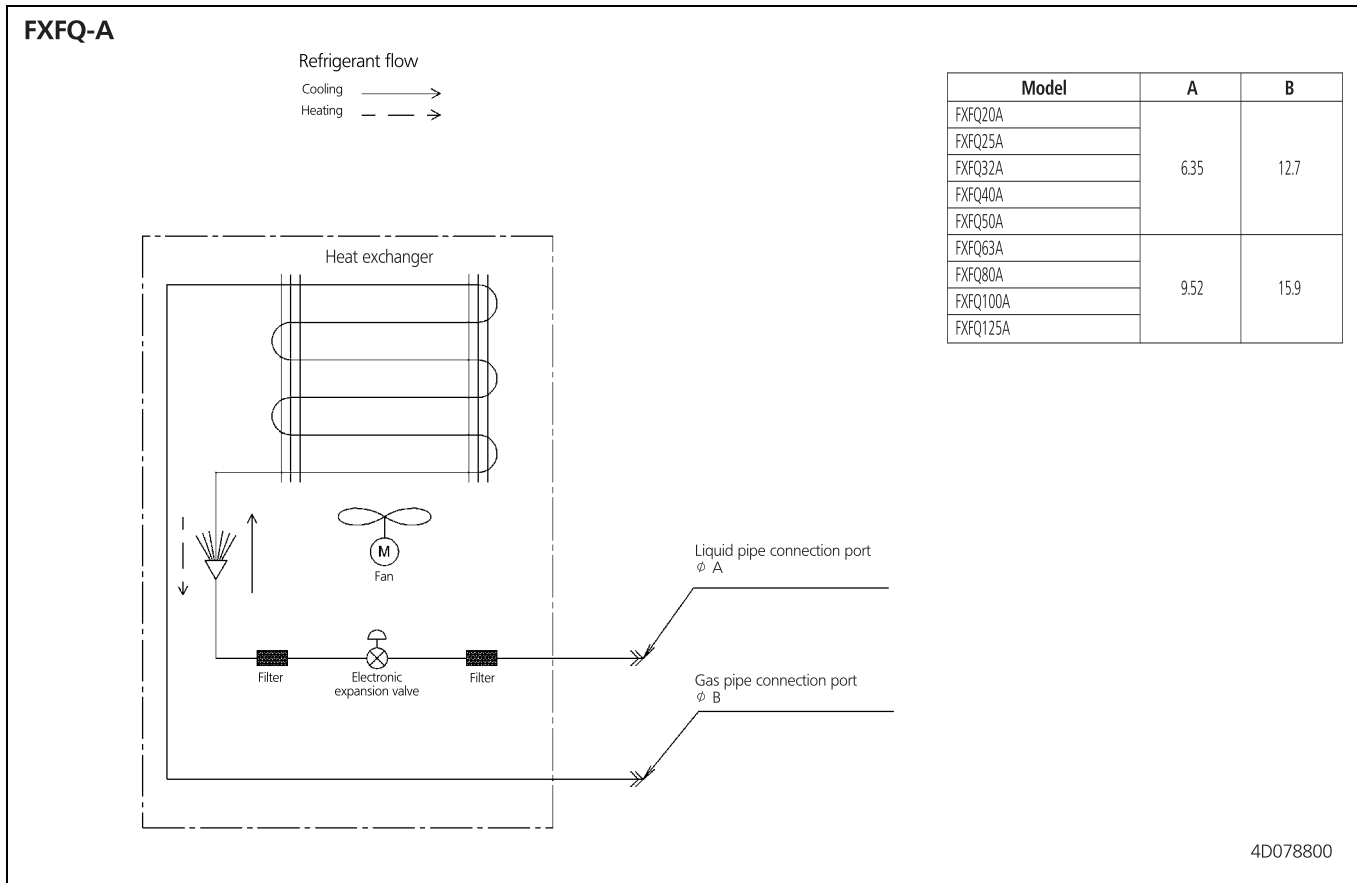


Model	A	B	C	D
FXFQ20-63A	204	60	409	358
FXFQ80-100A	246	90	411	411
FXFQ125A	288	120	420	420

4D077032A

9 Piping diagrams

9 - 1 Piping Diagrams



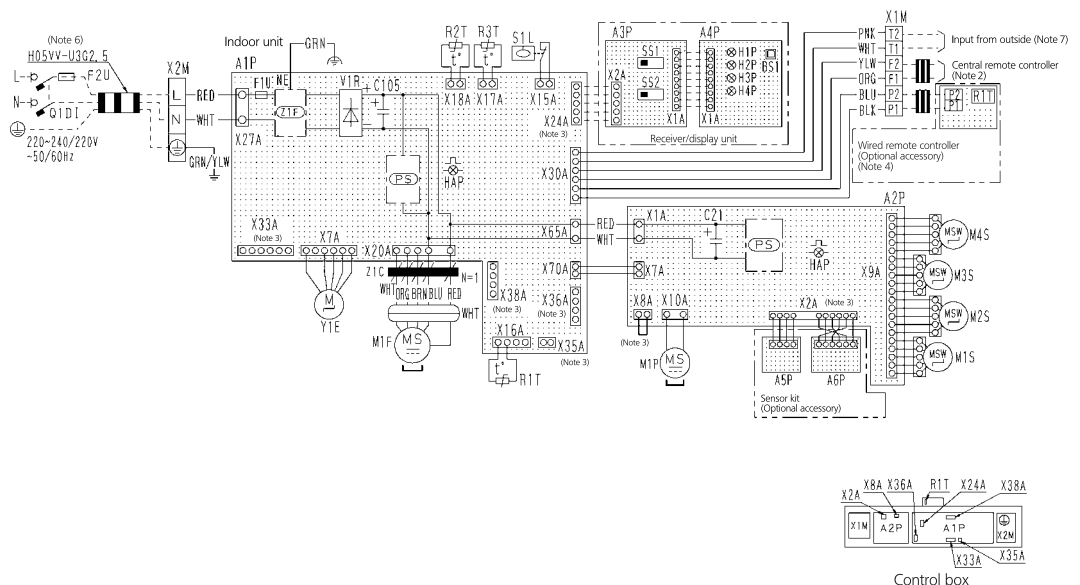
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

10

FXFQ-A

Indoor unit	
A1P	Printed circuit board
A2P	Printed circuit board
C21	Capacitor
C105	Capacitor
F1U	Fuse (T3.15A, 250V)
F2U	Field fuse
HAP	Light emitting diode (service monitor green)
M1F	Motor (indoor fan)
M1P	Motor (drain pump)
M1S-M4S	Motor (swing flap)
Q1DI	Earth leak detector
R1T	Thermistor (air)
R2T-R3T	Thermistor (coil)
S1L	Float switch
Y1R	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
B51	Push button (on/off)
H1P	Light emitting diode (on-red)
H2P	Light emitting diode (timer-green)
H3P	Light emitting diode (filter sign-red)
H4P	Light emitting diode (defrost-orange)
S51	Selector switch (main/sub)
S52	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 (adaptor for wiring)
X35A	Connector (group control adaptor)
X36A	Connector (Auto clean panel)
X38A	Connector (Multi tenant)



Notes

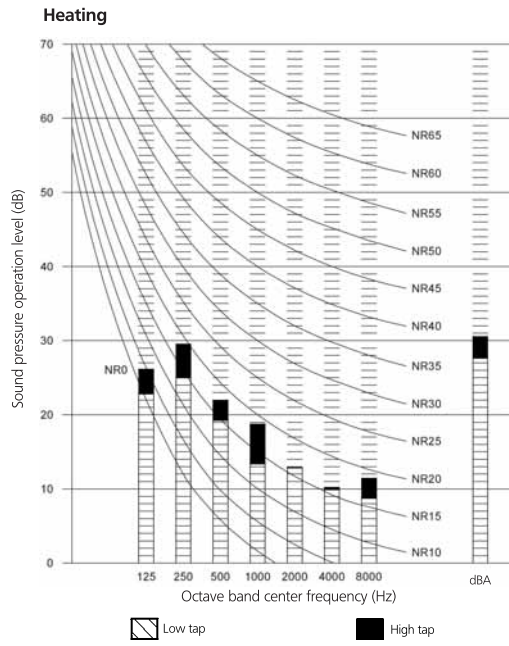
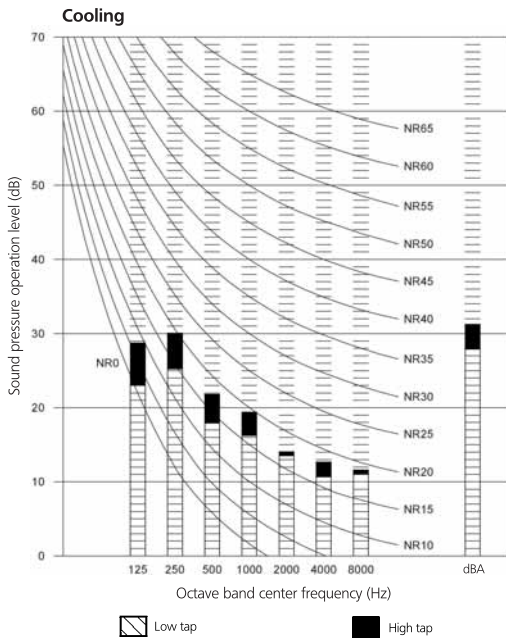
- : Terminal block, []: Connector, []: Field wiring
- In case using central remote controller, connect it to the unit in accordance with the attached installation manual.
- X2A, X8A, X33A, X35A, X36A, X38A are connected when the optional accessories are being used. In case of using an auto clean panel, see the wiring diagram of it.
- In case of main/sub overchanges, 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

FXFQ20-32A



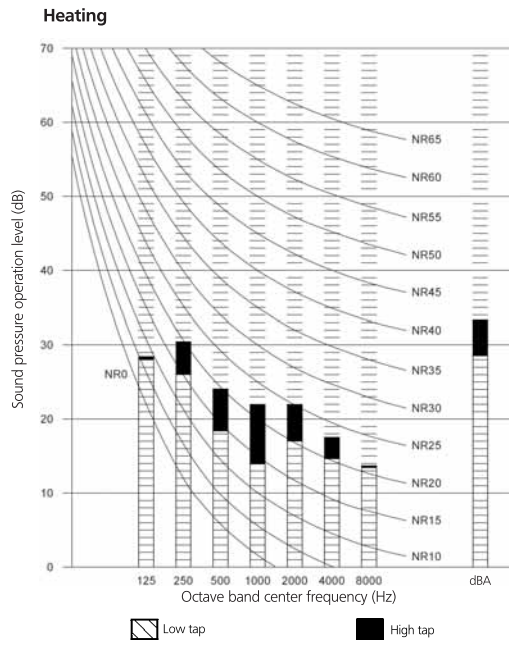
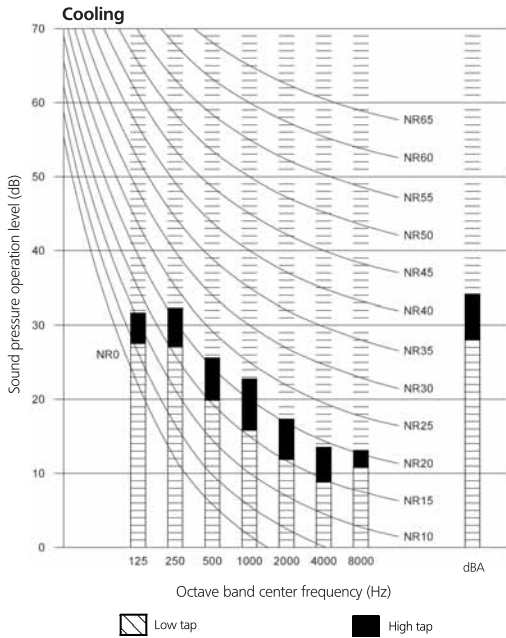
NOTES

- 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
Low tap	45 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:

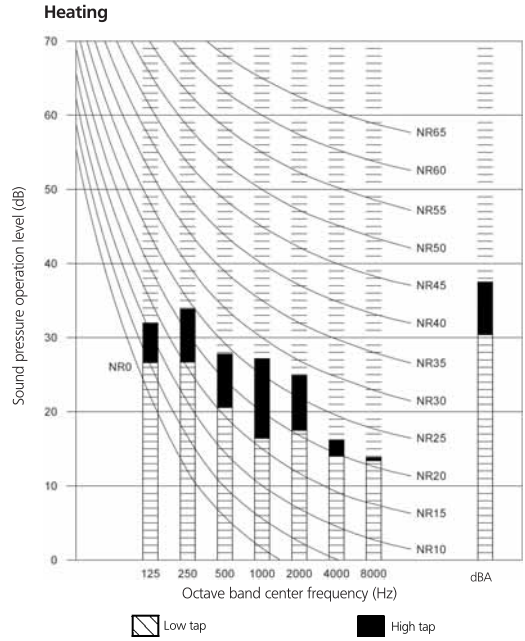
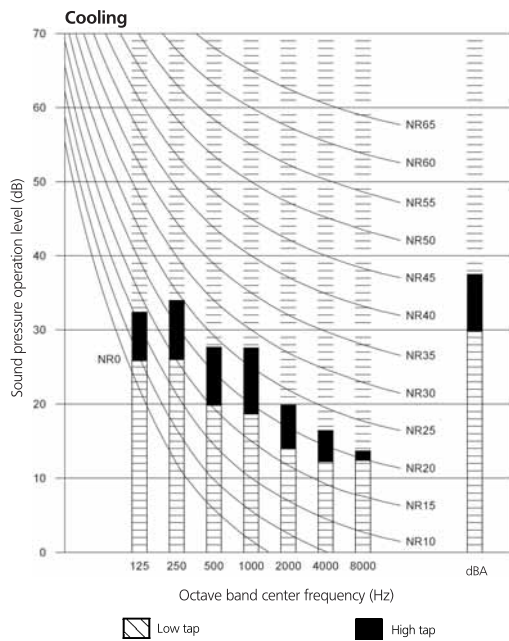
High tap	51 dB
Low tap	47 dB

3D079459

11 Sound data

11 - 1 Sound Pressure Spectrum

FXFQ63A



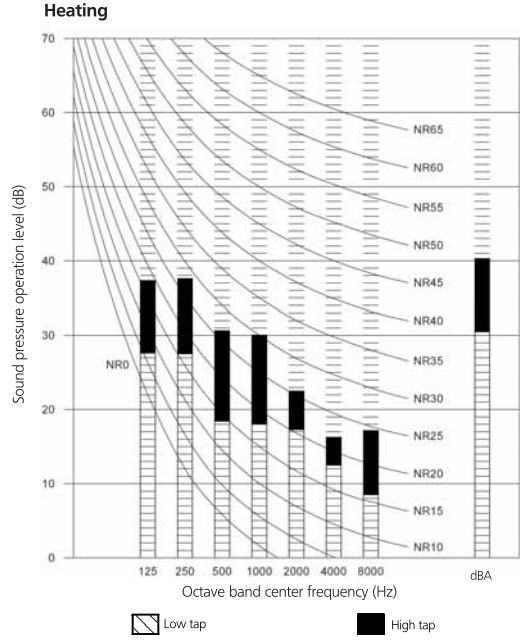
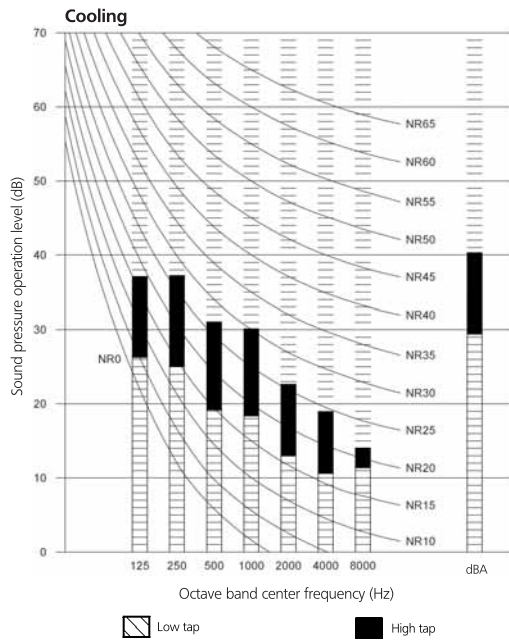
NOTES

- 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 FXFQ63AVEB in cooling/heating mode.
- 6 Sound power level:

High tap	55dB
Low tap	53dB

3D079460

FXFQ80A



NOTES

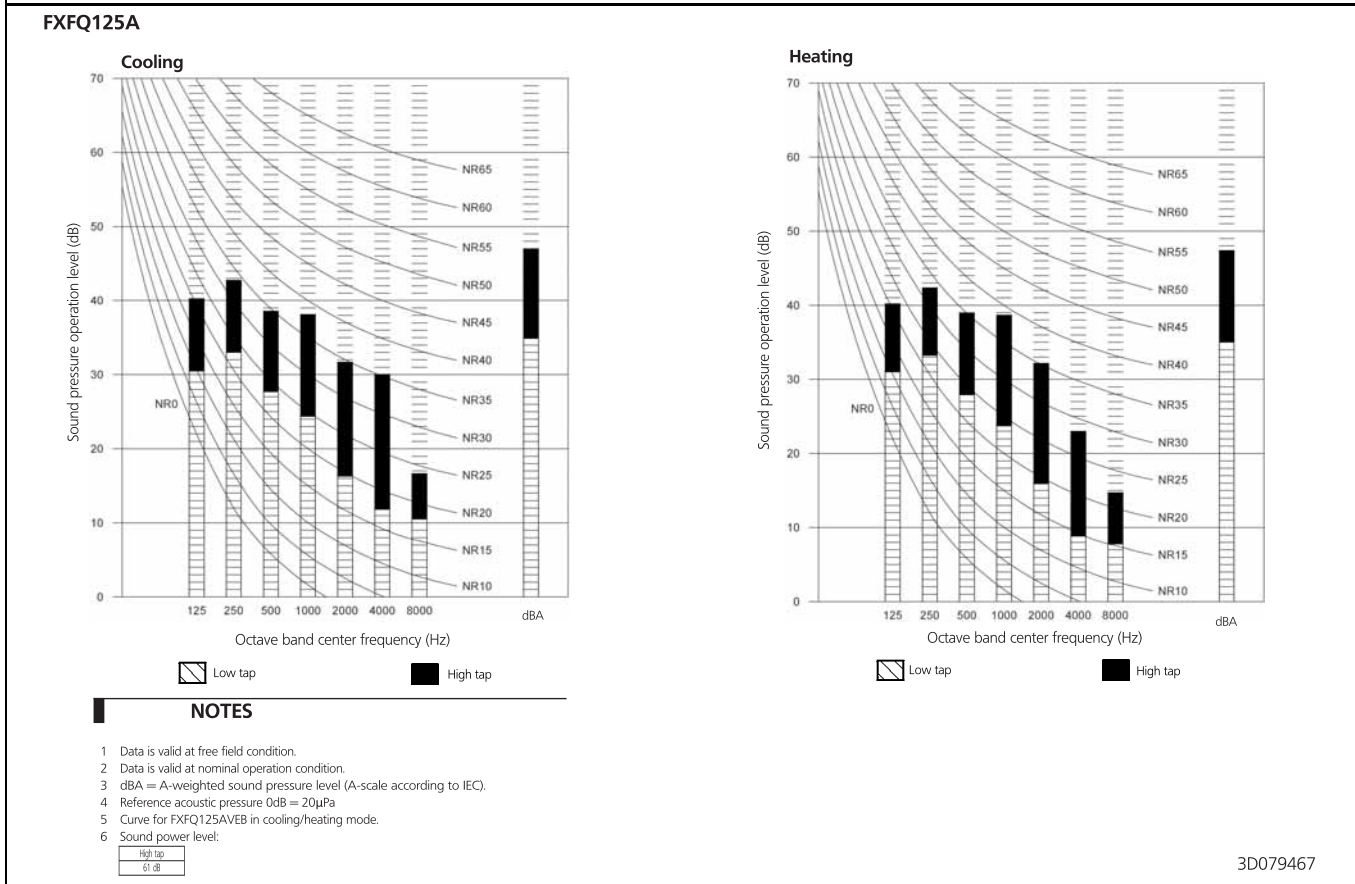
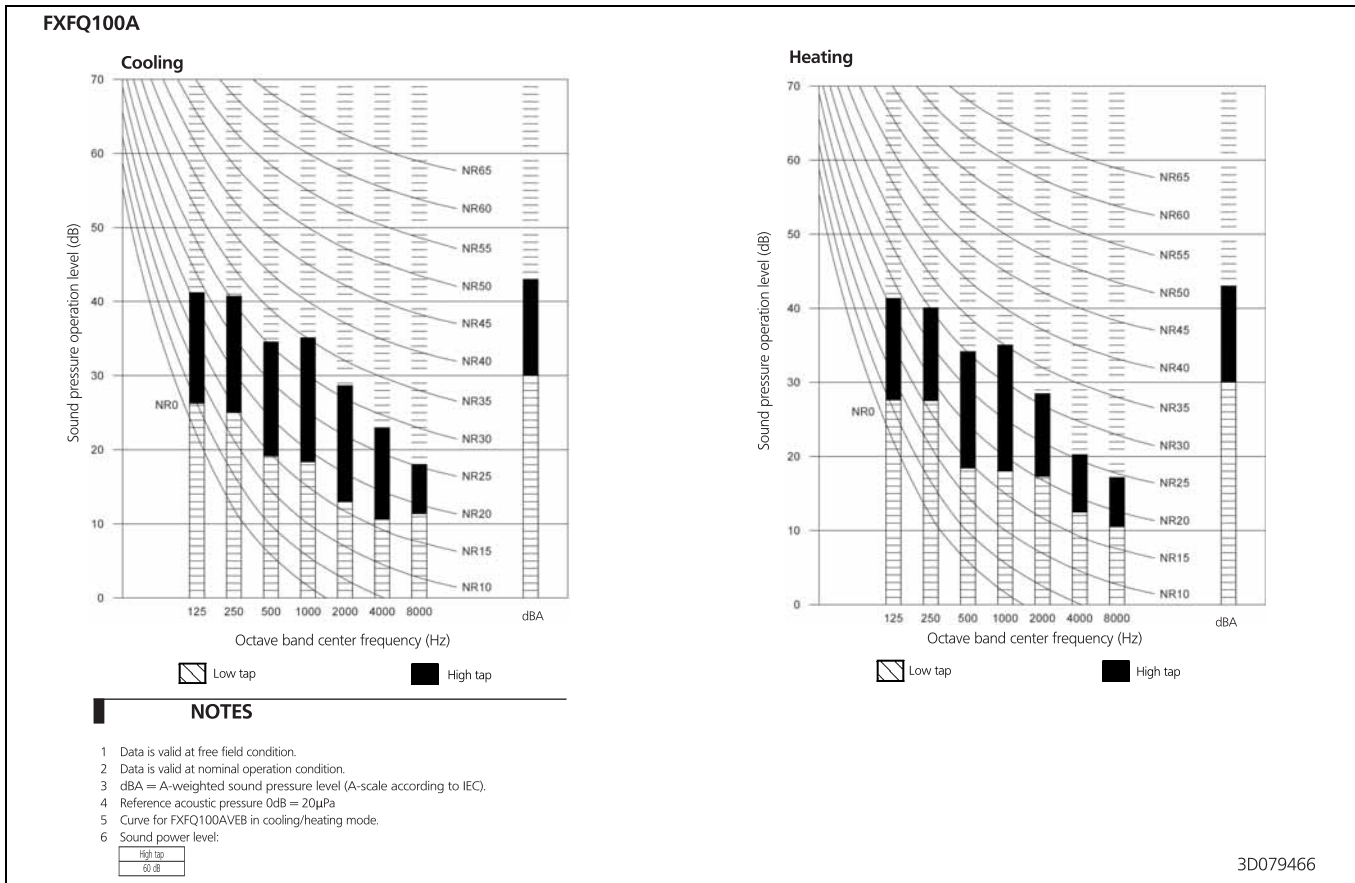
- 1 Data is valid at free field condition.
- 2 Data is valid at nominal operation condition.
- 3 dBA = A-weighted sound pressure level (A-scale according to IEC).
- 4 Reference acoustic pressure 0dB = 20μPa
- 5 Curve for FXFQ80AVEB in cooling/heating mode.
- 6 Sound power level:

High tap	55dB
Low tap	53dB

3D079461

11 Sound data

11 - 1 Sound Pressure Spectrum



12 Air flow patterns

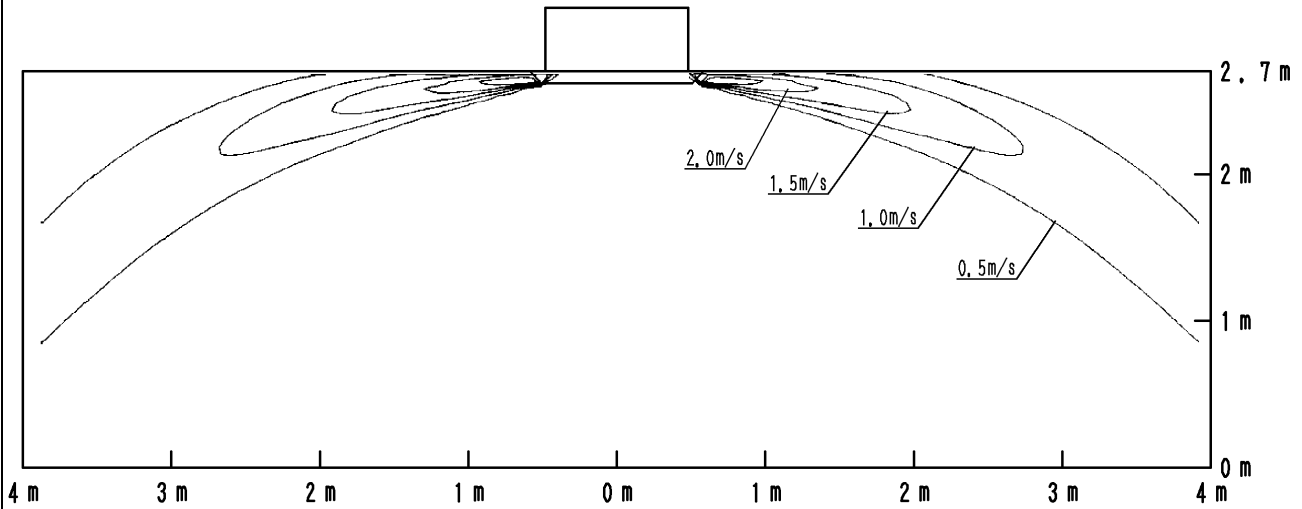
12 - 1 Air Flow Pattern - Cooling

12

FXFQ20-25A

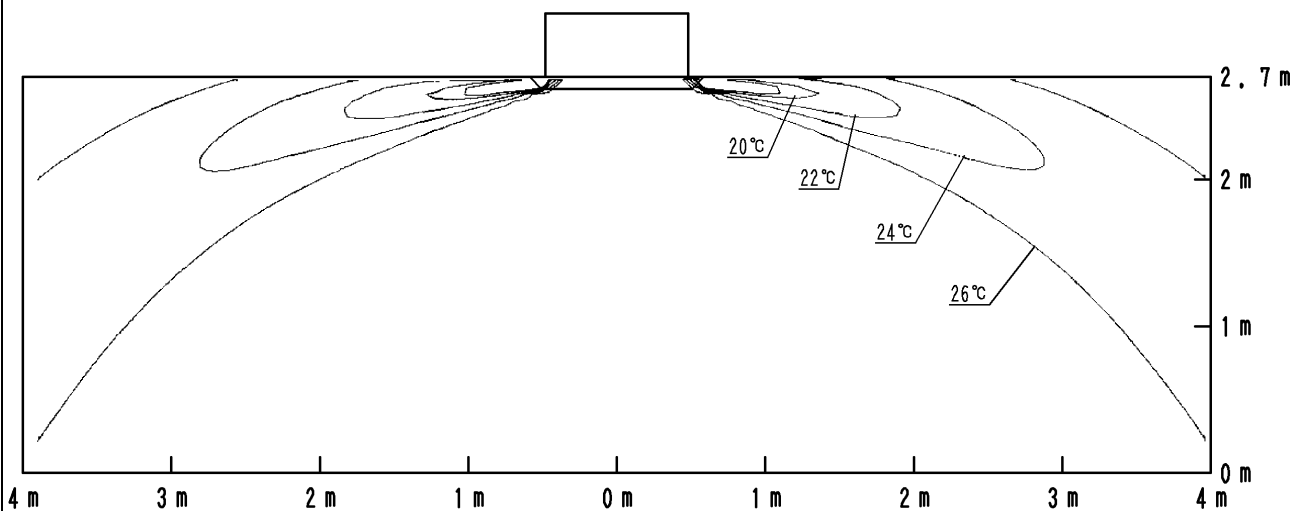
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077053A

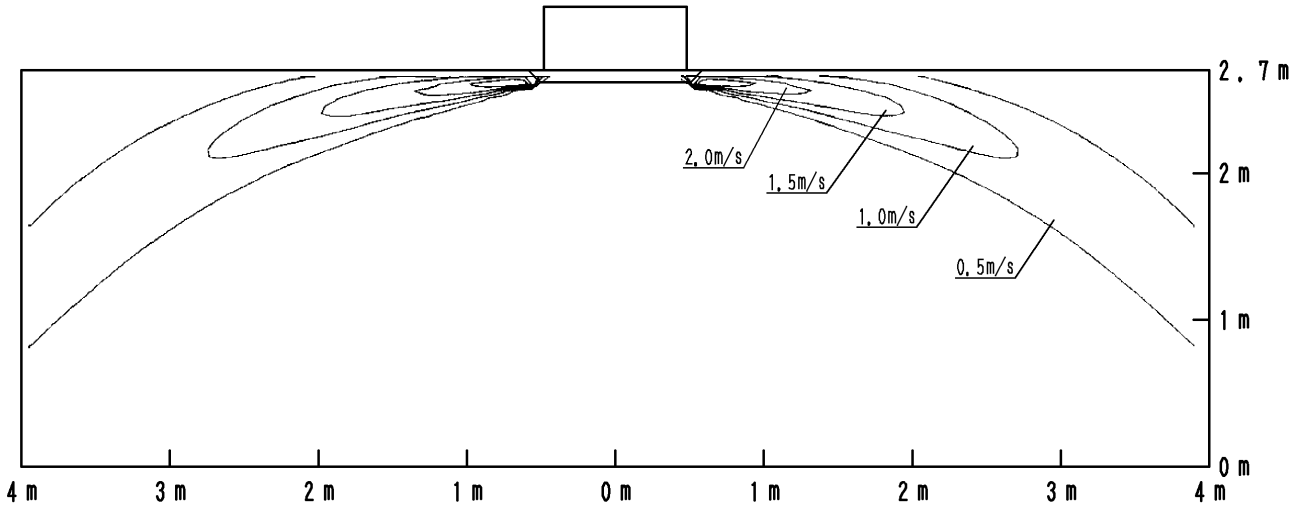
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ32A

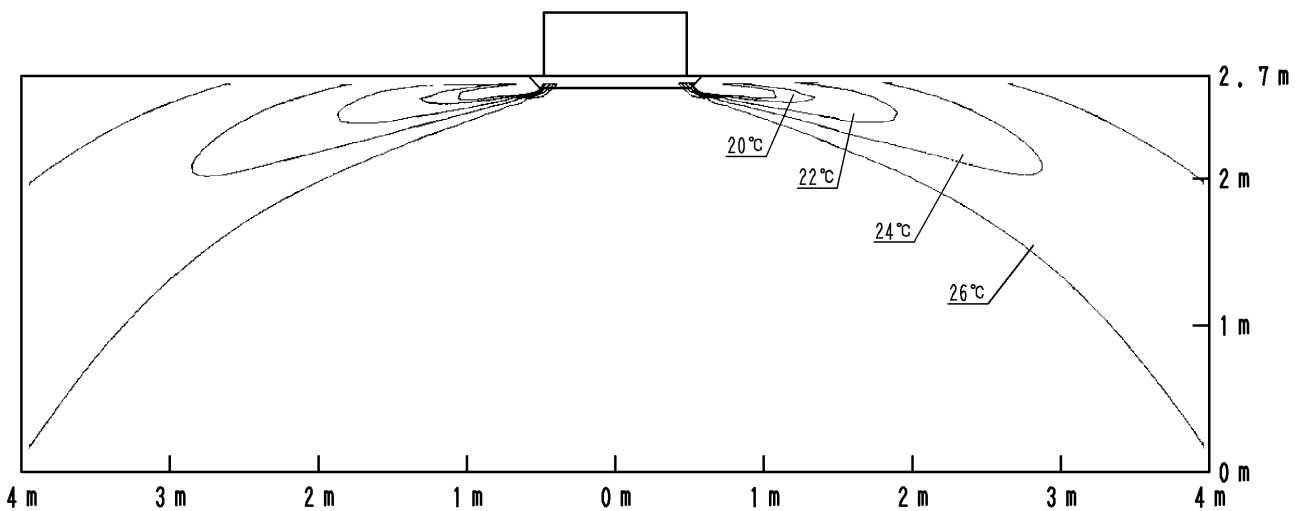
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

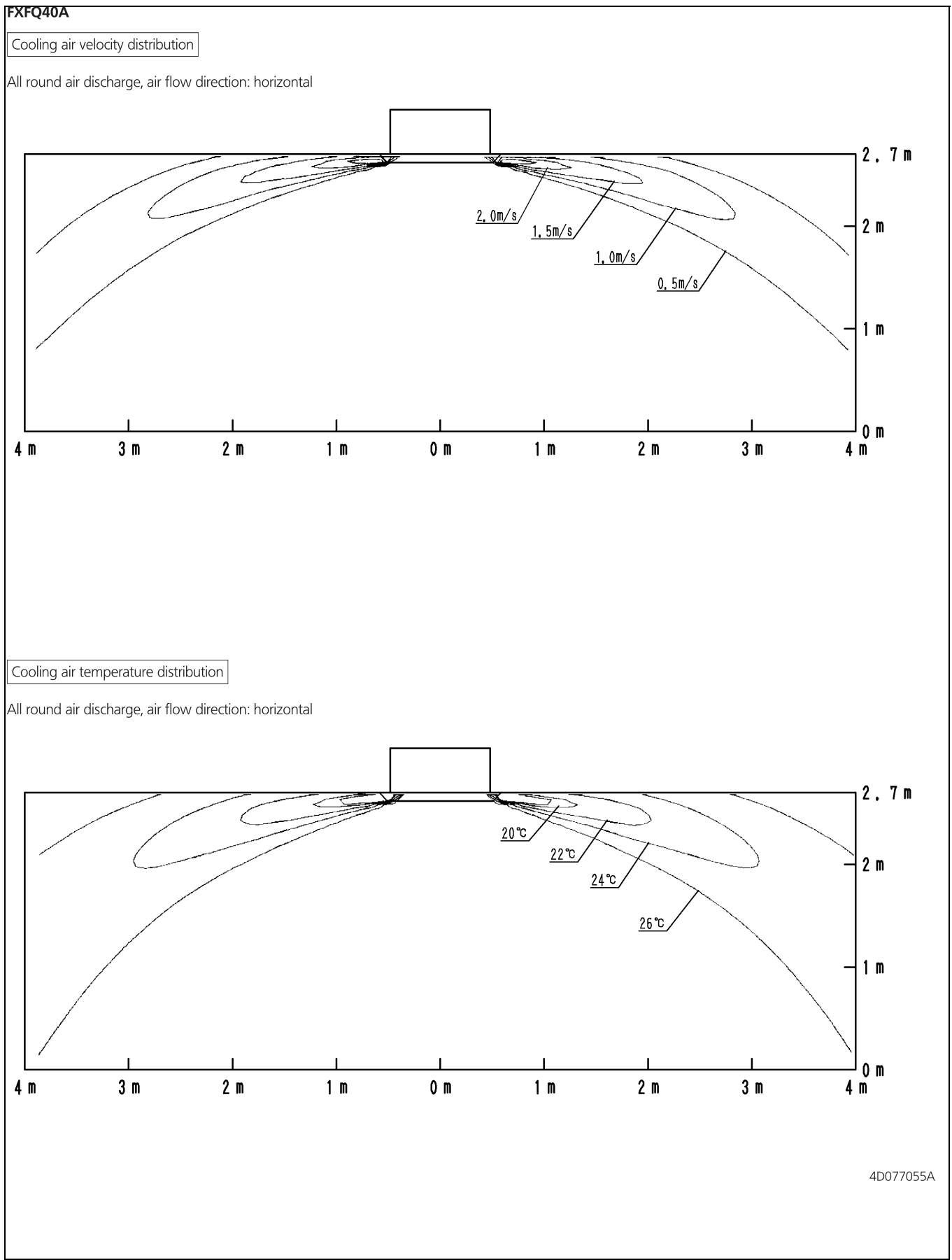


4D078684

12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

12



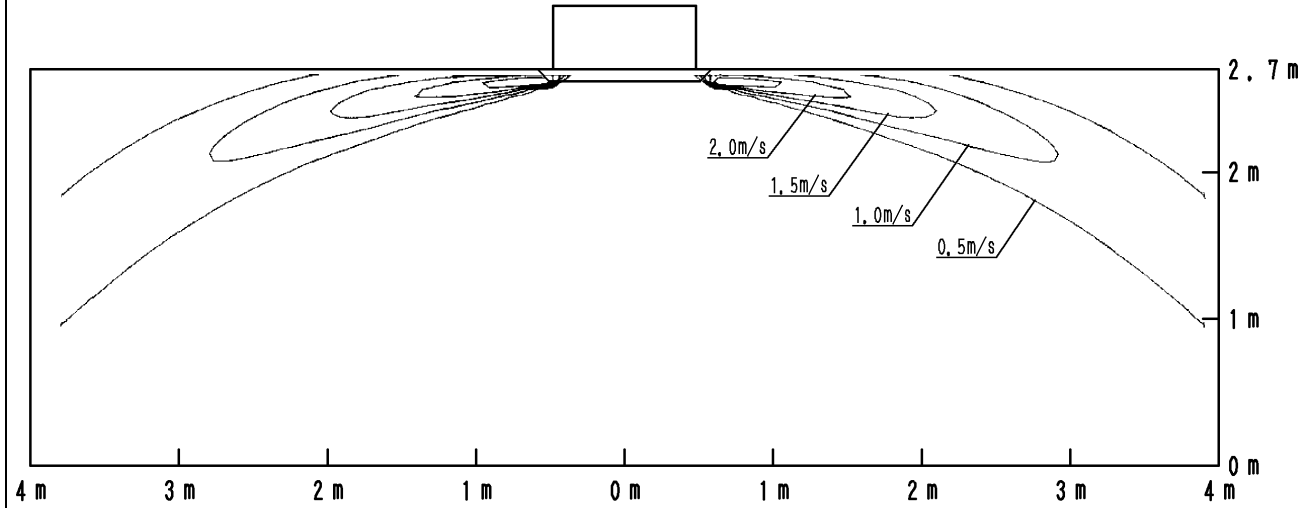
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ50A

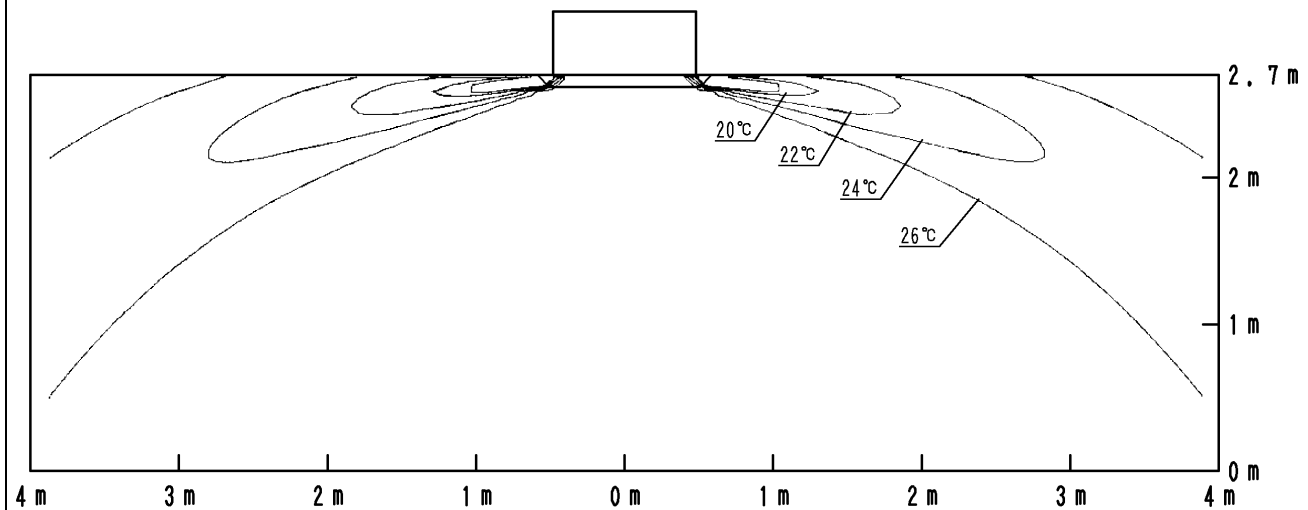
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077056A

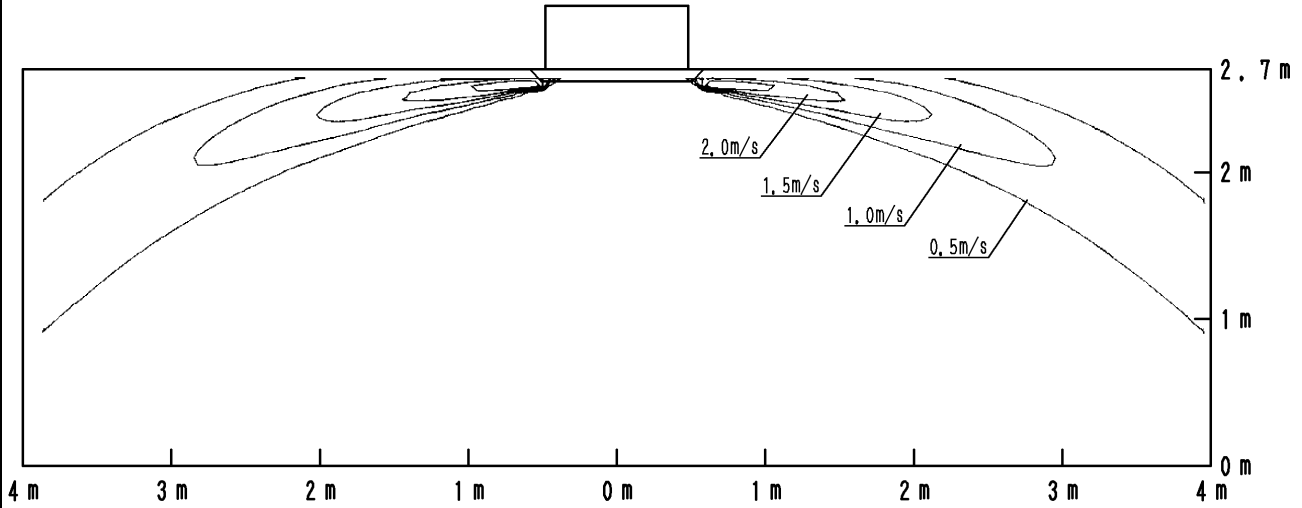
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ63A

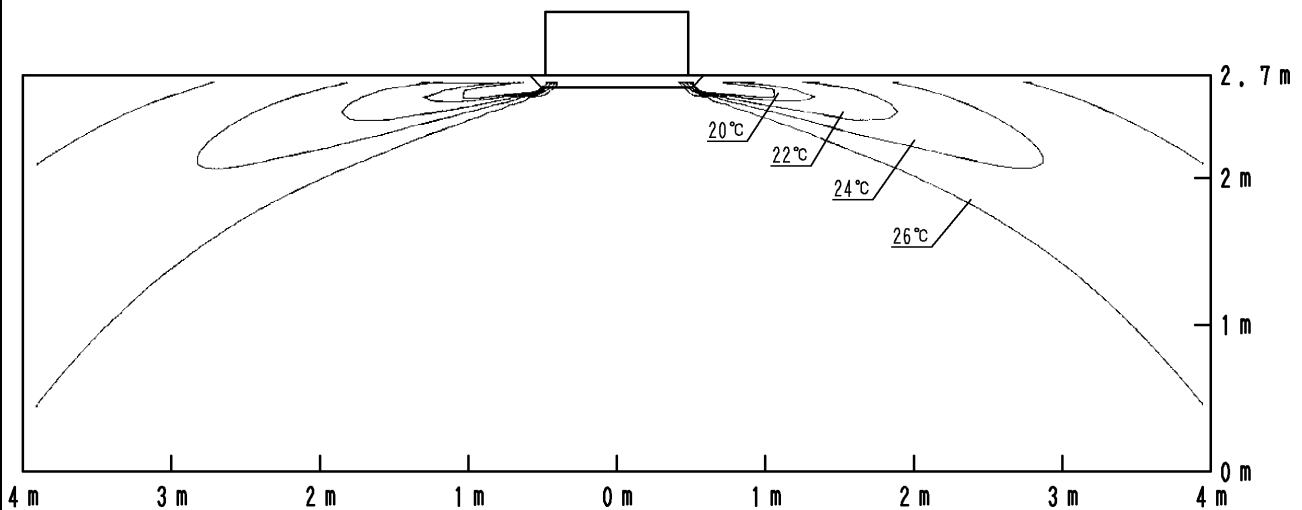
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D078685

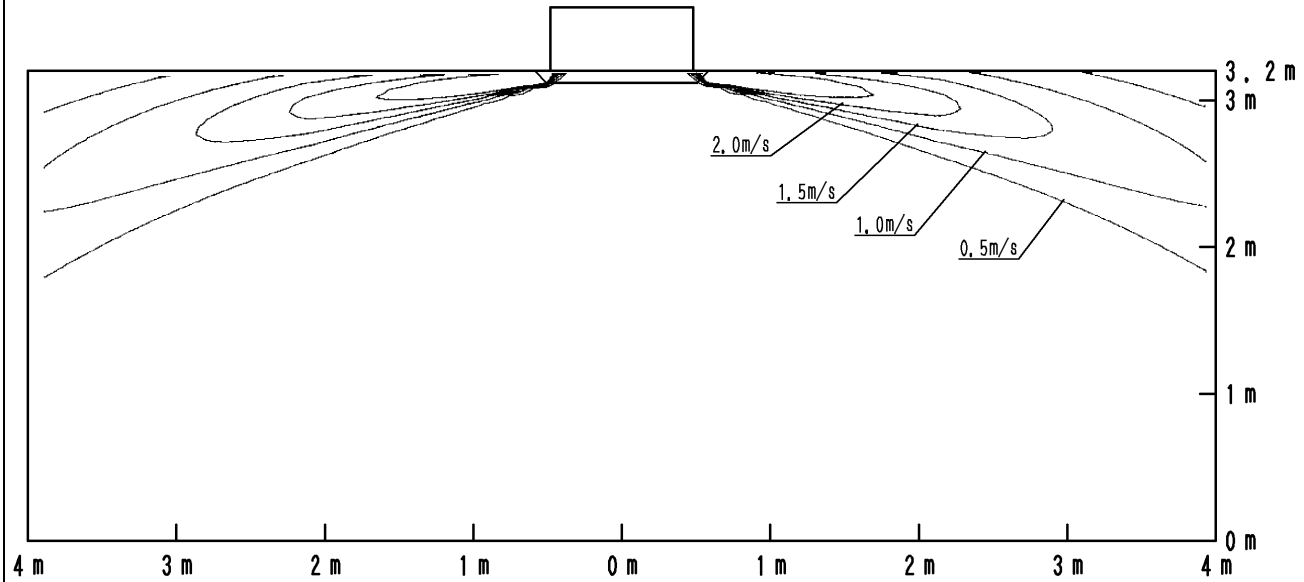
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ80A

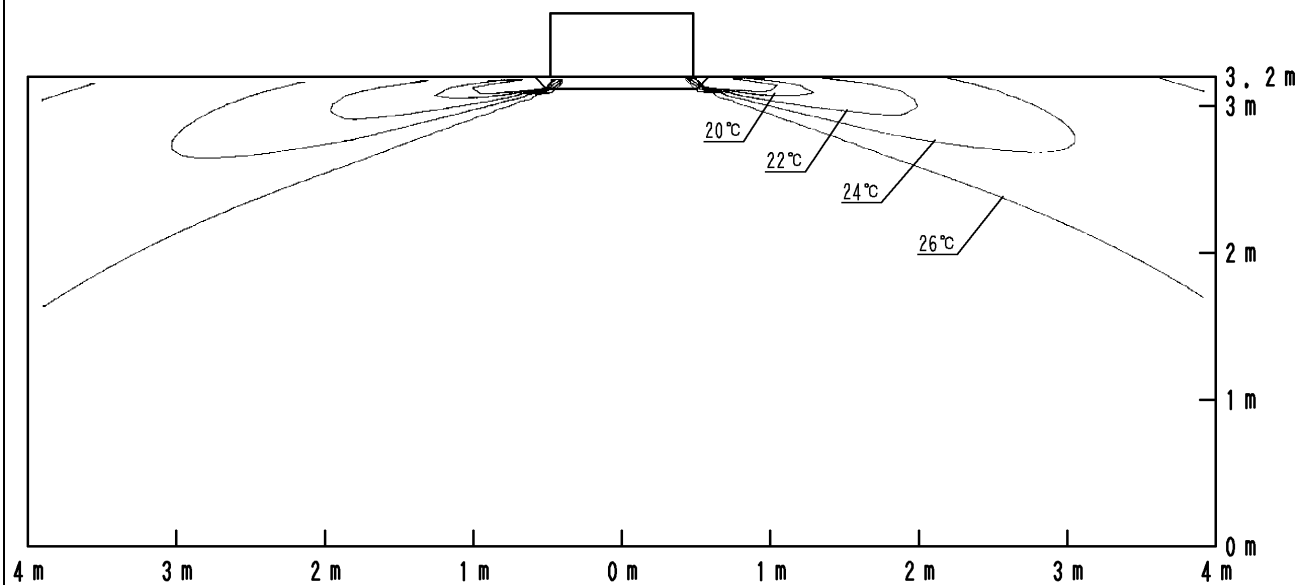
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077057A

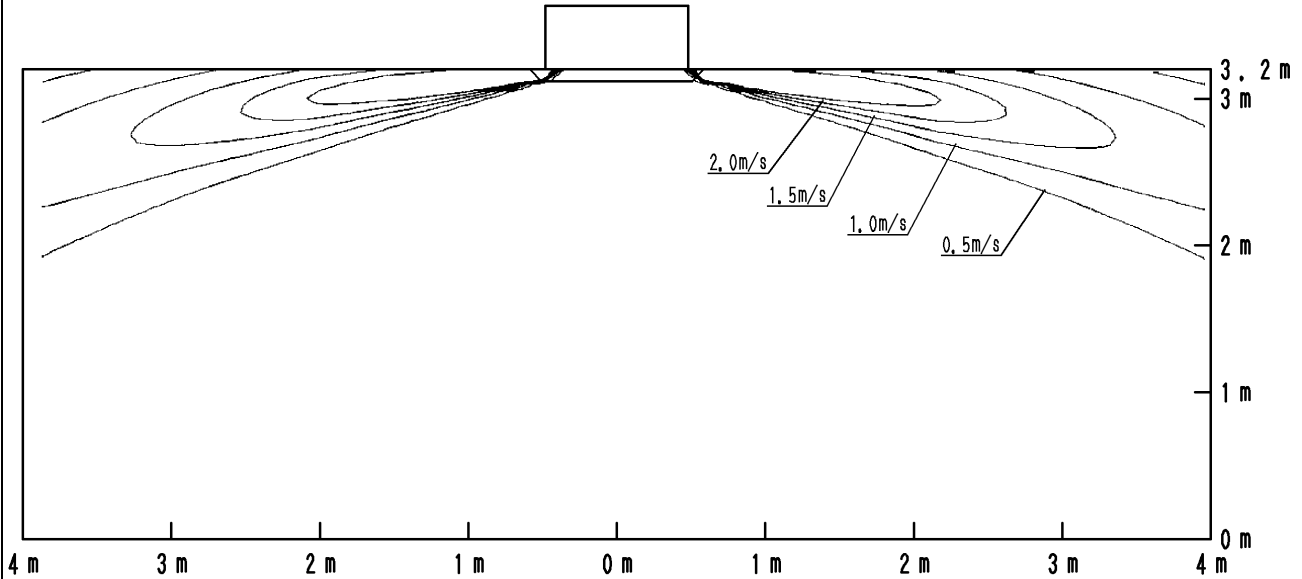
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ100A

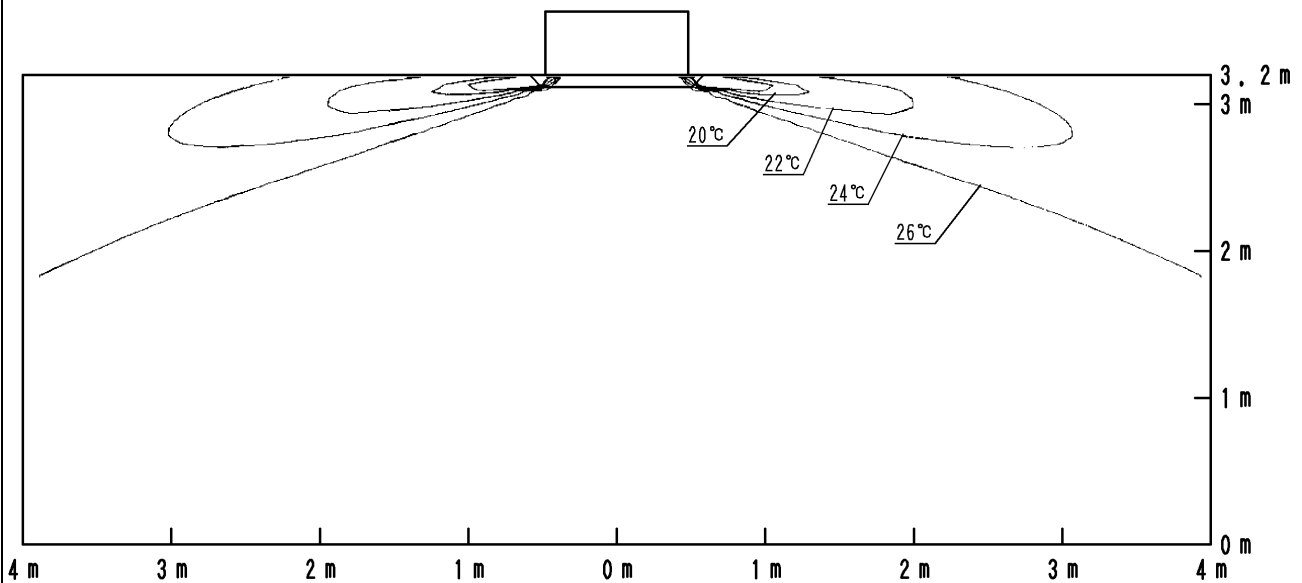
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077058A

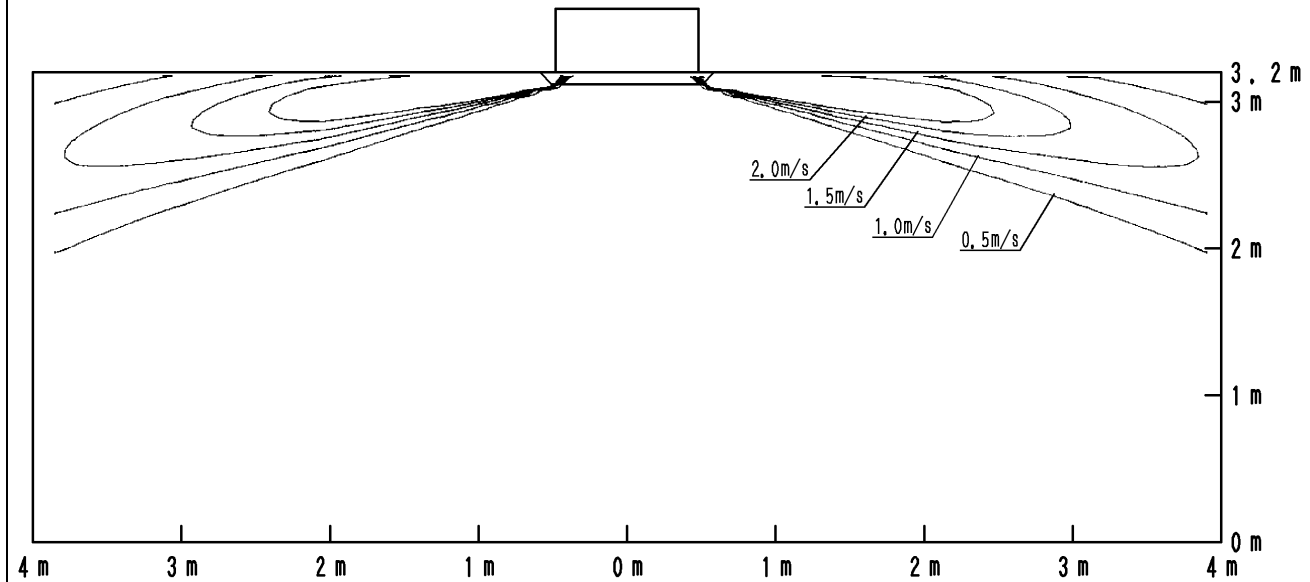
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXFQ125A

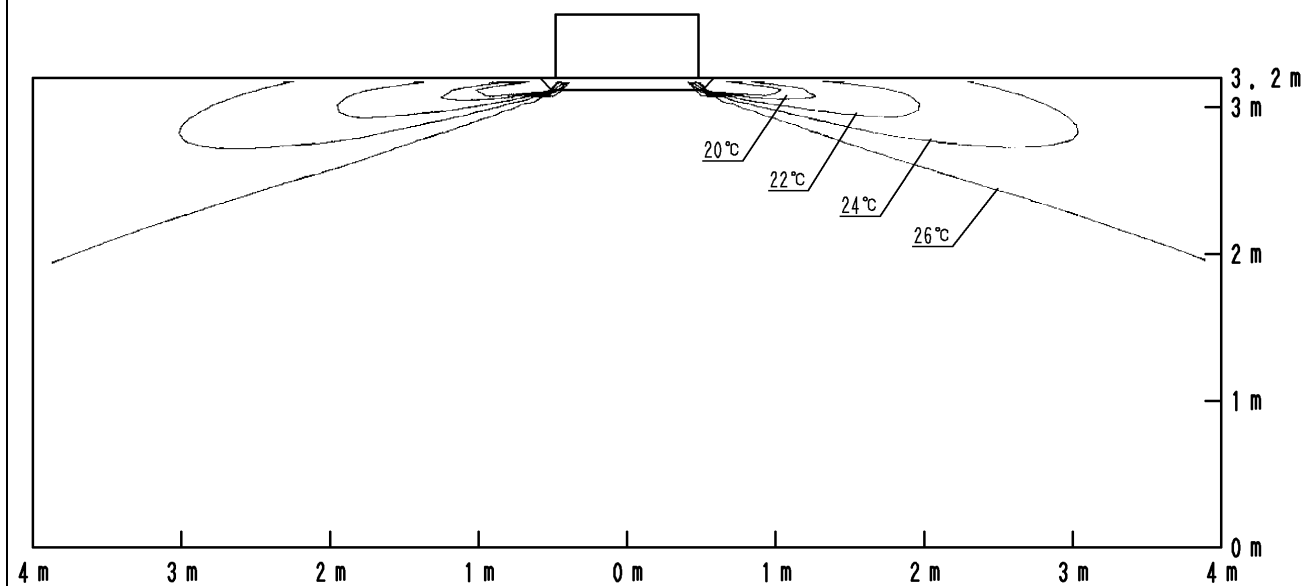
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D077063A

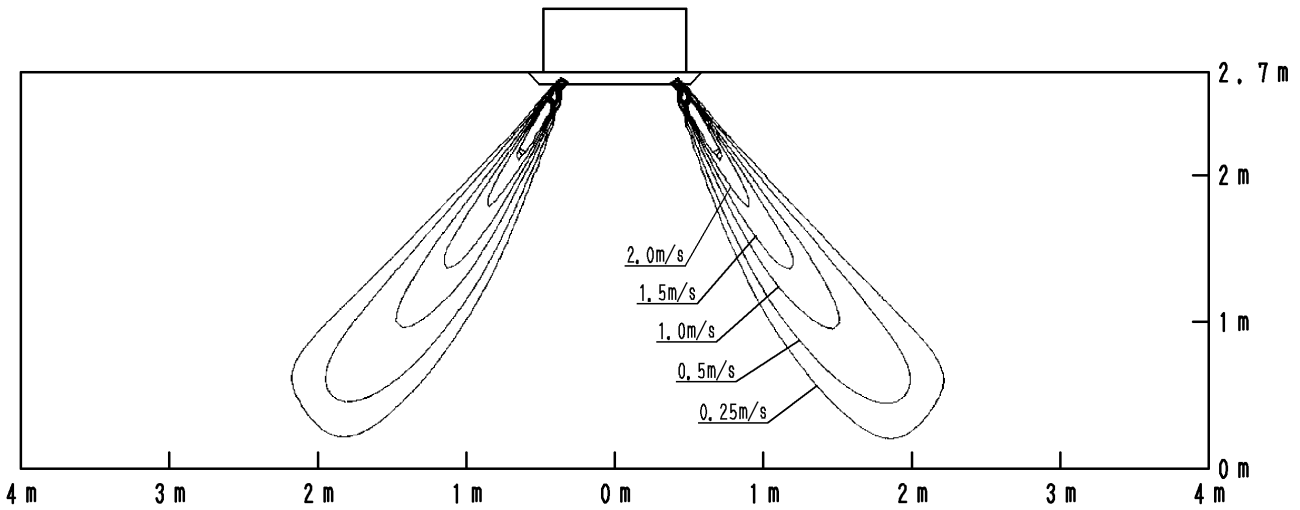
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ20-25A

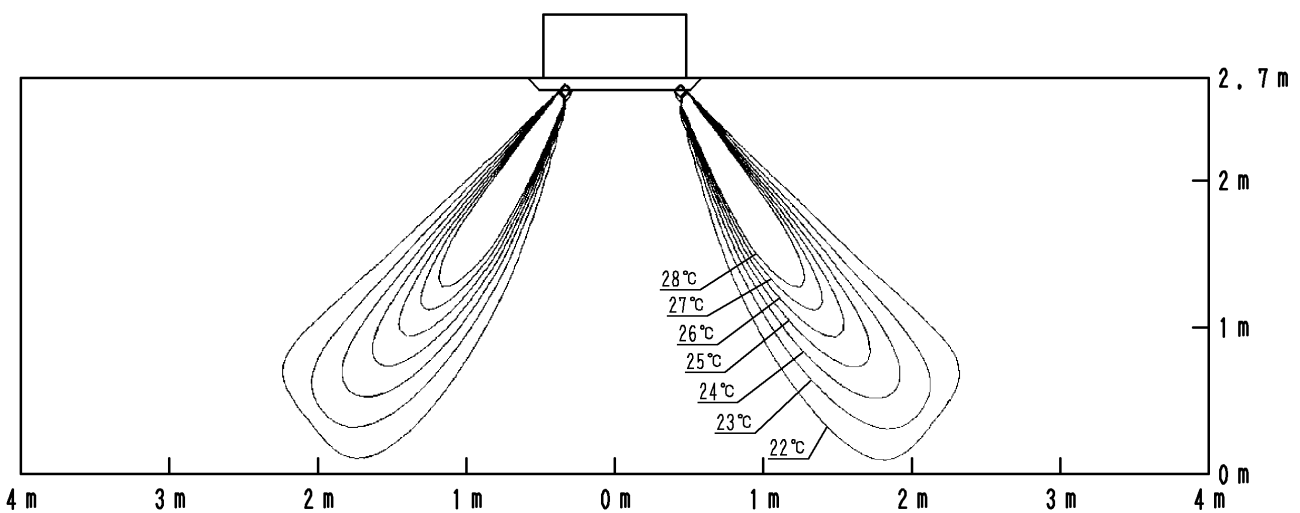
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077042A

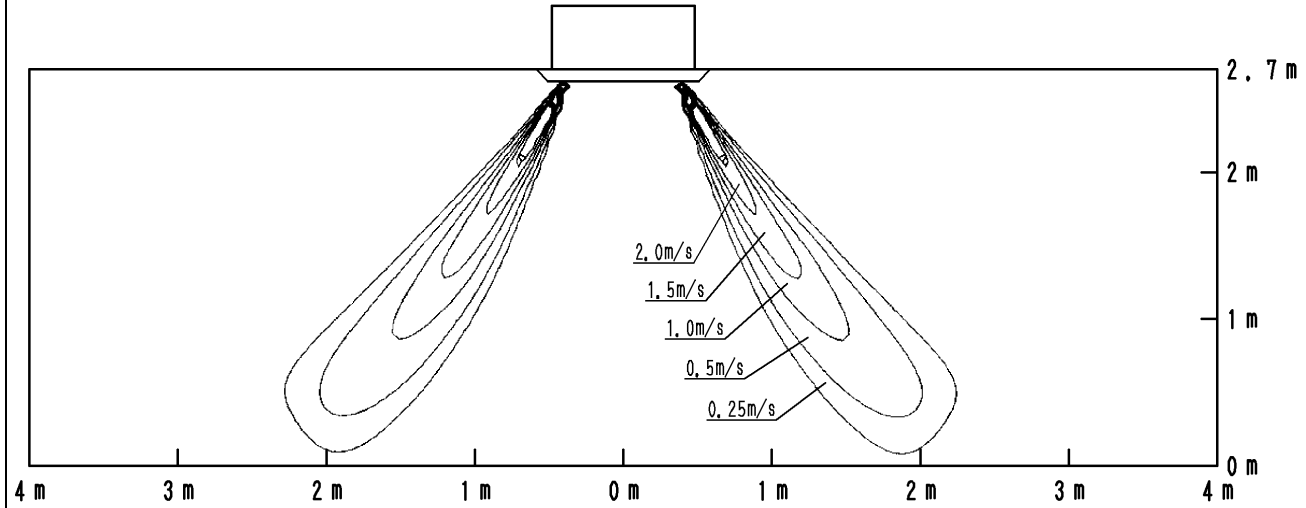
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ32A

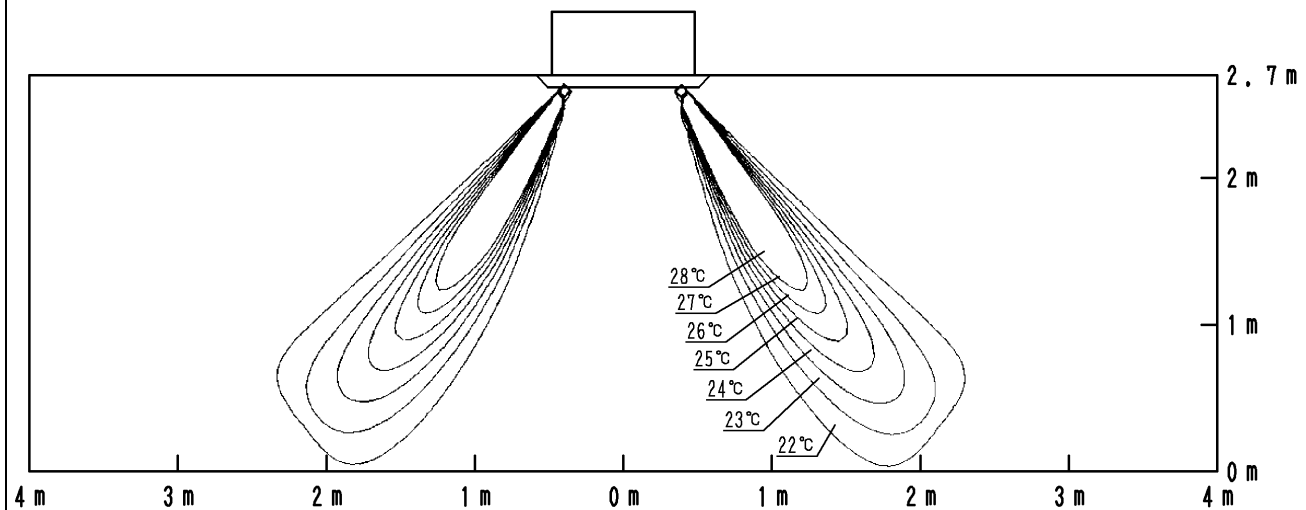
Heating air velocity distribution

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

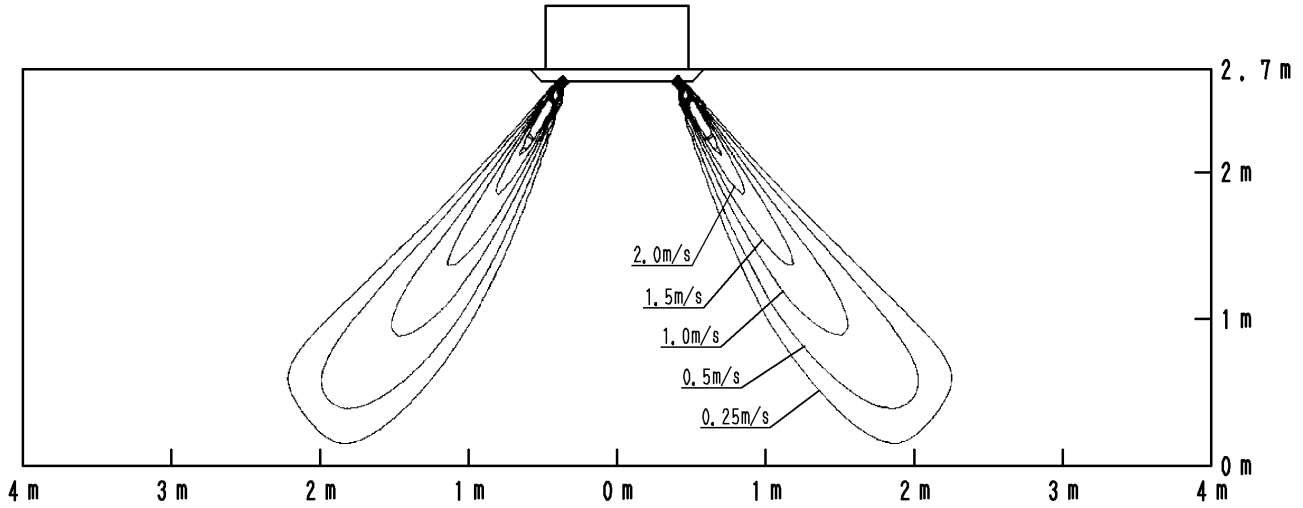
12 - 2 Air Flow Pattern - Heating

12

FXFQ40A

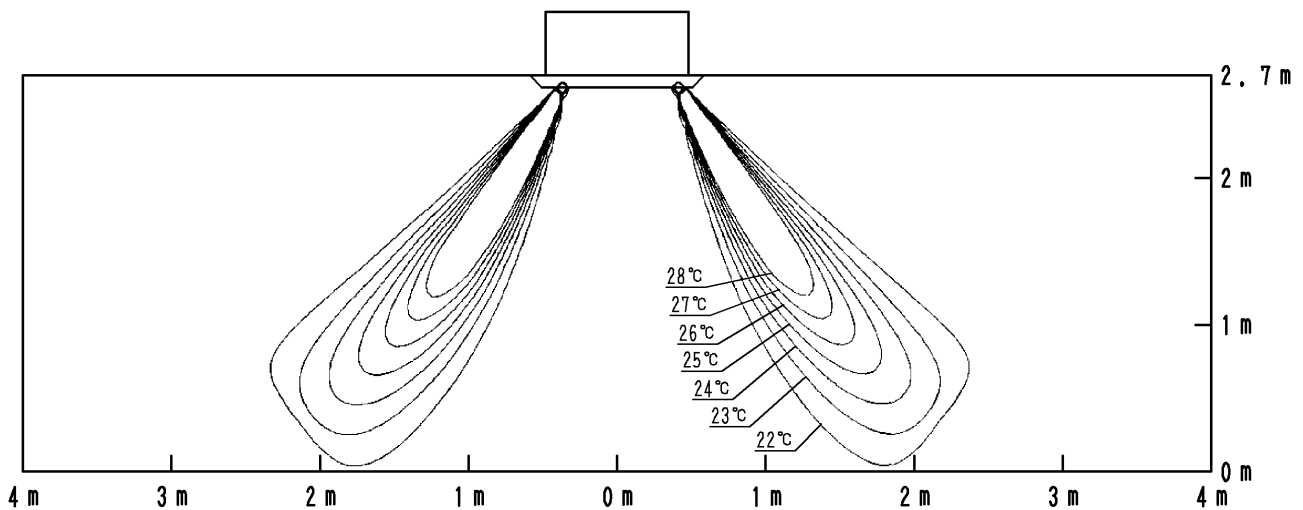
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077044A

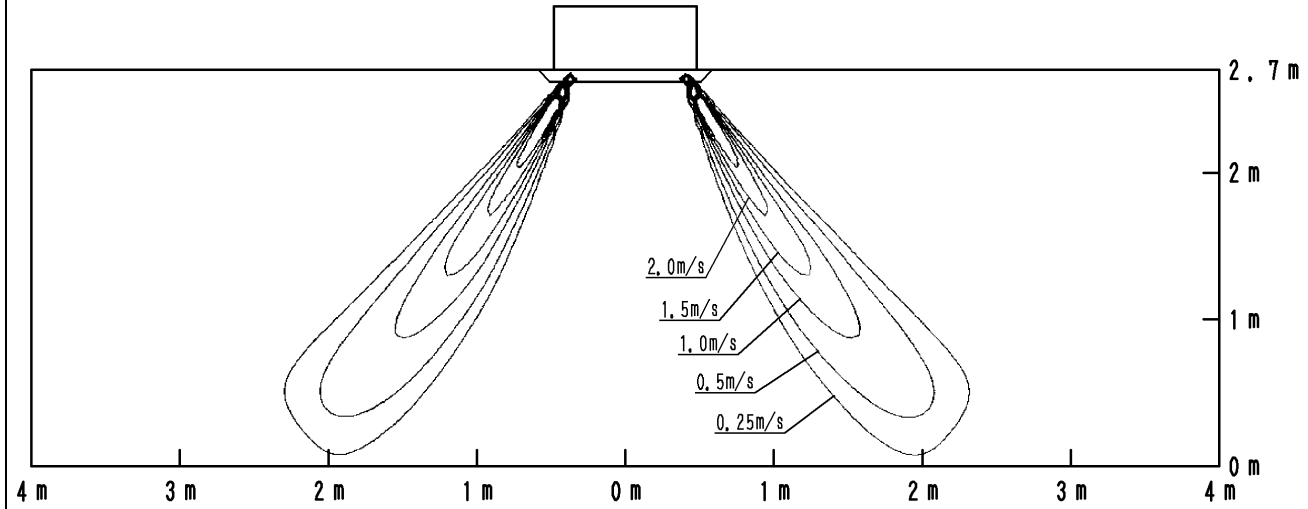
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ50A

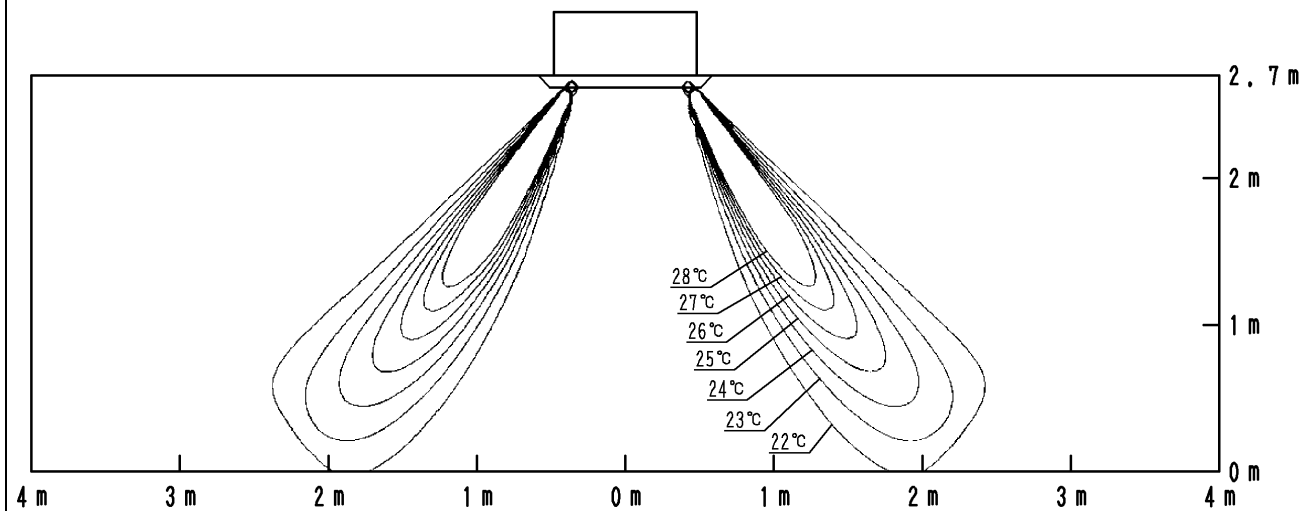
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077045A

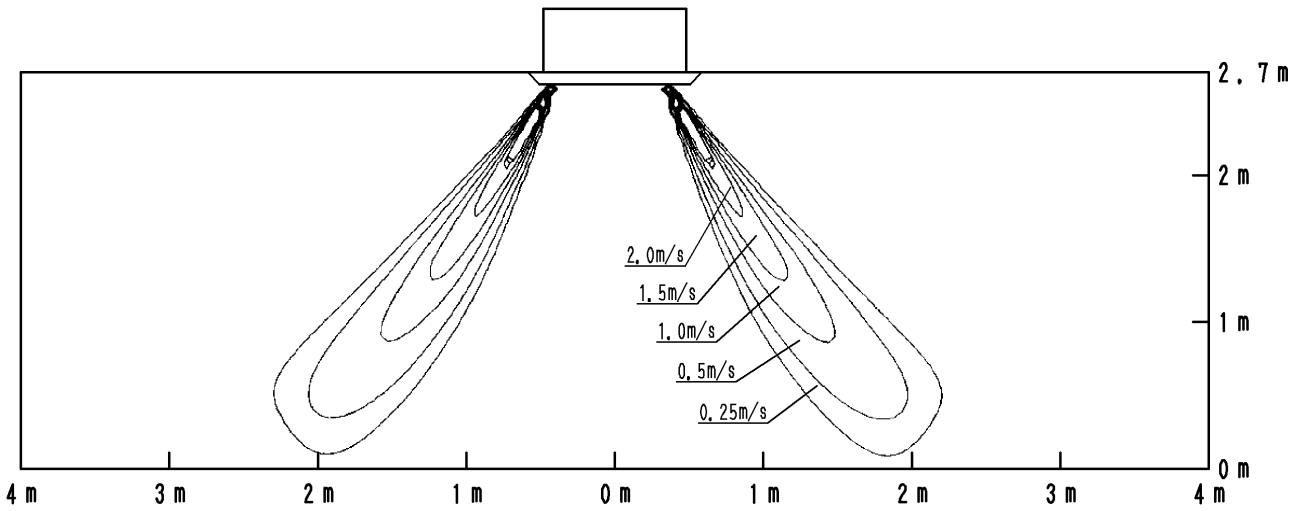
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ63A

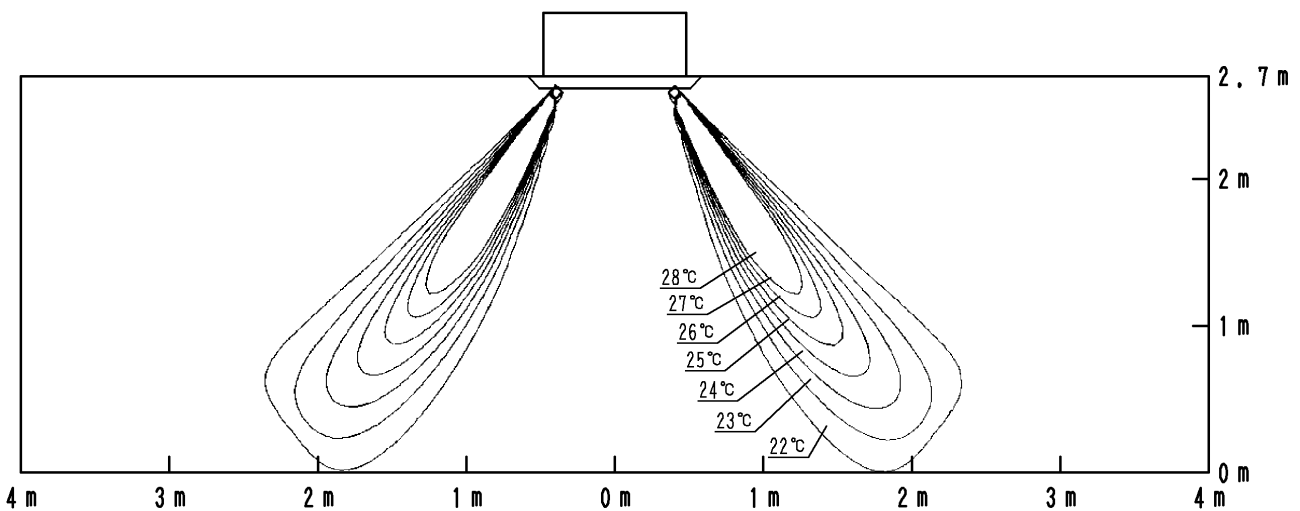
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D078686

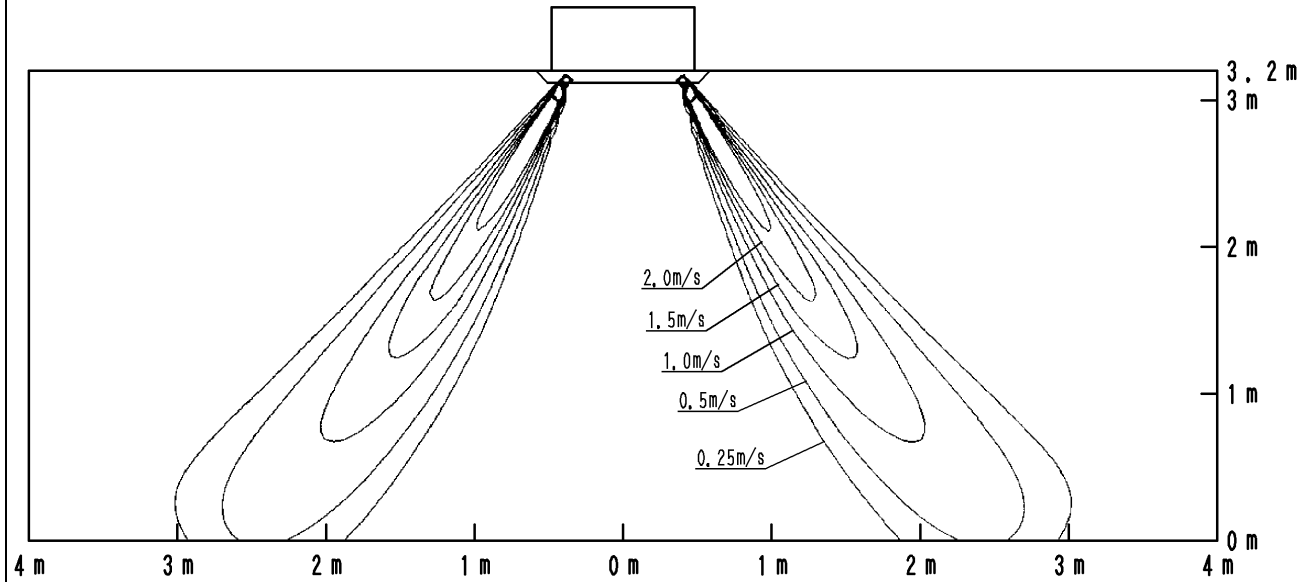
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ80A

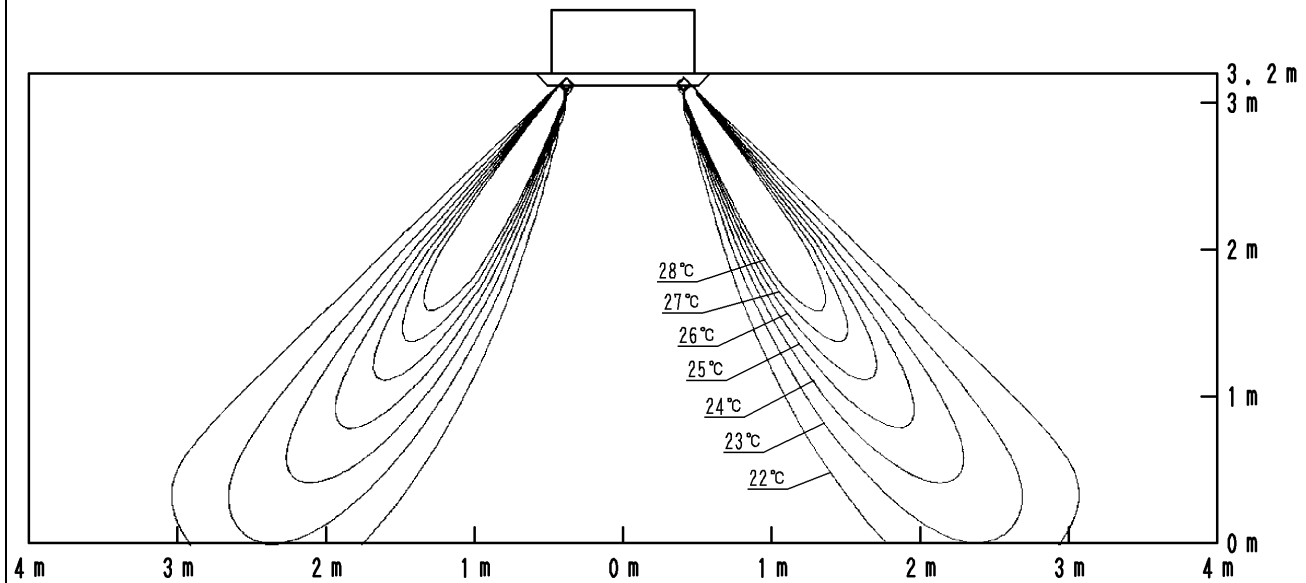
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077046A

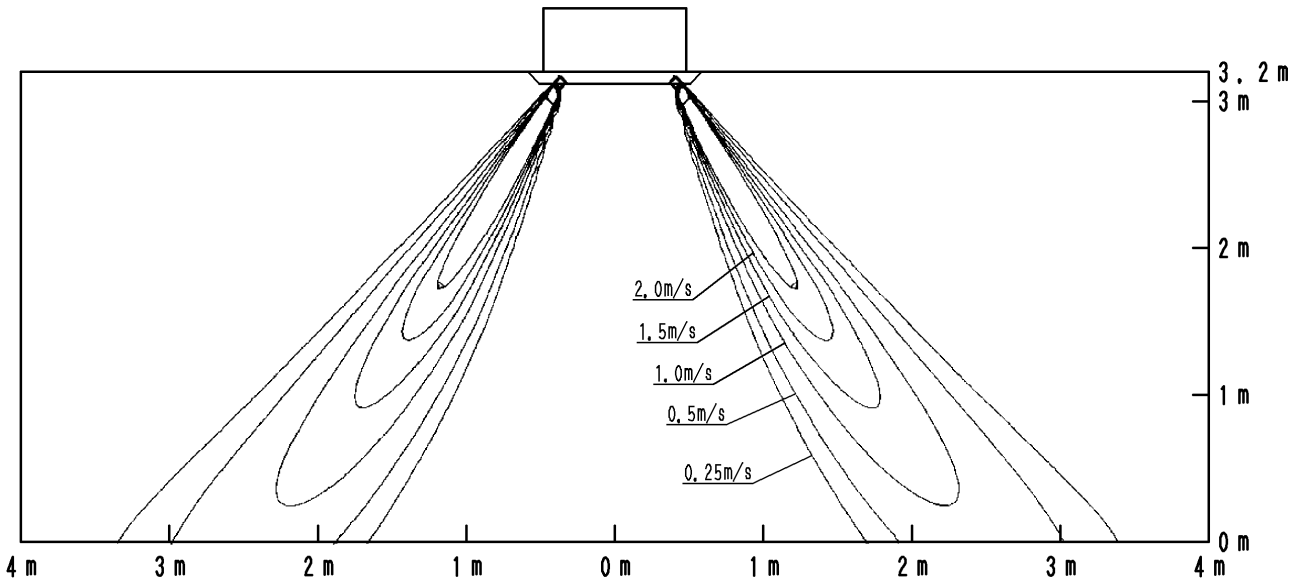
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ100A

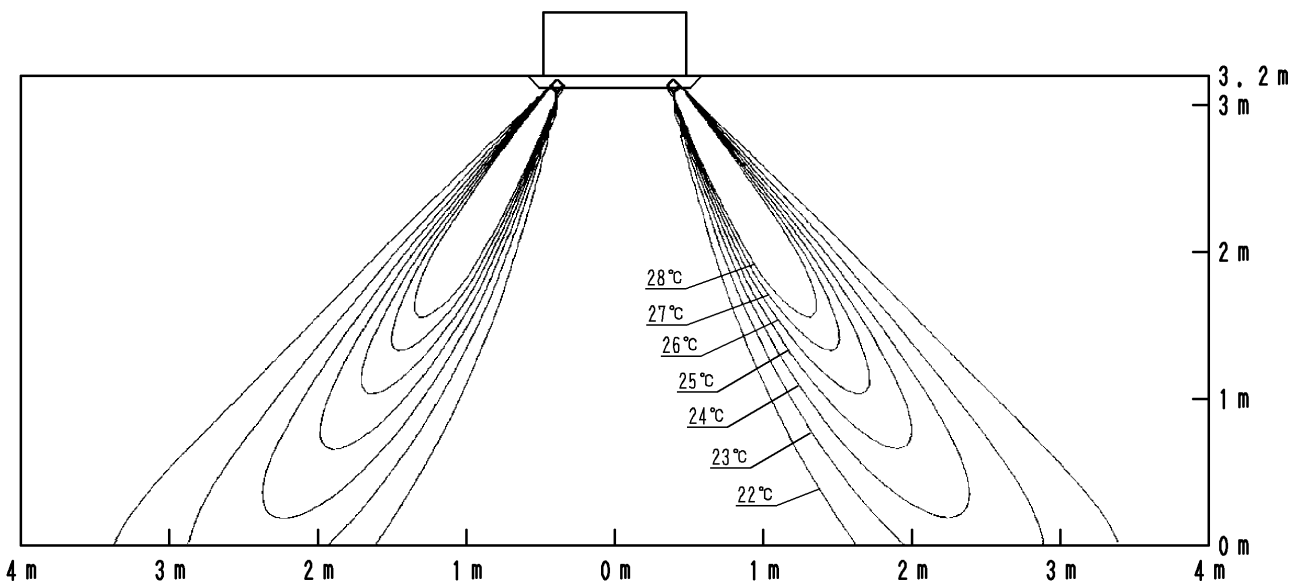
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077047A

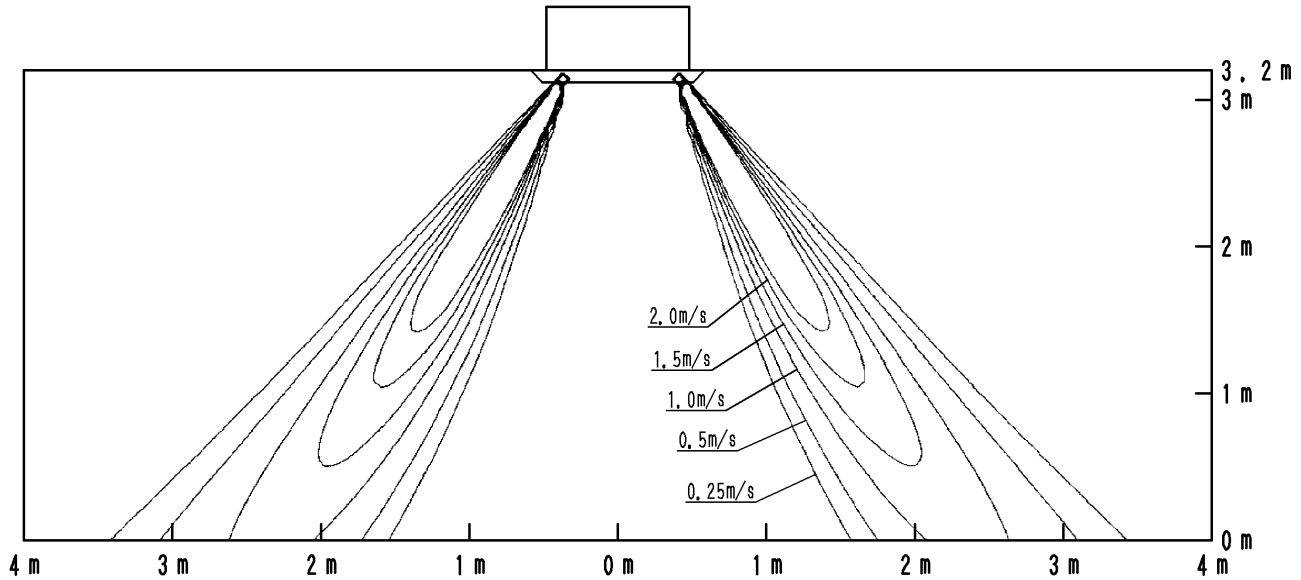
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXFQ125A

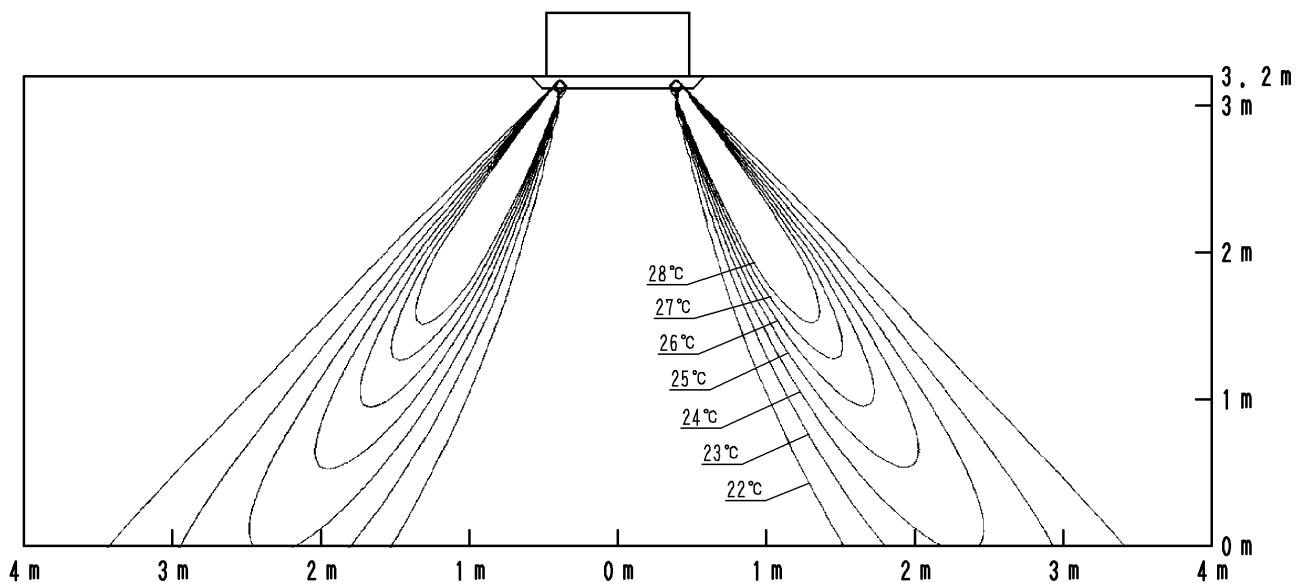
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D077052A



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.

BARCODE

Daikin products are distributed by:

