Fully flat cassette
Technical data book
FXZA-A

Table of contents

FXZA-A

1 Features

1 - 1 FXZA-A

- Optional fresh air intake
- Optimised design for R-32 refrigerant
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Standard drain pump with 630mm lift increases flexibility and installation speed
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white

Inverter


Presence & floor sensor


Home leave operation


Fan only

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

1 - 1 FXZA-A

tables.titles.technical_specifications					FXZA15A	FXZA20A	FXZA25A	FXZA32A	FXZA40A	FXZA50A
Cooling capacity	Sensible capacity	At high fan speed		kW	1.20	1.50	1.90	2.50	3.10	3.80
		At medium fan speed		kW	1.00	1.30	1.70	2.10	2.70	3.20
		At low fan speed		kW	0.90	1.10	1.40	1.80	2.30	2.60
	Latent capacity	At high fan speed		kW	0.50	0.70	0.90	1.10	1.40	1.80
		At medium fan speed		kW	0.50	0.60	0.80	1.00	1.20	1.50
		At low fan speed		kW	0.50	0.60	0.80	0.90	1.10	1.40
	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60
		At medium fan speed		kW	1.50	1.90	2.50	3.10	3.90	4.70
		At low fan speed		kW	1.40	1.70	2.20	2.70	3.40	4.00
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30
		At medium fan speed		kW	1.60	2.10	2.70	3.40	4.20	5.10
		At low fan speed		kW	1.50	1.80	2.30	2.90	3.60	4.10
Power input - 50Hz	Cooling	At high fan speed		kW	0.043			0.045	0.059	0.092
		At medium fan speed		kW	0.031		0.034	0.033	0.043	0.070
		At low fan speed		kW	0.025		0.023	0.027	0.029	0.037
	Heating	At high fan speed		kW	0.043			0.045	0.059	0.092
		At medium fan speed		kW	0.031		0.034	0.033	0.043	0.070
		At low fan speed		kW	0.025		0.023	0.027	0.029	0.037
Power input - 60Hz	Cooling	At high fan speed		kW	0.043			0.045	0.059	0.092
	Heating	At high fan speed		kW	0.043			0.045	0.059	0.092
Dimensions	Unit	Height		mm	260					
		Width		mm	575					
		Depth		mm	575					
	Packed unit	Height		mm	280					
		Width		mm	686					
		Depth		mm	597					
Weight	Unit			kg	15.5			16.5		18.5
	Packed unit			kg	17		18			19
Casing	Material				Galvanised steel plate					
Heat exchanger	Inside length			mm	1,295					1,248
	Outside length			mm	1,342					
	Rows	Quantity			2					3
	Fin pitch			mm	1.20					
	Passes	Quantity			4			5		7
	Face area			m^2	0.218			0.290		0.300
	Stages	Quantity			12			16		
	Fin	Type			Cross fin coil (multi slit fins and hi-XA tubes)					
Fan	Type				Turbo fan					
	Quantity				1					
	Air flow rate - 50Hz	Cooling	At high fan speed	m^3/min	8.5	8.7	9.0	10.0	11.5	14.0
			At medium fan speed	m^3/min	7.0	7.5	8.0	8.5	9.5	12.5
			At low fan speed	m^3/min	6.5			7.0	8.0	10.0
		Heating	At high fan speed	m^3/min	8.5	8.7	9.0	10.0	11.5	14.0
			At medium fan speed	m^3/min	7.0	7.5	8.0	8.5	9.5	12.5
			At low fan speed	m^3/min	6.5			7.0	8.0	10.0
Fan	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	300	307	318	353	406	494
			At medium fan speed	cfm	247	265	283	300	335	441
			At low fan speed	cfm	230			247	283	353
		Heating	At high fan speed	cfm	300	307	318	353	406	494
			At medium fan speed	cfm	247	265	283	300	335	441
			At low fan speed	cfm	230			247	283	353
Sound power level	Cooling	At high fan speed		dBA	49		50	51	54	60
Sound pressure level	Cooling	At high fan speed		dBA	31.5	32.0	33.0	33.5	37.0	43.0
		At medium fan speed		dBA	28.0	29.5	30.0		32.0	40.0
		At low fan speed		dBA	25.5			26.0	28.0	33.0
	Heating	At high fan speed		dBA	31.5	32.0	33.0	33.5	37.0	43.0
		At medium fan speed		dBA	28.0	29.5	30.0		32.0	40.0
		At low fan speed		dBA	25.5			26.0	28.0	33.0
Fan motor	Speed	Steps			3					
Refrigerant	Type				R-32					
	GWP				675.0					

2 Specifications

1 - 1 FXZA-A

tables.titles.technical_specifications				FXZA15A	FXZA20A	FXZA25A	FXZA32A	FXZA40A	FXZA50A
Piping connections	Liquid	Type		Flare connection					
		OD	mm	6,35					
	Gas	Type		Flare connection					
		OD	mm	9.52				12.70	
	Drain			VP20 (I.D. 20/O.D. 26)					
	Heat insulation			Foamed polystyrene / Foamed polyethylene					
	Sound absorbing insulation			Foamed polyurethane					
Decoration panel	Model			BYFQ60C4W1W					
	Colour			White (N9.5)					
	Dimensions	Height	mm	46					
		Width	mm	620					
		Depth	mm	620					
	Weight		kg	2.8					
Decoration panel 2	Model			BYFQ60C4W1S					
	Colour			SILVER					
	Dimensions	Height	mm	46					
		Width	mm	620					
		Depth	mm	620					
	Weight		kg	2.8					
Decoration panel 3	Model			BYFQ60B2W1 / See note 1					
	Colour			White (RAL9010)					
	Dimensions	Height	mm	55					
		Width	mm	700					
		Depth	mm	700					
	Weight		kg	2.7					
Decoration panel 4	Model			BYFQ60B3W1 / See note 1					
	Colour			WHITE (RAL9010)					
	Dimensions	Height	mm	55					
		Width	mm	700					
		Depth	mm	700					
Decoration panel 4	Weight		kg	2.7					
Air filter	Type			Resin net					
Safety devices	Item	01		PC board fuse					
		02		Fan motor overcurrent protector					
		03		Fan motor thermal protection					
Control systems	Infrared remote control			BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel)					
	Wired remote control			BRC1H52W/S/K					

Standard accessories: Installation and operation manual; Quantity: 1;

Standard accessories: Drain hose; Quantity: 1;

Standard accessories: Metal clamp for drain hose; Quantity: 1;

Standard accessories: Washer for hanger bracket; Quantity: 8;

Standard accessories: Screws; Quantity: 4;

Standard accessories: Insulation for fitting; Quantity: 2;

Standard accessories: Sealing pad; Quantity: 4;

Standard accessories: Clamps; Quantity: 7;

tables.titles.electrical_specifications			FXZA15A	FXZA20A	FXZA25A	FXZA32A	FXZA40A	FXZA50A
Power supply	Name		VE					
	Phase		1~					
	Frequency	Hz	50/60					
	Voltage	V	220-240/220					
Current - 50Hz	Minimum circuit amps (MCA)	A	0.3			0.4		0.6
	Maximum fuse amps (MFA)	A	6					
	Full load amps (FLA) Total	A	0.3			0.4		0.5
Current - 60Hz	Minimum circuit amps (MCA)	A	0.3			0.4		0.6
	Maximum fuse amps (MFA)	A	6					
	Full load amps (FLA) Total	A	0.3			0.4		0.5

It is necessary to use option ERPS23 (conversion wire harness) for connection of standard panel. |
Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB |
Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB |
Dimensions do not include control box |
The sound power level is an absolute value indicating the power which a sound source generates. |
Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits. |
Maximum allowable voltage range variation between phases is 2%. |
MCA/MFA: MCA = 1.1 x FLA |
Instead of a fuse, use a circuit breaker |
Select wire size based on the value of MCA |
Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXZA-A

Unit				Power supply		IFM	Power input [W]	
Model	Hz	Voltage	Voltage range	MCA	MFA	FLA	Cooling	Heating
FXZA15A2VEB	50/60	220-240/220	MAX. 264/MAX. 242 MIN. 198/MIN. 198	0,3	6	0,3	36	36
FXZA20A2VEB				0,3	6	0,3	36	36
FXZA25A2VEB				0,3	6	0,3	36	36
FXZA32A2VEB				0,4	6	0,4	38	38
FXZA40A2VEB				0,4	6	0,4	53	53
FXZA50A2VEB				0,6	6	0,5	86	86

Notes

1) Voltage range
   The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
2) The maximum allowable voltage that is unbalanced between phases is ·2·%.
3) MCA = 1.1 x FLA
4) Select the wire size according to the MCA.
5) Use a circuit breaker instead of a fuse.

Symbols

MCA: Minimum Circuit Ampere [A]
MFA: Maximum Fuse Ampere [A]
FLA: Full Load Ampere [A]
IFM: Indoor fan motor

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4 Safety device settings

4 - 1 Safety Device Settings

FXZA-A

Safety devices		FXZA15/20/25/32/40/50A2VEB
PCB fuse		250V, 3.15A
PCB fuse (fan driver)		---
Fan motor thermal fuse	Nominal	0.74A
Fan motor thermal protector	Maximum	108°C
Drain pump fuse		---

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5 Options

5 - 1 Options

FXZA-A

Option kit	Product name	New/Existing	Compatibility			Availability
						FXZA15A2VEB FXZA20A2VEB FXZA25A2VEB FXZA32A2VEB FXZA40A2VEB FXZA50A2VEB
Decoration panel - Standard	BYFQ60B2W1 ⑦	Existing	-	-	-	✓
Decoration panel - Standard	BYFQ60B3W1 ⑦	Existing	-	-	-	✓
Decoration panel - White	BYFQ60C4W1W	New	-	-	-	✓
Decoration panel - Silver	BYFQ60C4W1S	New	-	-	-	✓
Sensor kit - White	BRYQ60A3W ③	New	No	Yes	No	✓
Sensor kit - Silver	BRYQ60A3S ③	New	No	No	Yes	✓
Air discharge outlet sealing member	BDBHQ44C60	Existing	Yes	Yes	Yes	✓
Panel spacer	KDBQ44B60	Existing	Yes	No	No	✓
Long-life replacement filter	KAFQ441BA60	Existing	Yes	Yes	Yes	✓
Fresh air intake kit	KDDQ44XA60	Existing	Yes	Yes	Yes	✓
Remote control | Infrared type | ·HP·	BRC7EB530W ①②	Existing	Yes	No	No	✓
Remote control | Infrared type | ·HP· | White	BRC7F530W ①②	Existing	No	Yes	No	✓
Remote control | Infrared type | ·HP· | Silver	BRC7F530S ①②	Existing	No	No	Yes	✓
Wired remote control	BRC1H52W/S/K ②	New	Yes	Yes	Yes	✓
Relay PCB	ERP01A50 ⑥	New	Yes	Yes	Yes	✓
Wire harness for external wireless temperature sensor	EKEWTSC-1 ⑨	New	Yes	Yes	Yes	✓
Central remote control	DCS302C51	Existing	Yes	Yes	Yes	✓
Unified ON/OFF controller	DCS301B51	Existing	Yes	Yes	Yes	✓
Schedule timer	DST301BA51	Existing	Yes	Yes	Yes	✓
Wiring adaptor for electrical appendices	ERP02A50 ⑥	New	Yes	Yes	Yes	✓
Wiring adaptor for electrical appendices	KRP2A526	Existing	Yes	Yes	Yes	✓
Wiring adaptor for electrical appendices	KRP4A53 ⑥	Existing	Yes	Yes	Yes	✓
Wiring adaptor (hour meter)	EKRP1C14 ⑥	New	Yes	Yes	Yes	✓
Installation box for adaptor PCB	KRP1BC101	New	Yes	Yes	Yes	✓
Remote sensor	KRCS01-8B	New	Yes	Yes	Yes	✓
iTouch Controller	DCS601C51	Existing	Yes	Yes	Yes	✓
Digital input adaptor	BRP7A53 ⑤⑥	Existing	Yes	Yes	Yes	✓
Conversion wire harness for standard panel	EKRS23	New	Yes	No	No	✓
WLAN adaptor for smartphones	BRP069C51 ⑧	New	Yes	Yes	Yes	✓

Notes

① The sensing function is not available.
② The independently-controllable-flaps function is not available.
③ This option cannot be used with ·RR· and ·RQ· models.
④ The independently-controllable-flaps function is not available in combination with ·RR· and ·RQ· models.
⑤ Only possible in combination with remote control ·BRC1H52W/S/K·.
⑥ Requires installation box for adaptor PCB ·KRP1BC101·.
⑦ For the connection of panel ·BYFQ60B2/3W1· with R32 units it is necessary to use option ·EKRS23·.
⑧ Only possible in combination with wired or wireless remote control (e.g. ·BRC1H, BRC7F·)
⑨ ·EKEWTSC-1· is a wire harness for the connection of option ·K.RSS·.
·K.RSS· is not an official option. Sales for this option are an SBU responsibility.

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6 Capacity tables

6 - 1 Capacity Table Legend

In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have to help you select the correct product:

- **Capacity table database:** lets you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.
- You can access the capacity table viewer here:
  https://my.daikin.eu/content/denv/en_US/home/applications/software-finder/capacity-table-viewer.html

- An overview of **all software tools** that we offer can be found here:
  https://my.daikin.eu/denv/en_US/home/applications/software-finder.html

6 Capacity tables

6 - 2 Cooling Capacity Tables

FXZA-A

		Indoor air temperature													
		14,0 [°C WB] / 20,0 [°C DB]		16,0 [°C WB] / 23,0 [°C DB]		18,0 [°C WB] / 26,0 [°C DB]		19,0 [°C WB] / 27,0 [°C DB]		20,0 [°C WB] / 28,0 [°C DB]		22,0 [°C WB] / 30,0 [°C DB]		24,0 [°C WB] / 32,0 [°C DB]	
Unit size	Fan speed	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
15	H	1,0	0,8	1,3	1,0	1,5	1,1	1,7	1,2	1,9	1,2	2,2	1,3	2,5	1,4
	M	Correction factor ·0.86 × H·													
	L	Correction factor ·0.81 × H·													
20	H	1,3	1,0	1,6	1,3	2,0	1,5	2,2	1,5	2,4	1,6	2,8	1,7	3,3	1,8
	M	Correction factor ·0.89 × H·													
	L	Correction factor ·0.80 × H·													
25	H	1,6	1,3	2,1	1,6	2,5	1,9	2,8	1,9	3,1	2,0	3,6	2,1	4,2	2,2
	M	Correction factor ·0.92 × H·													
	L	Correction factor ·0.78 × H·													
32	H	2,1	1,7	2,7	2,0	3,3	2,4	3,6	2,5	3,9	2,5	4,6	2,7	5,4	2,9
	M	Correction factor ·0.88 × H·													
	L	Correction factor ·0.75 × H·													
40	H	2,6	2,2	3,3	2,6	4,1	3,0	4,5	3,1	4,9	3,2	5,8	3,4	6,7	3,6
	M	Correction factor ·0.87 × H·													
	L	Correction factor ·0.76 × H·													
50	H	3,2	2,7	4,1	3,2	5,1	3,7	5,6	3,8	6,1	4,0	7,2	4,2	8,3	4,5
	M	Correction factor ·0.88 × H·													
	L	Correction factor ·0.73 × H·													

Notes

1) TC: Total capacity [kW]
   SHC: Sensible heat capacity [kW]
2) Outdoor temperature ·35·°C DB

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6 Capacity tables

6 - 3 Heating Capacity Tables

FXZA-A

Unit size	Fan speed	Indoor air temperature					
		16,0 [°C DB]	18,0 [°C DB]	20,0 [°C DB]	21,0 [°C DB]	22,0 [°C DB]	24,0 [°C DB]
		TC	TC	TC	TC	TC	TC
15	H	2,2	2,1	1,9	1,8	1,7	1,6
	M	Correction factor ·0.84 × H·					
	L	Correction factor ·0.78 × H·					
20	H	2,9	2,7	2,5	2,4	2,3	2,1
	M	Correction factor ·0.87 × H·					
	L	Correction factor ·0.77 × H·					
25	H	3,7	3,5	3,2	3,1	2,9	2,7
	M	Correction factor ·0.90 × H·					
	L	Correction factor ·0.75 × H·					
32	H	4,7	4,3	4,0	3,8	3,7	3,3
	M	Correction factor ·0.86 × H·					
	L	Correction factor ·0.72 × H·					
40	H	5,8	5,4	5,0	4,8	4,6	4,2
	M	Correction factor ·0.84 × H·					
	L	Correction factor ·0.72 × H·					
50	H	7,4	6,8	6,3	6,0	5,8	5,3
	M	Correction factor ·0.81 × H·					
	L	Correction factor ·0.65 × H·					

Notes

1) TC: Total capacity [kW]
2) Outdoor temperature ·7·°C DB / ·6·°C WB

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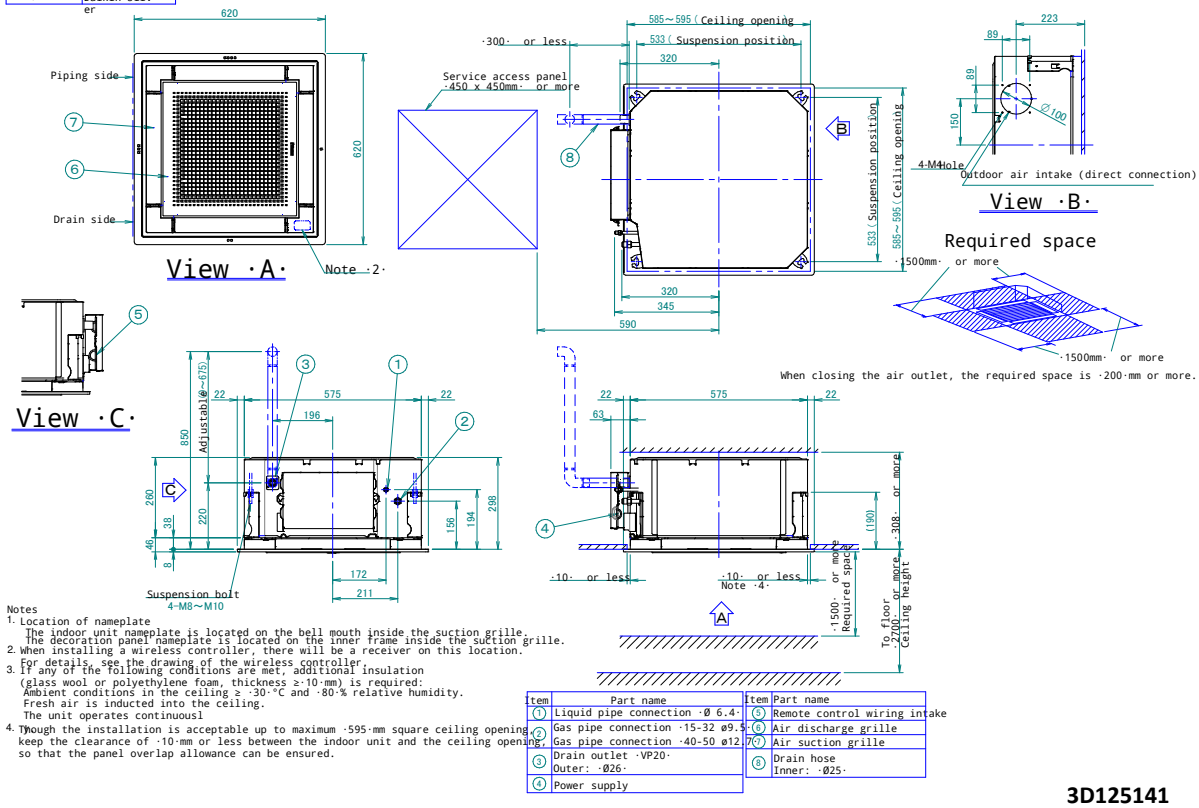
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXZA-A

Decoration panel

BYFQ60C4W1W	Fresh white ·N9.5·
BYFQ60C4W1S	Daikin silver



Notes
1. Location of nameplate
   The indoor unit nameplate is located on the bell mouth inside the suction grille.
   The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location.
   For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥·10·mm) is required:
   Ambient conditions in the ceiling ≥ ·30·°C and ·80·% relative humidity.
   Fresh air is inducted into the ceiling.
   The unit operates continuous1
4. Though the installation is acceptable up to maximum ·595·mm square ceiling opening, keep the clearance of ·10·mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

Item	Part name	Item	Part name
①	Liquid pipe connection ·Ø 6.4·	⑤	Remote control wiring intake
②	Gas pipe connection ·15-32 ø9.5· Gas pipe connection ·40-50 ø12.7·	⑥	Air discharge grille
		⑦	Air suction grille
③	Drain outlet ·VP20· Outer: ·Ø26·	⑧	Drain hose Inner: ·Ø25·
④	Power supply		

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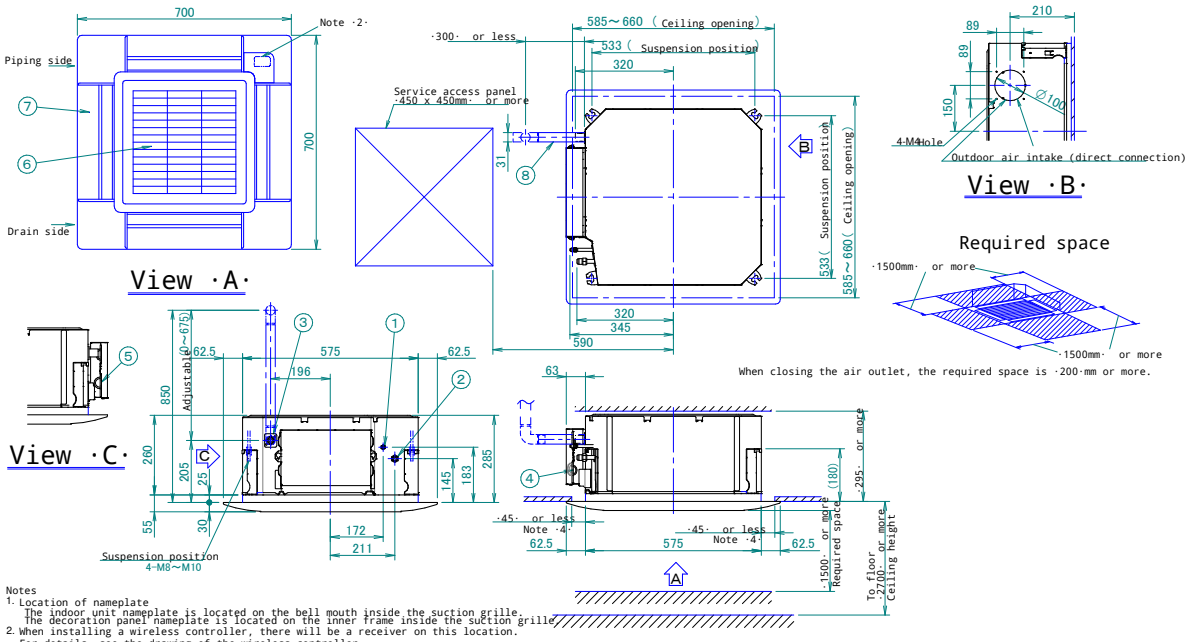
FXZA-A

Decoration panel

BYFQ60B2W1	White Ral 9010
BYFQ60B3W1	White Ral 9010



Notes
1. Location of nameplate
   The indoor unit nameplate is located on the bell mouth inside the suction grille.
   The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location.
   For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥·10·mm) is required:
   Ambient conditions in the ceiling ≥ ·30·°C and ·80·% relative humidity.
   Fresh air is inducted into the ceiling.
   The unit operates continuous1
4. Though the installation is acceptable up to maximum ·660·mm square ceiling opening, keep the clearance of ·45·mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

Item	Part name	Item	Part name
①	Liquid pipe connection ·Ø 6.4·	⑤	Remote control wiring intake
②	Gas pipe connection ·15-32 ø9.5· Gas pipe connection ·40-50 ø12.7·	⑥	Air discharge grille
		⑦	Air suction grille
③	Drain outlet ·VP20· Outer: ·Ø26·	⑧	Drain hose Inner: ·Ø25·
④	Power supply		

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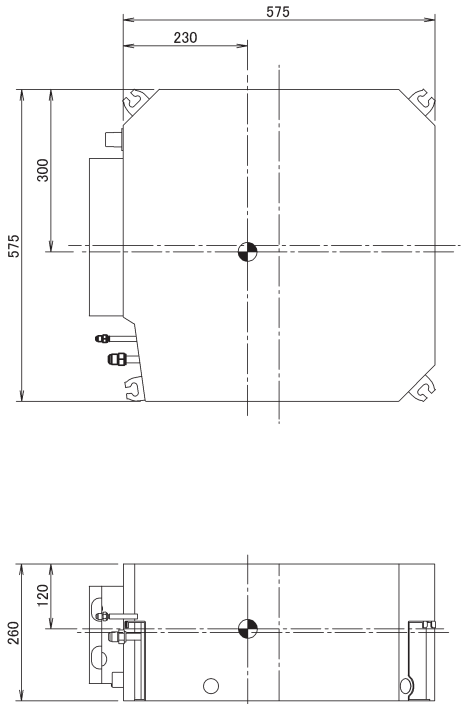
8 Centre of gravity

8 - 1 Centre of Gravity

FXZA-A



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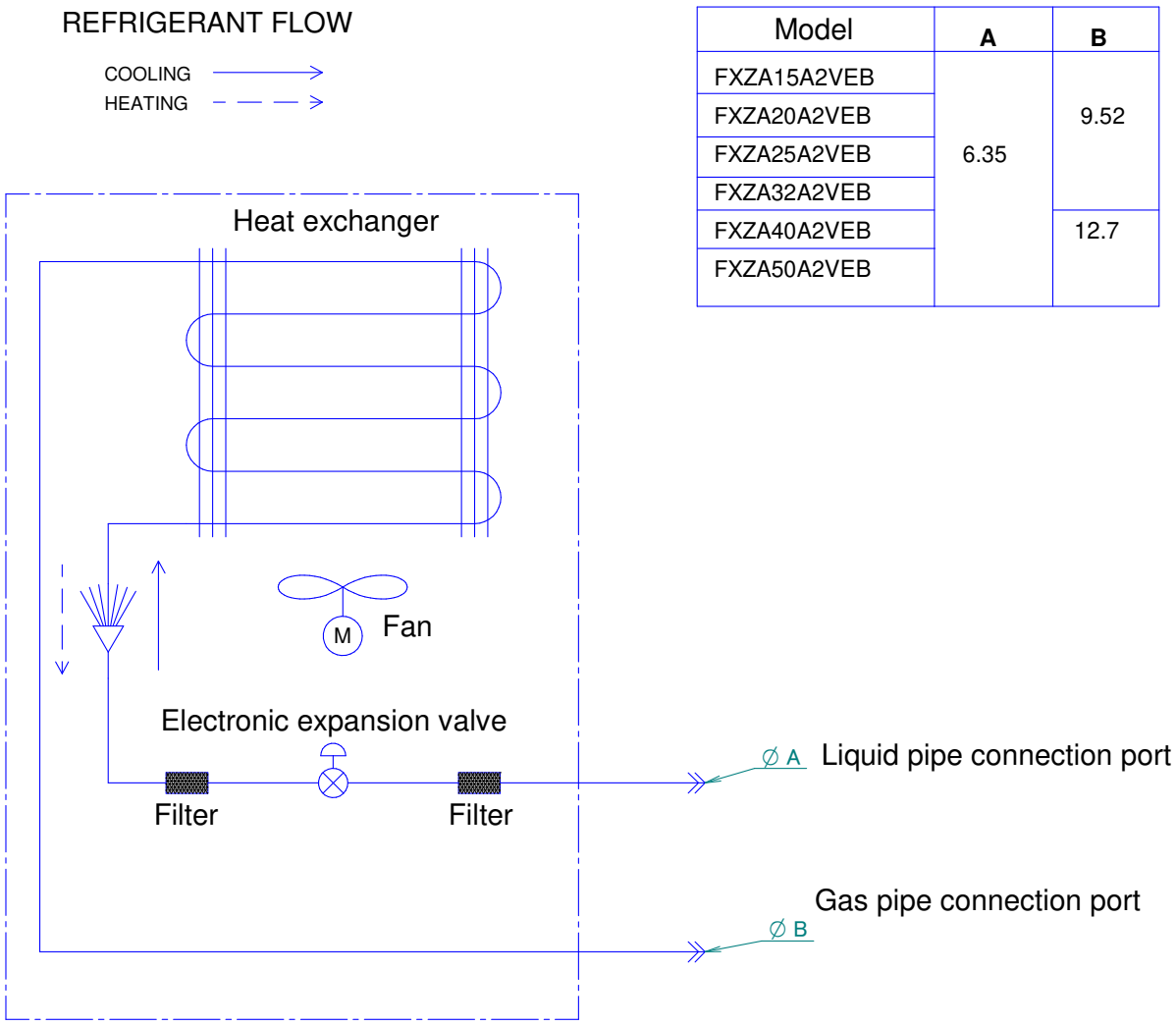
9 Piping diagrams

9 - 1 Piping Diagrams

FXZA-A



Model	A	B
FXZA15A2VEB	6.35	9.52
FXZA20A2VEB		
FXZA25A2VEB		
FXZA32A2VEB		
FXZA40A2VEB		12.7
FXZA50A2VEB		

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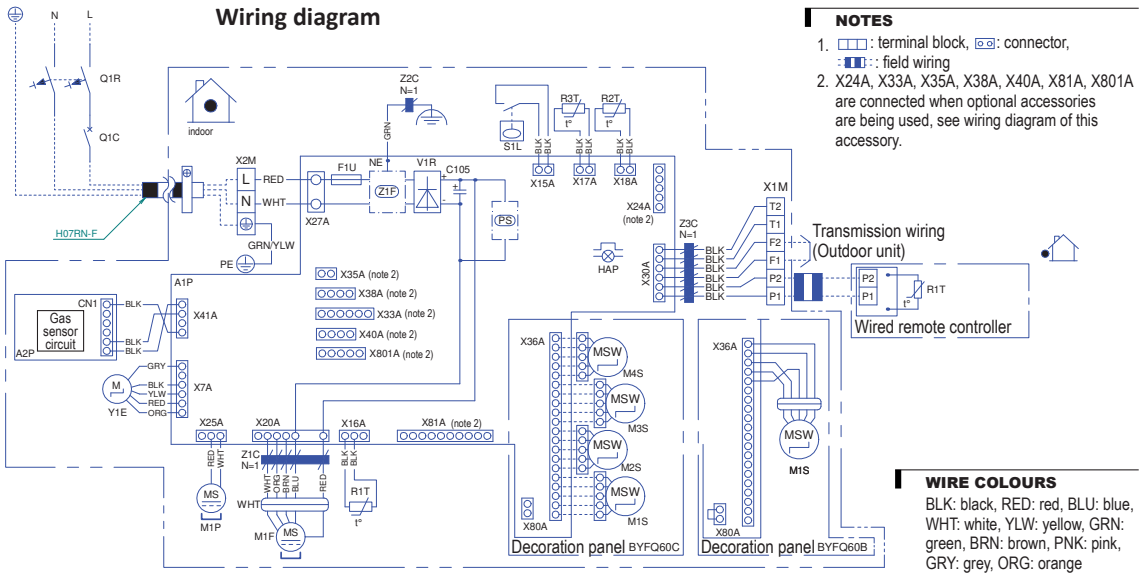
10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXZA-A

Wiring diagram



NOTES

1. ▭▭: terminal block, ▭▭: connector, ▭▮▭: field wiring
2. X24A, X33A, X35A, X38A, X40A, X81A, X801A are connected when optional accessories are being used, see wiring diagram of this accessory.

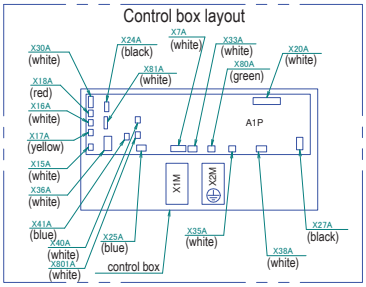
WIRE COLOURS

BLK: black, RED: red, BLU: blue, WHT: white, YLW: yellow, GRN: green, BRN: brown, PNK: pink, GRY: grey, ORG: orange

Indoor unit	
A1P	Printed circuit board (main)
C105	Capacitor
F1U	Fuse (T, 3.15A, 250V)
HAP	Flashing lamp (service monitor: green)
M1P	Motor (drain pump)
M1F	Motor (indoor fan)
R1T	Thermistor (air)
R2T, R3T	Thermistor (coil)
S1L	Float switch (drain pump)
V1R	Diode bridge
X7A-X801A	Connector
X1M	Terminal block (remote controller)
X2M	Terminal block (power supply)

Indoor unit	
Z1C-Z3C	Ferrite core
Z1F	Noise filter
PS	Switching power supply
Y1E	Electronic expansion valve
Q1R	Residual current device
Q1C	Circuit breaker
NE	Noiseless earth
CN1	Gas sensor connector
A2P	Printed circuit board (gas sensor)
Wired remote controller	
R1T	Thermistor (air)
Decoration panel	
M1S-M4S	Motor (swing blade)

Control box layout



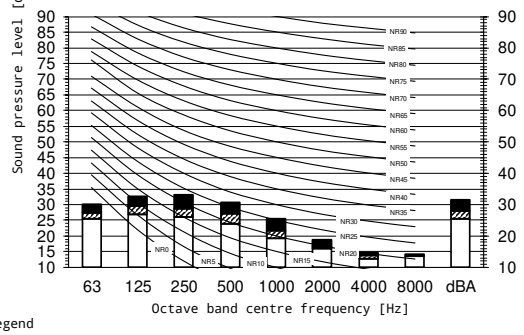
3D128234

11 Sound data

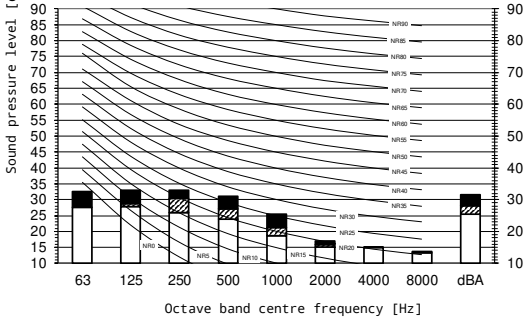
11 - 1 Sound Pressure Spectrum

FXZA15A

Cooling mode



Heating mode



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

	Scale
A	
B	High
C	Medium
D	Low

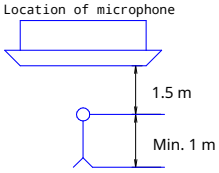
Cooling — Total dBA

A	B	C	D
dBA	31.5	28.0	25.5

Heating — Total dBA

A	B	C	D
dBA	31.5	28.0	25.5

Location of microphone



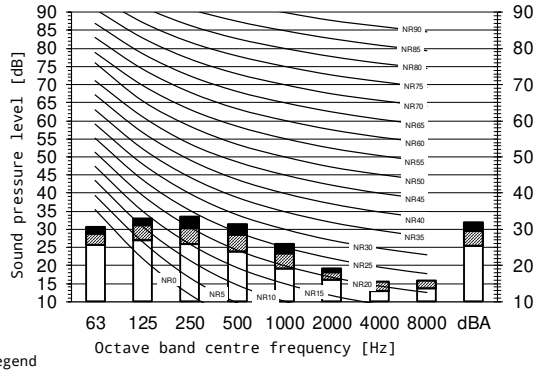
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

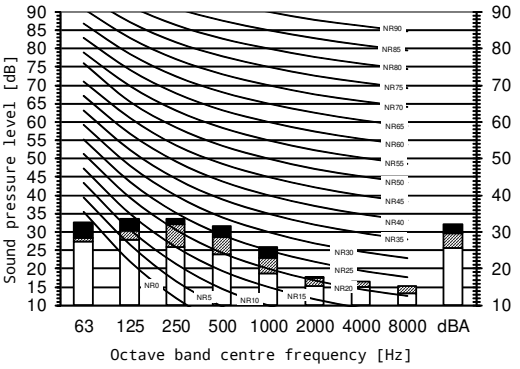
3D129007

FXZA20A

Cooling mode



Heating mode



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

	Scale
A	
B	High
C	Medium
D	Low

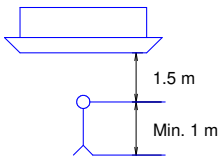
Cooling — Total dBA

A	B	C	D
dBA	32.0	29.5	25.5

Heating — Total dBA

A	B	C	D
dBA	32.0	29.5	25.5

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

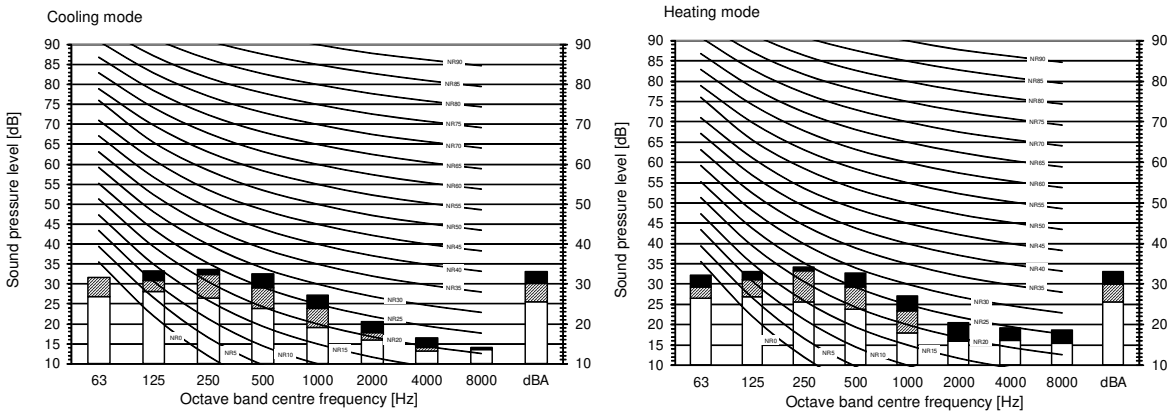
3D082566B

11 Sound data

11 - 1 Sound Pressure Spectrum

11

FXZA25A



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale
B High
C Medium
D Low

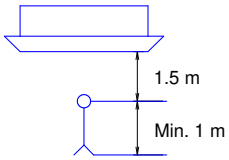
Cooling — Total dBA

A	B	C	D
dBA	33.0	30.0	25.5

Heating — Total dBA

A	B	C	D
dBA	33.0	30.0	25.5

Location of microphone

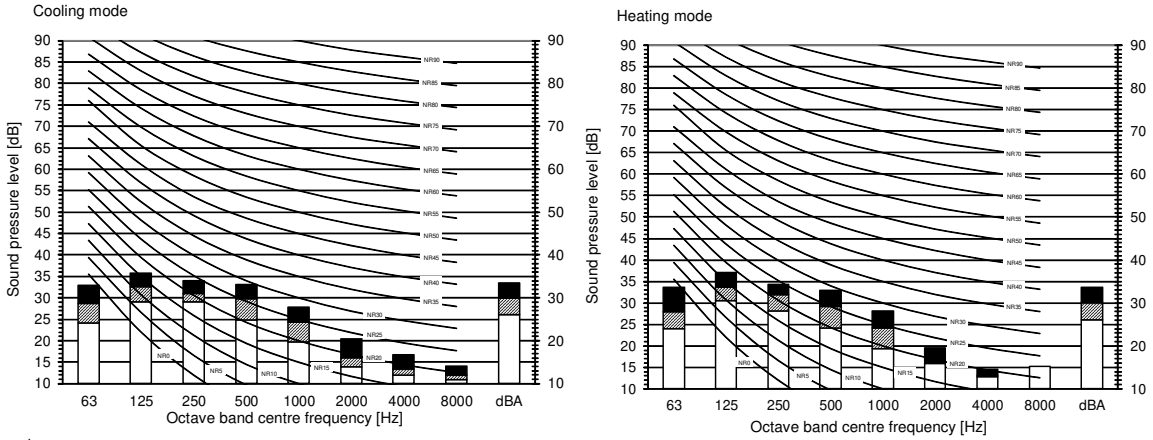


Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D082567B

FXZA32A



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale
B High
C Medium
D Low

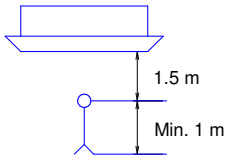
Cooling — Total dBA

A	B	C	D
dBA	33.5	30.0	26.0

Heating — Total dBA

A	B	C	D
dBA	33.5	30.0	26.0

Location of microphone



Notes

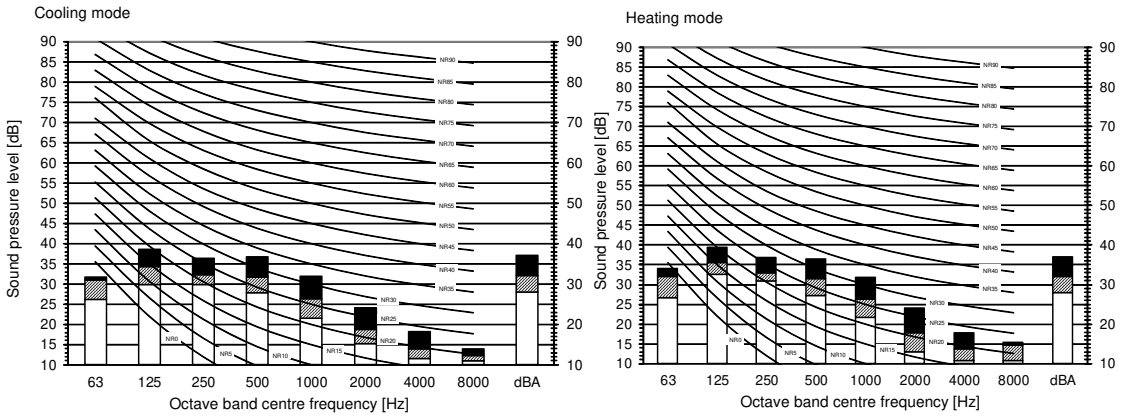
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D082568B

11 Sound data

11 - 1 Sound Pressure Spectrum

FXZA40A



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	
B	High	
C	Medium	
D	Low	

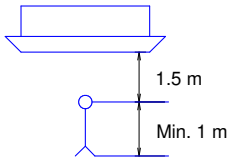
Cooling — Total dBA

A	B	C	D
dBA	37.0	32.0	28.0

Heating — Total dBA

A	B	C	D
dBA	37.0	32.0	28.0

Location of microphone

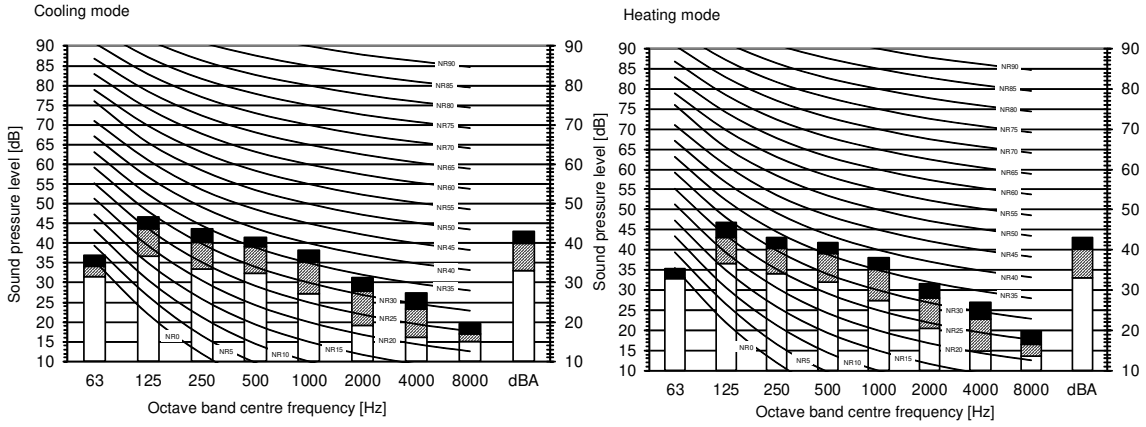


Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D082569B

FXZA50A



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	
B	High	
C	Medium	
D	Low	

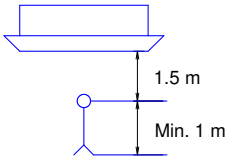
Cooling — Total dBA

A	B	C	D
dBA	43.0	40.0	33.0

Heating — Total dBA

A	B	C	D
dBA	43.0	40.0	33.0

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D082570B

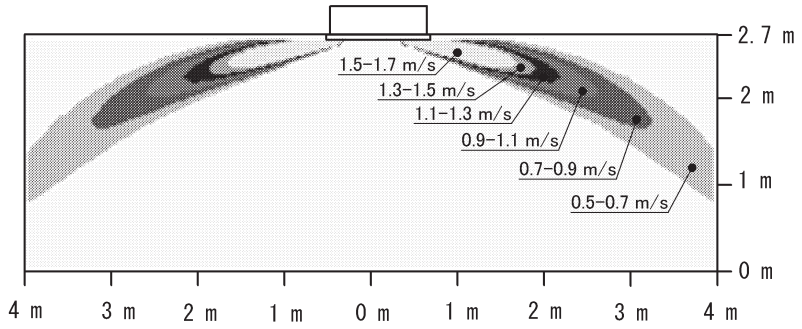
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZA15A

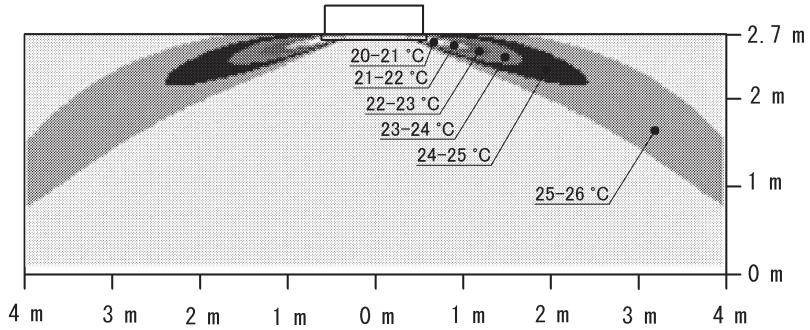
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

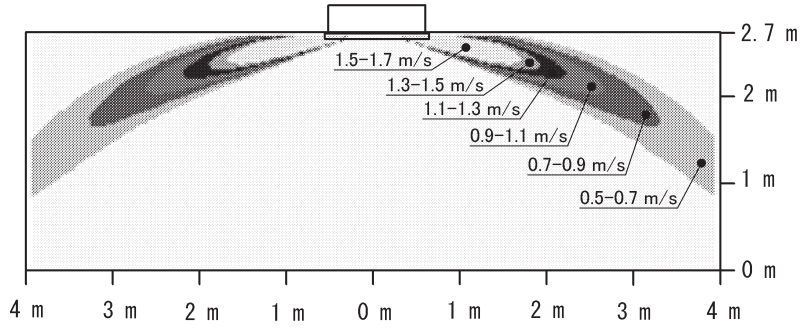


4D083823

FXZA20A

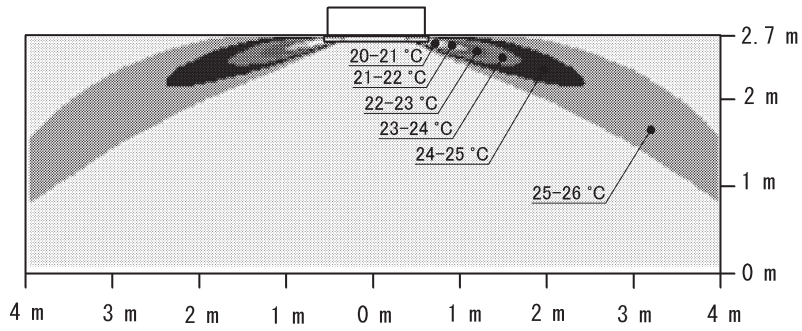
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D083824

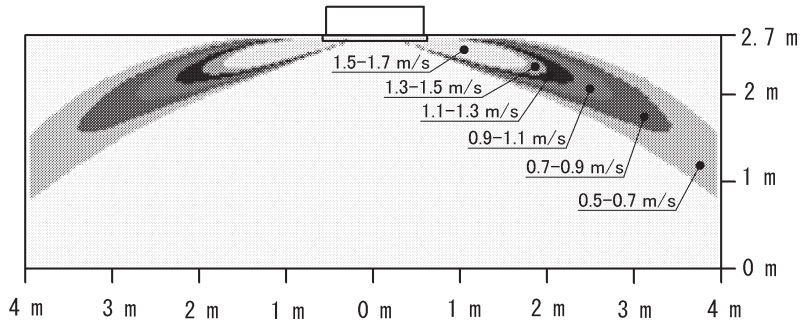
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZA25A

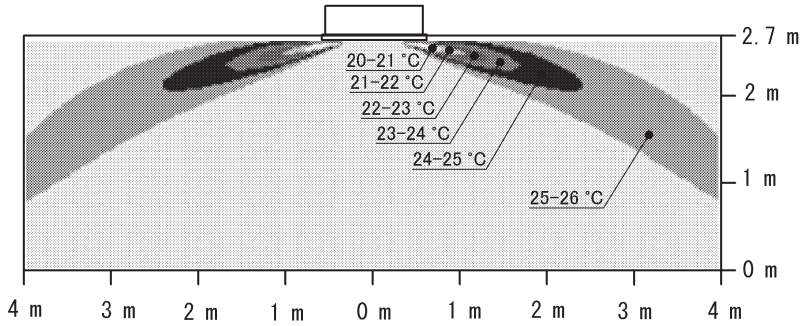
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

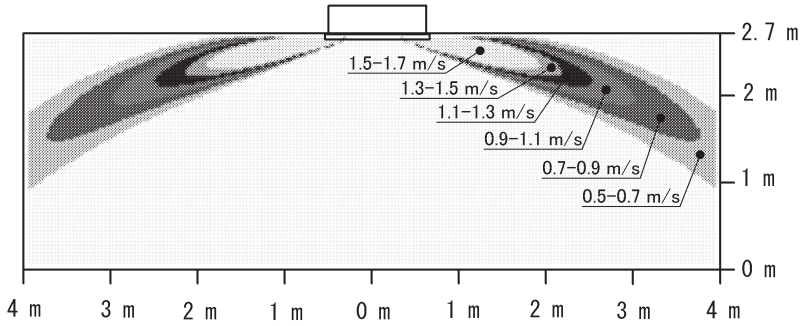


4D083825

FXZA32A

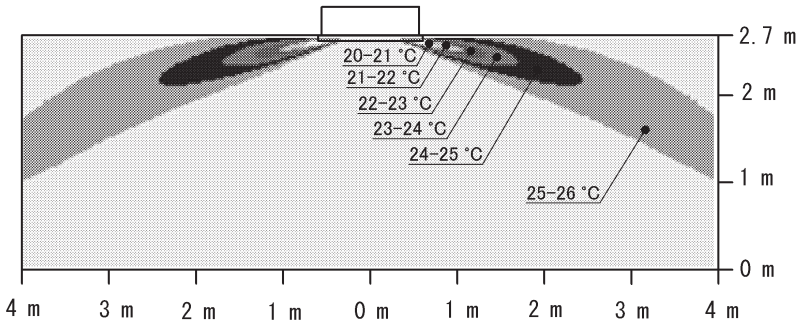
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D083826

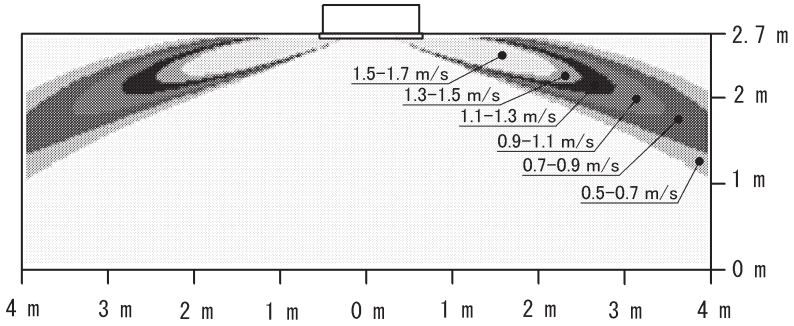
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZA40A

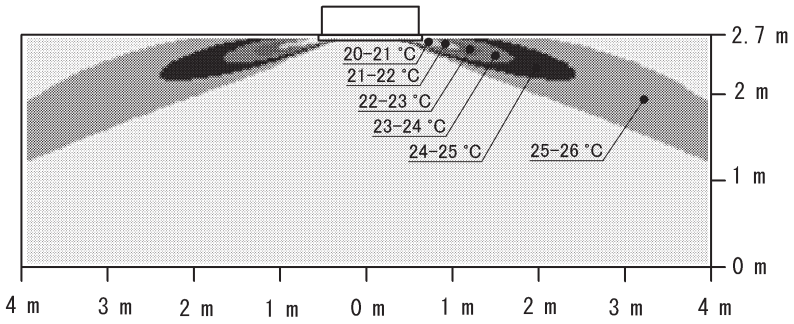
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

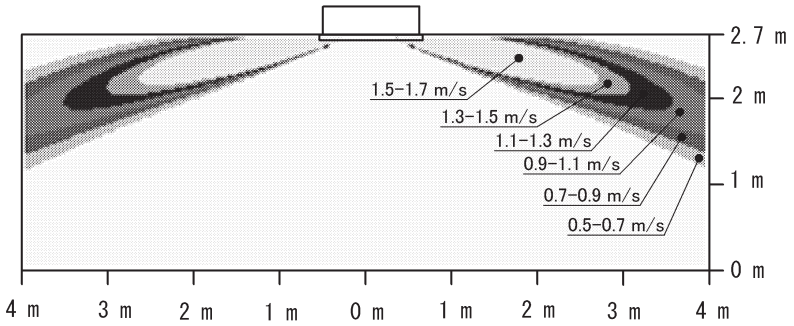


4D083827

FXZA50A

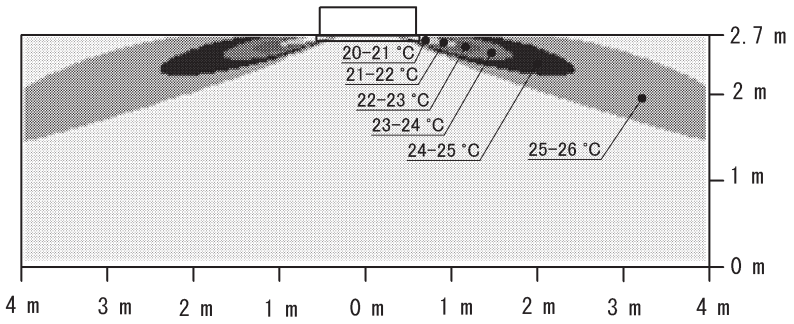
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D083828

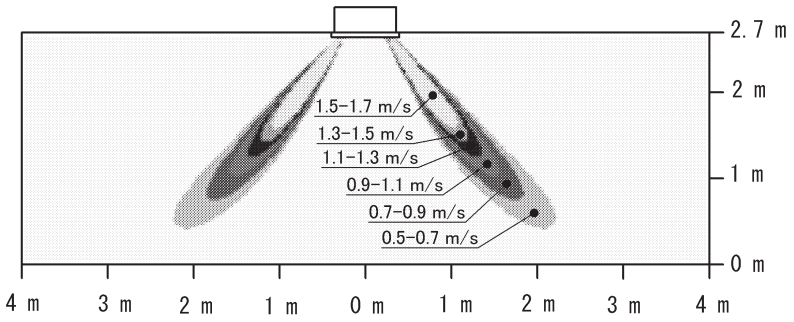
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXZA15A

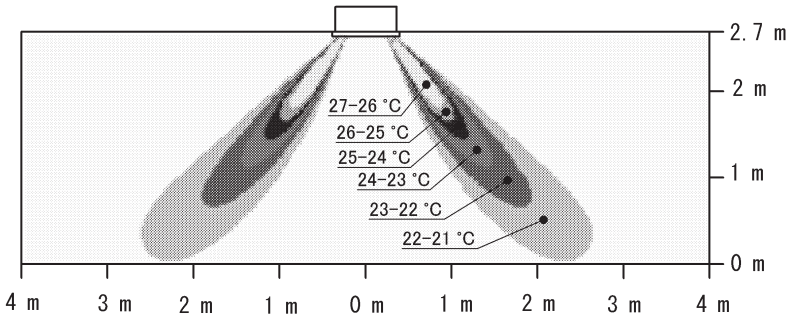
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

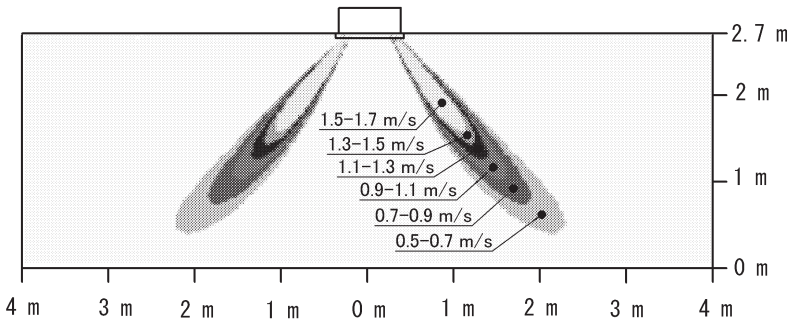


4D083833

FXZA20A

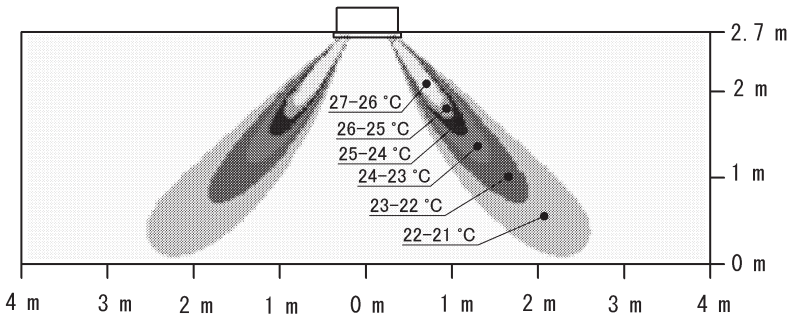
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083834

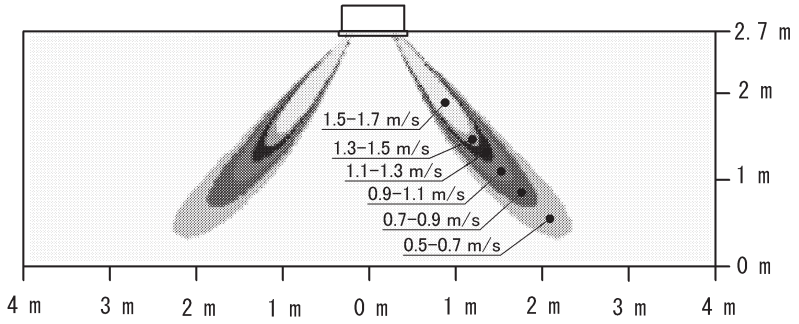
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXZA25A

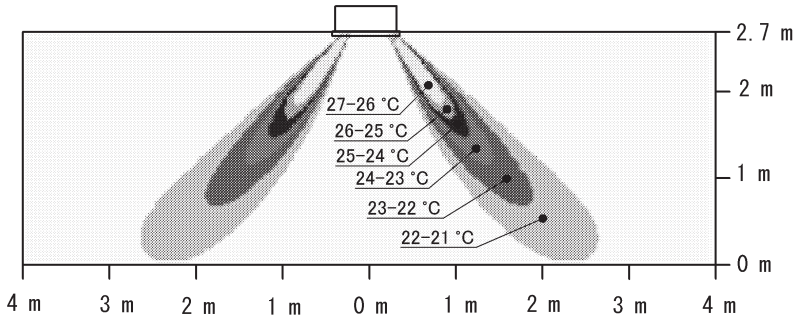
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

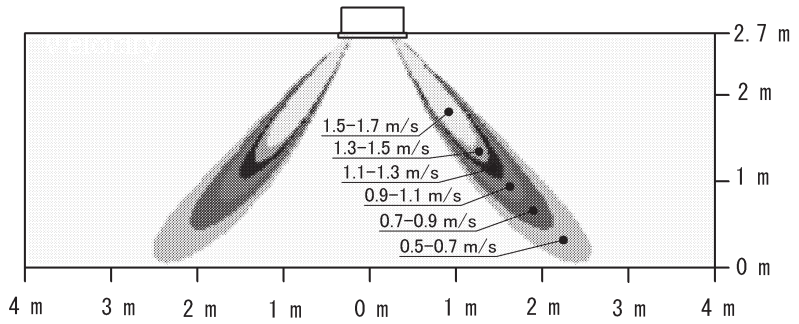


4D083835

FXZA32A

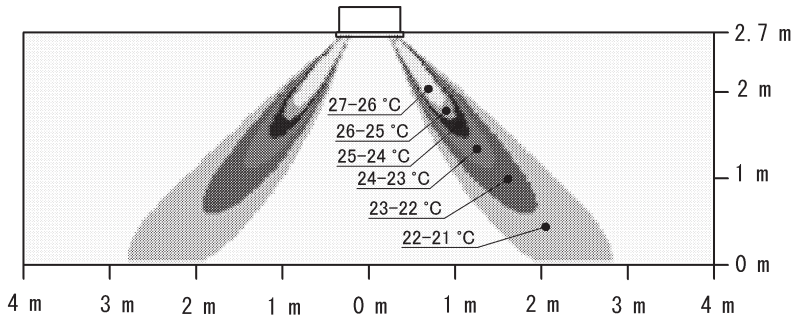
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083836

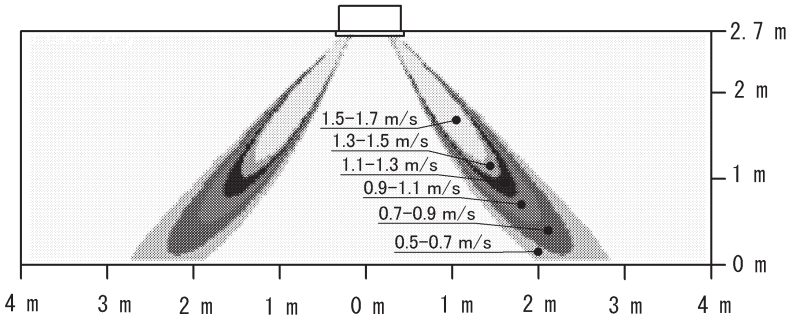
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

FXZA40A

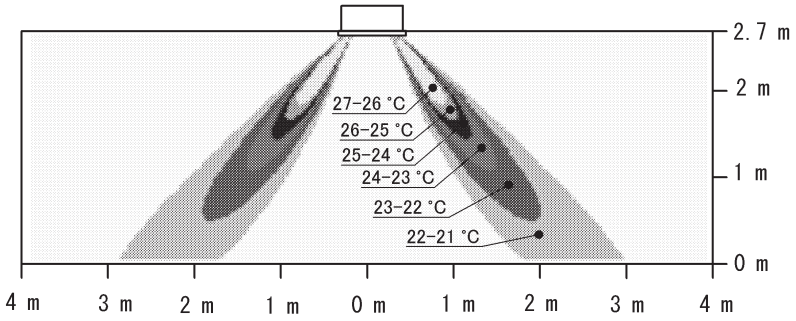
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

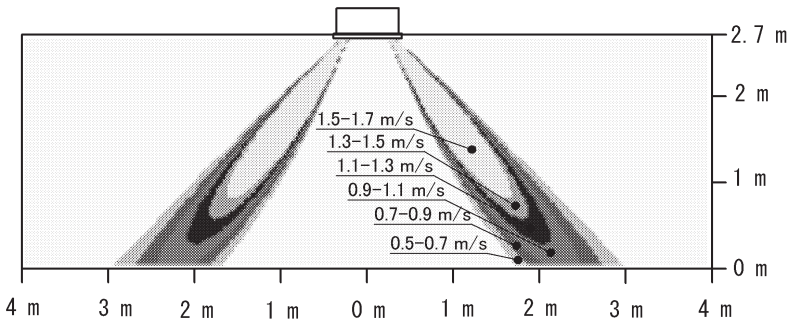


4D083837

FXZA50A

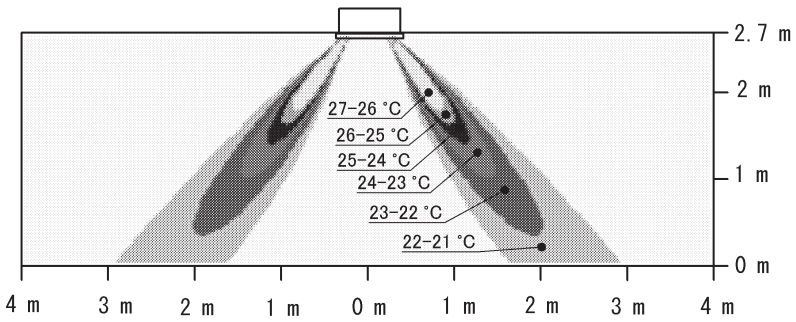
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083838

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07/2020