

Fully flat cassette Air Conditioning Technical Data FXZQ-A



FXZQ15A2VEB
FXZQ20A2VEB
FXZQ25A2VEB
FXZQ32A2VEB
FXZQ40A2VEB
FXZQ50A2VEB

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1 Features

1 - 1 FXZQ-A

Unique design in the market that integrates fully flat into the ceiling

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- › 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
- › 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.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Standard drain pump with 630mm lift increases flexibility and installation speed



Inverter



Presence & floor sensor (optional)



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 (3 steps)



Dry programme



Air filter



Weekly timer (optional)



Infrared remote control (optional)



Wired remote control (optional)



Centralised control (optional)



Auto-restart



Self diagnosis



Multi tenant (optional)



Drain pump kit (standard)

2 Specifications

1 - 1 FXZQ-A

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Technical specifications				FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A	
Cooling capacity	Sensible capacity	At high fan speed	kW	1.40	1.70	2.00	2.40	3.30	4.10	
	Latent capacity	At high fan speed	kW	0.300	0.500	0.800	1.20	-	1.50	
	Total capacity	At high fan speed	kW	1.70	2.20	2.80	3.60	4.50	5.60	
Heating capacity	Total capacity	At high fan speed	kW	1.90	2.50	3.20	4.00	5.00	6.30	
Power input - 50Hz	Cooling	At high fan speed	kW	0.018 (1)		0.020 (1)	0.019 (1)	0.029 (1)	0.048 (1)	
		At medium fan speed	kW	0.013 (1)		0.016 (1)	0.015 (1)	0.019 (1)	0.036 (1)	
		At low fan speed	kW	0.0100 (1)			0.011 (1)	0.014 (1)	0.019 (1)	
	Heating	At high fan speed	kW	0.018 (1)		0.020 (1)	0.019 (1)	0.029 (1)	0.048 (1)	
		At medium fan speed	kW	0.013 (1)		0.016 (1)	0.015 (1)	0.019 (1)	0.036 (1)	
		At low fan speed	kW	0.0100 (1)			0.011 (1)	0.014 (1)	0.019 (1)	
Power input - 60Hz	Cooling	At high fan speed	kW	0.018 (1)		0.020 (1)	0.019 (1)	0.029 (1)	0.048 (1)	
	Heating	At high fan speed	kW	0.018 (1)		0.020 (1)	0.019 (1)	0.029 (1)	0.048 (1)	
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		m²	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	m³/min	8.5	8.7	9.0	10.0	11.5	14.5
			At medium fan speed	m³/min	7.00	7.50	8.00	8.50	9.50	12.5
			At low fan speed	m³/min	6.5			7.0	8.0	10.0
		Heating	At high fan speed	m³/min	8.5	8.7	9.0	10.0	11.5	14.5
At medium fan speed			m³/min	7.0	7.5	8.0	8.5	9.5	12.5	
Fan	Air flow rate - 50Hz	Heating	At low fan speed	m³/min	6.5			7.0	8.0	10.0
Sound power level	Cooling	At high fan speed	dB(A)	49			50	51	54	60
Sound pressure level	Cooling	At high fan speed	dB(A)	31.5	32.0	33.0	33.5	37.0	43.0	
		At medium fan speed	dB(A)	28.0	29.5	30.0		32.0	40.0	
		At low fan speed	dB(A)	25.5			26.0	28.0	33.0	
	Heating	At high fan speed	dB(A)	31.5	32.0	33.0	33.5	37.0	43.0	
		At medium fan speed	dB(A)	28.0	29.5	30.0		32.0	40.0	
		At low fan speed	dB(A)	25.5			26.0	28.0	33.0	
Fan motor	Model	QTS32D15M								
	Speed	Steps	3							
Refrigerant	Type	R-410A								
	GWP	2,087.5								
Piping connections	Liquid	Type	Flare connection							
		OD	mm	6						
	Gas	Type	Flare connection							
		OD	mm	12.7						
	Drain		VP20 (I.D. 20/O.D. 26)							
	Heat insulation		Foamed polystyrene / Foamed polyethylene							
Sound absorbing insulation		Foamed polyurethane								
Decoration panel	Model		BYFQ60C2W1W							
	Colour		White (N9.5)							
	Dimen-sions	Height	mm	46						
		Width	mm	620						
		Depth	mm	620						
	Weight		kg	2.8						

2 Specifications

1 - 1 FXZQ-A

Technical specifications				FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A
Decoration panel 2	Model			BYFQ60C2W1S					
	Colour			SILVER					
	Dimen- sions	Height	mm	46					
		Width	mm	620					
		Depth	mm	620					
	Weight			kg	2.8				
Decoration panel 3	Model			BYFQ60B2W1					
	Colour			White (RAL9010)					
	Dimen- sions	Height	mm	55					
		Width	mm	700					
		Depth	mm	700					
	Weight			kg	2.7				
Decoration panel 4	Model			BYFQ60B3W1					
	Colour			WHITE (RAL9010)					
	Dimen- sions	Height	mm	55					
		Width	mm	700					
		Depth	mm	700					
	Weight			kg	2.7				
Air filter	Type			Resin net					
Control systems	Infrared remote control			BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel)					
	Wired remote control			BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					
	Simplified wired remote control for hotel applications			BRC2E52C (heat recovery type) / BRC3E52C (heat pump type)					

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Installation 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;

Electrical specifications			FXZQ15A	FXZQ20A	FXZQ25A	FXZQ32A	FXZQ40A	FXZQ50A
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	16					
	Full load amps (FLA) Total	A	0.2			0.3		0.5

(1)Values are valid for the factory setting. |

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

(3)Dimensions do not include control box |

(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 x FLA |

(8)MFA ≤ 4 x FLA |

(9)Next lower standard fuse rating minimum 16A |

(10)Contains fluorinated greenhouse gases |

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

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

3 Electrical data

3 - 1 Electrical Data

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FXZQ-A

Model	Unit		Voltage range	Power supply		IFM	Power input [W]	
	Hz	Voltage		MCA	MFA	FLA	Cooling	Heating
FXZQ15A2VEB	50/60	220-240/220	MAX. 264/MAX. 242 MIN. 198/MIN. 198	0,3	16	0,2	43	36
FXZQ20A2VEB				0,3	16	0,2	43	36
FXZQ25A2VEB				0,3	16	0,2	43	36
FXZQ32A2VEB				0,4	16	0,3	45	38
FXZQ40A2VEB				0,4	16	0,3	59	53
FXZQ50A2VEB				0,6	16	0,5	92	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 / MFA
 $MCA = 1,25 \times FLA$
 $MFA \leq 4 \times FLA$
The next lower standard fuse rating is minimum -16- ampere.
- 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

FXZQ-A

Safety devices		FXZQ-A
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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Options

5 - 1 Options

FXZQ-A

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		Compatibility						Availability	
								VRV	SA
Option kit	Product name	New/Existing	BYFQ60B2W1 BYFQ60B3W1	BYFQ60C2W1W	BYFQ60C2W1S	BYFQ60C4W1W	BYFQ60C4W1S	FXZQ15A2VEB FXZQ20A2VEB FXZQ25A2VEB FXZQ32A2VEB FXZQ40A2VEB FXZQ50A2VEB	FFQ25C2VEB FFQ35C2VEB FFQ50C2VEB FFQ60C2VEB
Decoration panel - Standard	BYFQ60B2W1	New	-	-	-	-	-	✓	✓
Decoration panel - Standard	BYFQ60B3W1	New	-	-	-	-	-	✓	✓
Decoration panel - White	BYFQ60C2W1W	New	-	-	-	-	-	✓	✓
Decoration panel - Silver	BYFQ60C2W1S	New	-	-	-	-	-	✓	✓
Decoration panel - White	BYFQ60C4W1W (13)	New	-	-	-	-	-	✓	✓
Decoration panel - Silver	BYFQ60C4W1S (13)	New	-	-	-	-	-	✓	✓
Conversion wire harness	EKR522	New	No	No	No	Yes	Yes	✓	✓
Sensor kit - White	BRYQ60A2W(3)	New	No	Yes	No	Yes	No	✓	✓
Sensor kit - Silver	BRYQ60A2S(3)	New	No	No	Yes	No	Yes	✓	✓
Air discharge outlet sealing member	BDBHQ44C60	New	Yes	Yes	Yes	Yes	Yes	✓	✓
Panel spacer	KDBQ44B60	Existing	Yes	No	No	No	No	✓	✓
Long-life replacement filter	KAFQ441BA60	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Fresh air intake kit	KDQ44A4A60	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Remote control Infrared type HP	BRC7E8530W(1)(2)	New	Yes	No	No	No	No	✓	✓
Remote control Infrared type -HP White	BRC7F530W(1)(2)	New	No	Yes	No	Yes	No	✓	✓
Remote control Infrared type -HP Silver	BRC7F530S(1)(2)	New	No	No	No	Yes	No	✓	✓
Wired remote control	BRC1D528(2)	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Wired remote control	BRC1E53A7(8)/BRC1E53B7(9)/BRC1E53C7(10)(11)	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Simplified remote control (with operation mode selector button)	BRC2E52C(5)(11)	New	Yes	Yes	Yes	Yes	Yes	✓	✓
Simplified remote control (without operation mode selector button)	BRC3E52C(5)(11)	New	Yes	Yes	Yes	Yes	Yes	✓	✓
Central remote control	DCS302B51	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Unified ON/OFF controller	DCS301B51	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Schedule timer	DST301B51	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Wiring adaptor for electrical appendices	KRP1B57	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Wiring adaptor for electrical appendices	KRP2A526	Existing	Yes	Yes	Yes	Yes	Yes	✓	✗
Wiring adaptor for electrical appendices	KRP4A53	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Wiring adaptor (hour meter)	EKRPIB2	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Installation box for adaptor PCB	KRP1B101, KRP1BA101	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Remote sensor	KRC501-4B	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
PCB for multi-tenant indoor units	DTA114A61	Existing	Yes	Yes	Yes	Yes	Yes	✓	✗
iTouch Controller	DCS601CS1	Existing	Yes	Yes	Yes	Yes	Yes	✓	✓
Digital input adaptor	BRP7A53(6)	New	Yes	Yes	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 Included languages are:
Language pack -1-: English, German, French, Dutch, Spanish, Italian, and Portuguese.
With PC cable -EKPCAB3- in combination with the Updater PC software, you can additionally change the language to:
Language pack -2-: English, Bulgarian, Croatian, Czech, Hungarian, Romanian, and Slovenian.
Language pack -3-: English, Greek, Polish, Russian, Serbian, Slovak, and Turkish.
- ⑥ Only possible in combination with remote control -BRC2/3E52C, BRC1E53A/B/C7-.
- ⑦ Requires installation box for adaptor PCB
- ⑧ Included languages are: English, German, French, Italian, Spanish, Portuguese, and Dutch.
- ⑨ Included languages are: English, Czech, Croatian, Hungarian, Slovenian, Romanian, and Bulgarian.
- ⑩ Included languages are: English, Russian, Greek, Turkish, Polish, Albanian, and Slovak.
- ⑪ Language pack -3- of controller -BRC1E53C7- is different from that of controller -BRC2/3E52C7-.
- ⑫ Editable data for this drawing are available in the -GDE (E-BOM)- system.
- ⑬ Only possible in combination with -EKR522-.

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6 Capacity tables

6 - 1 Cooling Capacity Tables

FXZQ-A

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

Unit size	Outdoor°CDB	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
15	35.0	1.1	1.1	1.4	1.3	1.6	1.4	1.7	1.4	1.8	1.4	1.8	1.3	1.9	1.2
20	35.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.4	1.6	2.4	1.5
25	35.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.0	1.9	3.1	1.8
32	35.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	3.9	2.3	4.0	2.2
40	35.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.7	3.3	4.9	3.1	5.0	3.0
50	35.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	4.0	6.2	3.9

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6 Capacity tables

6 - 2 Heating Capacity Tables

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FXZQ-A

Unit size	Outdoor air temp.		Indoor air temp.: °CDB					
	°CDB	°CWB	16.0	18.0	20.0	21.0	22.0	24.0
15	7.0	6.0	2.0	2.0	1.9	1.8	1.8	1.7
20	7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
25	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
32	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
40	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
50	7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5

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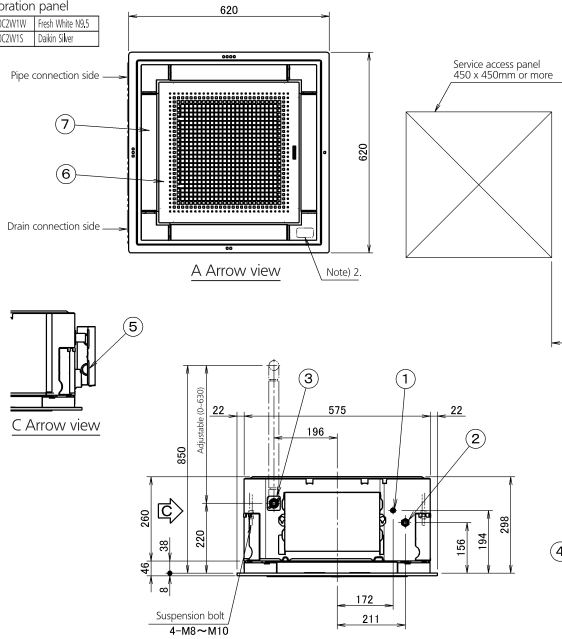
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXZQ-A

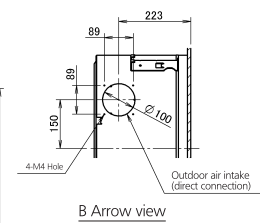
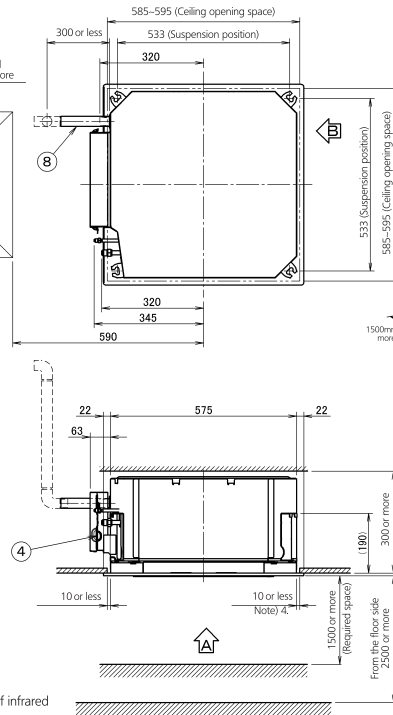
- Decoration panel

BYFQ60C2W1W	Fresh White N9.5
BYFQ60C2W1S	Dalgin Silver

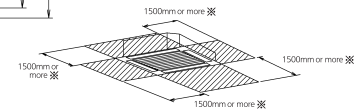


Note:

1. Sticking location for manufacturer's label
Manufacturer's label for indoor unit: on the bell mouth inside suction grille.
Manufacturer's label for decoration panel: on the inner frame inside suction grille.
2. In case of using infrared remote controller, this position will be a signal receiver. Refer to the drawing of infrared remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more glasswool or polyethylene foam) is required.
4. Though the installation is acceptable up to maximum of 595mm square ceiling opening. Keep the clearance of 10mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.



- Required space



※ When the discharge grill is closed, the required space is 200mm or more.

1	Liquid pipe connection	Ø 6,4 flare connection
2	Gas pipe connection	Ø 12,7 flare connection
3	Drain pipe connection	VP20 (ID, Ø 26)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge grille	
7	suction grille	
8	Drain hose (accessory)	ID, Ø 25 (Outlet)

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7 Dimensional drawings

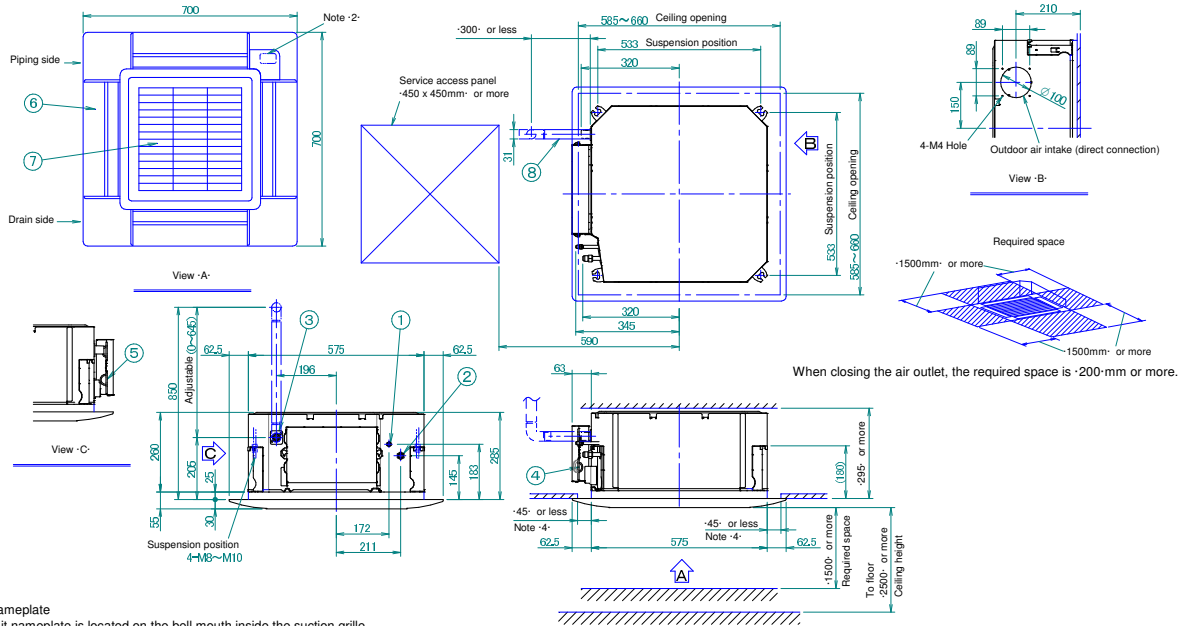
7 - 2 Dimensional Drawings with Accessories

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FXZQ-A

Decoration panel

BYFQ60B2W1 WHITE Ral 9010
BYFQ60B3W1 WHITE Ral 9010



Notes

- 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.
- When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
- 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 $\geq -30^{\circ}\text{C}$ and -80% relative humidity.
Fresh air is introduced into the ceiling.
The unit operates continuously.
- 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
①	Liquid pipe connection - $\varnothing 6.4$
②	Gas pipe connection - $\varnothing 12.7$
③	Drain outlet - VP20- Outer: $\varnothing 26$
④	Power supply

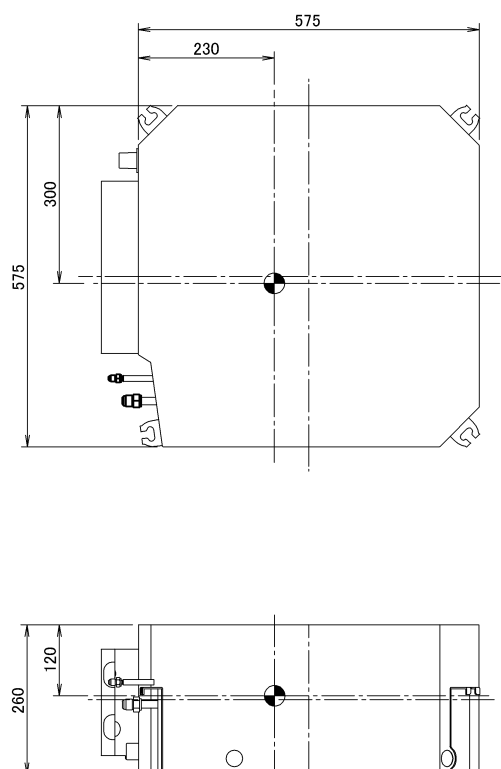
Item	Part name
⑤	Remote control wiring intake
⑥	Air discharge grille
⑦	Air suction grille
⑧	Drain hose Inner: $\varnothing 25$

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8 Centre of gravity

8 - 1 Centre of Gravity

FXZQ-A



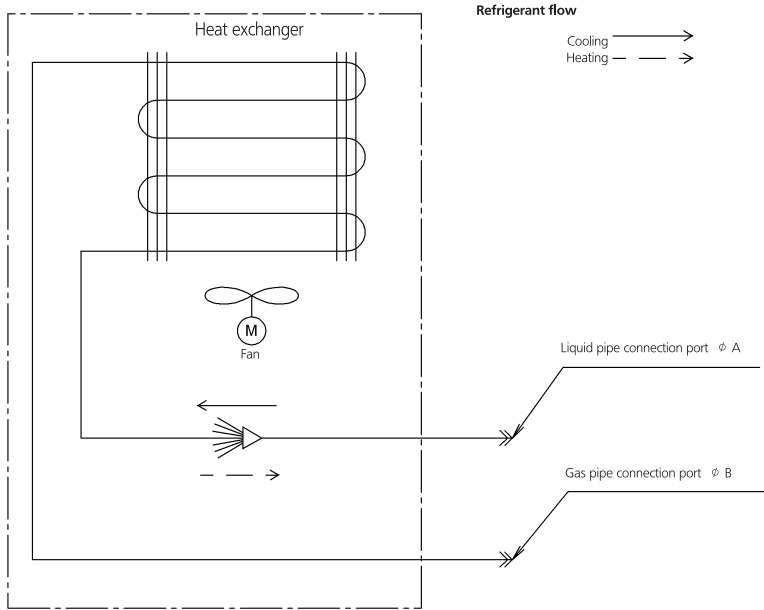
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9 Piping diagrams

9 - 1 Piping Diagrams

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FXZQ-A



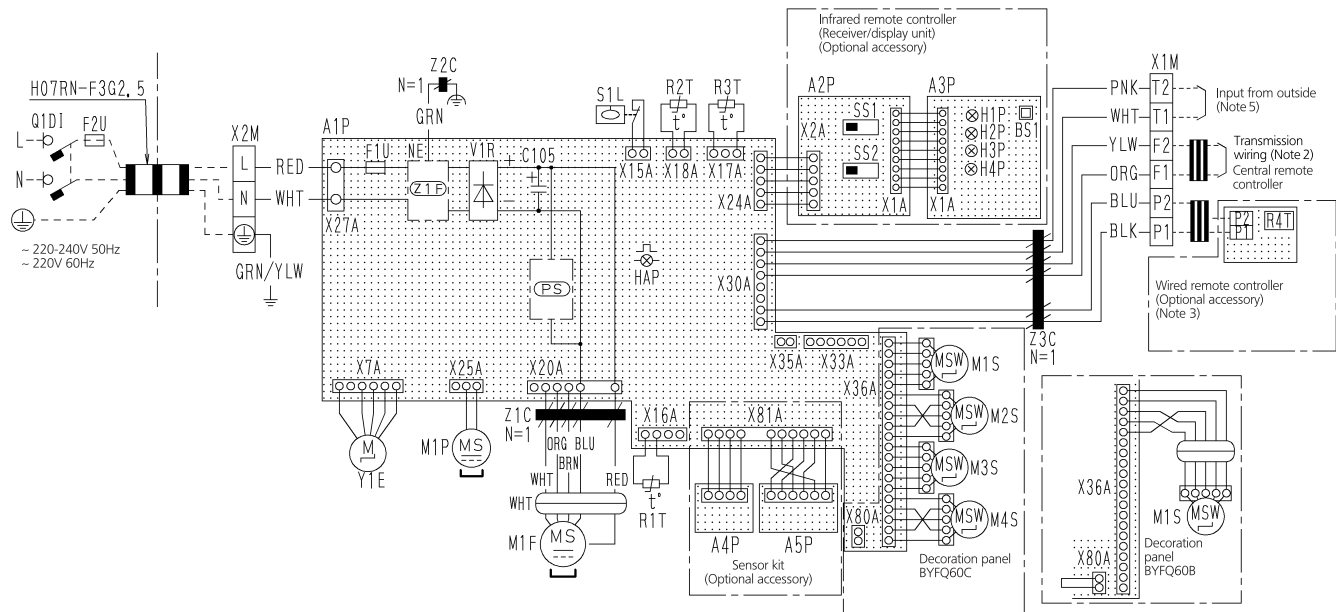
Model	A	B
FXZQ15A	6.35	12.7
FXZQ20A		
FXZQ25A		
FXZQ32A		
FXZQ40A		
FXZQ50A		

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10 Wiring diagrams

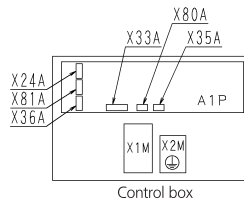
10 - 1 Wiring Diagrams - Single Phase

FXZQ-A



Indoor unit

A1P	Printed circuit board
C105	Capacitor (M1F)
F1U	Fuse (T, 3.15A, 250V)
HAP	Flashing lamp (service monitor-green)
M1F	Fan motor
M1P	Drain pump motor
M1S • M2S M3S • M4S	Swing motor
R1T	Thermistor (air)
R2T • R3T	Thermistor (coil)
S1L	Float switch
V1R	Diode bridge
X1M	Terminal block
X2M	Terminal block
Y1E	Electronic expansion valve
Z1F	Noise filter
Z1C	Ferrite core
Z2C	Ferrite core
Z3C	Ferrite core
PS	Switching power supply



Infrared remote controller (Receiver/display unit)

A2P	Printed circuit board
A3P	Printed circuit board
BS1	Push button switch on PCB
H1P	Pilot lamp (on-red)
H2P	Pilot lamp (timer-green)
H3P	Pilot lamp (filter sign-red)
H4P	Pilot lamp (defrost-orange)
SS1	Selector switch (main/sub)
SS2	Selector switch (infrared address set)

Sensor kit

A4P	Printed circuit board
A5P	Printed circuit board
Wired remote controller	
R4T	Thermistor (air)
Connector for optional parts	
X24A	Connector (Infrared remote controller)
X33A	Connector (adapter for wiring)
X35A	Connector (Power supply for adapter)
X81A	Connector (Sensor kit)
Power supply	
F2U	Fuse
Q1DI	Earth leak detector

Notes

- : Terminal block, ○ : Connector, — : Field wiring
- In case of using central remote controller, connect it to the unit in accordance with the attached installation manual.
- In case of main/sub changeover, see the installation manual attached to remote controller.
- Symbols show as follows: BLK:Black RED:Red BLU:Blue WHT:White YLW:Yellow GRN:Green ORG:Orange BRN:Brown PNK:Pink.
- When connecting the input wiring from outside, forced off or on/off control operation can be selected by the remote controller See installation manual for more details.

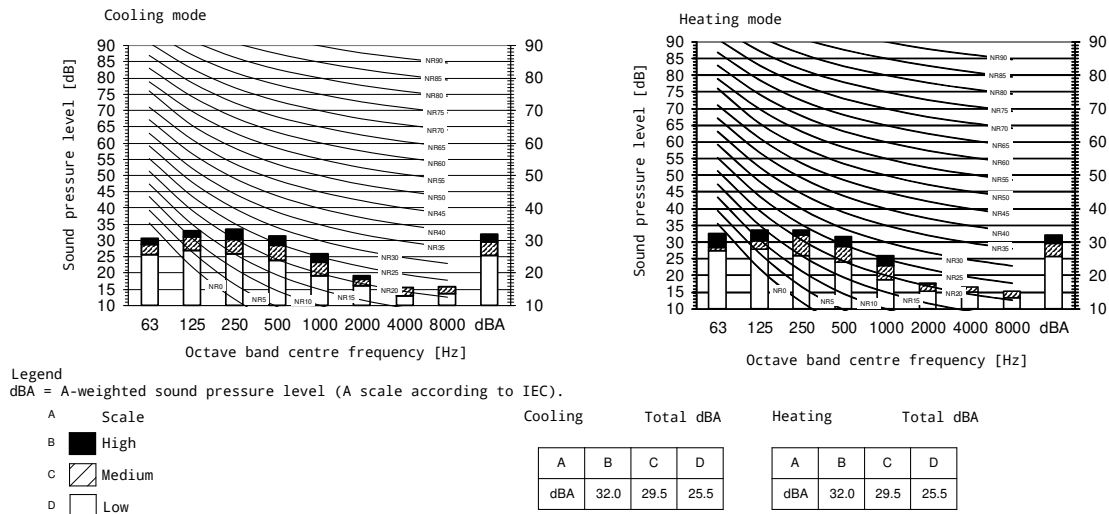
3D081396A

11 Sound data

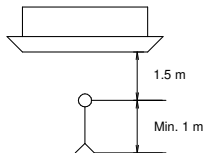
11 - 1 Sound Pressure Spectrum

11

FXZQ15-20A



Location of microphone

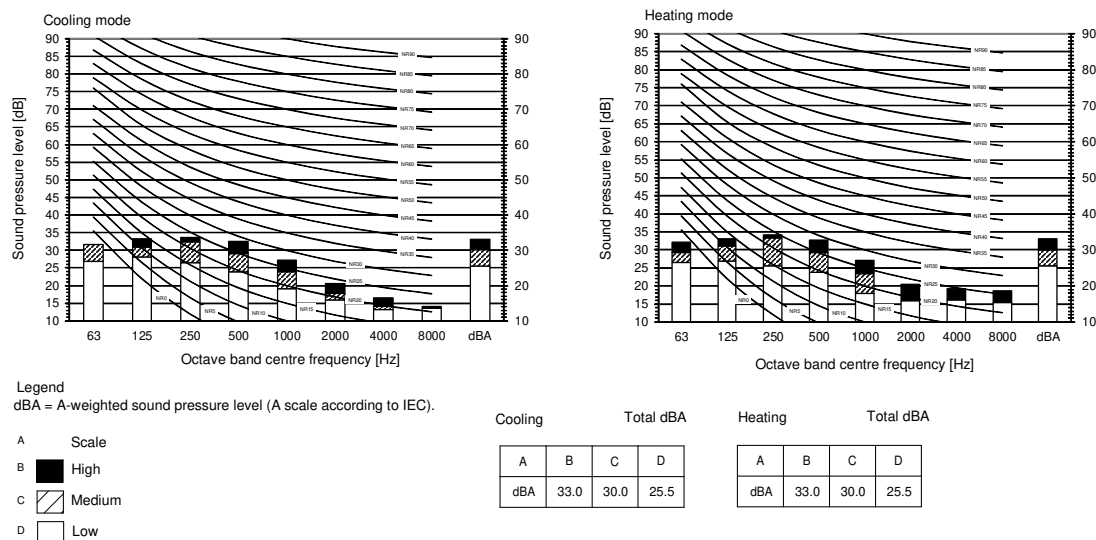


Notes

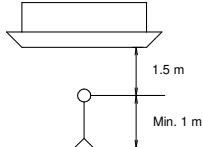
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2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D082566B

FXZQ25A



Location of microphone



Notes

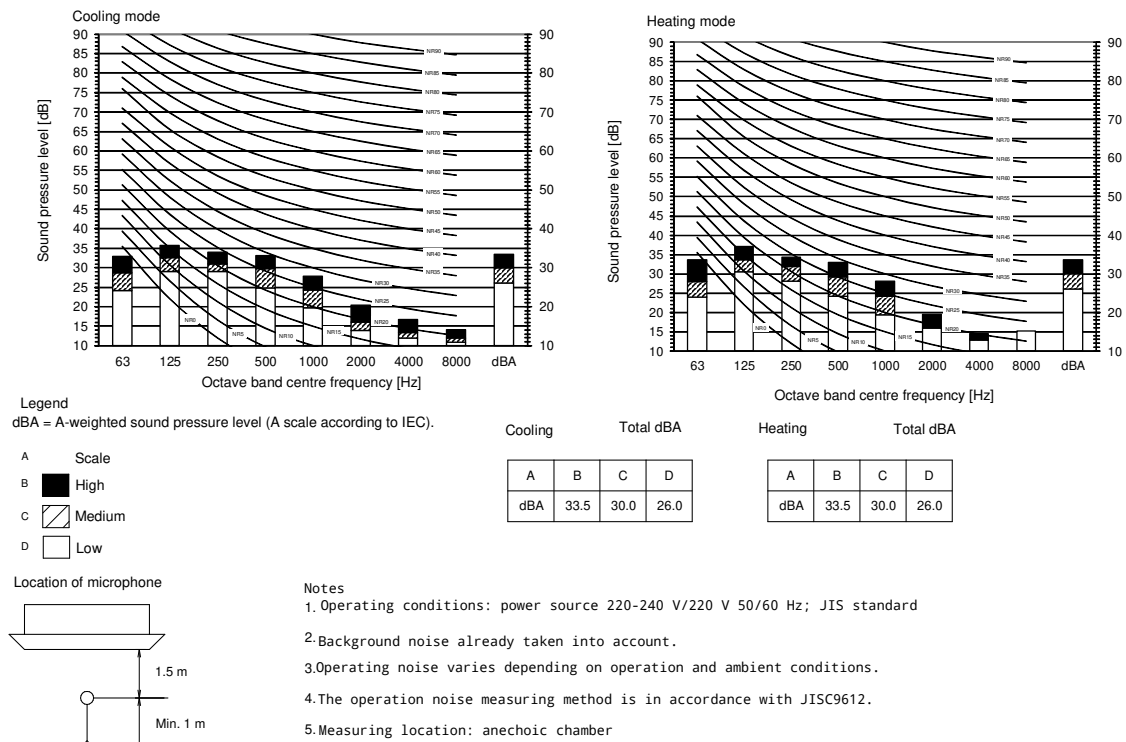
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2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D082567B

11 Sound data

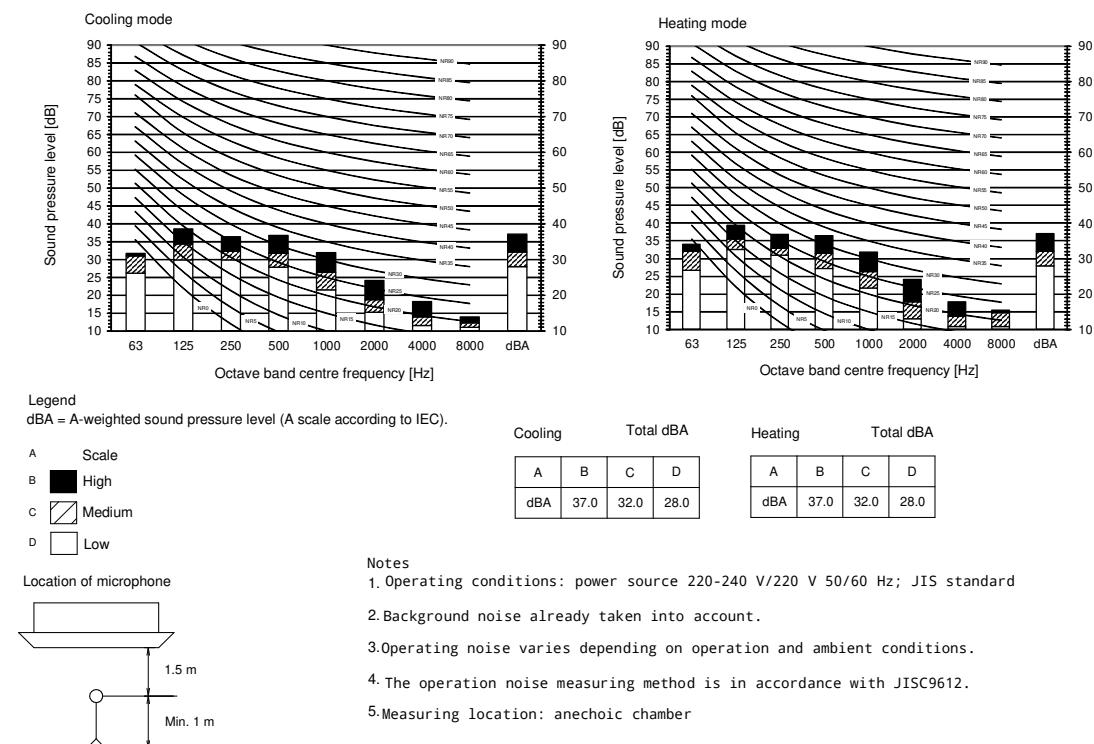
11 - 1 Sound Pressure Spectrum

FXZQ32A



3D082568B

FXZQ40A



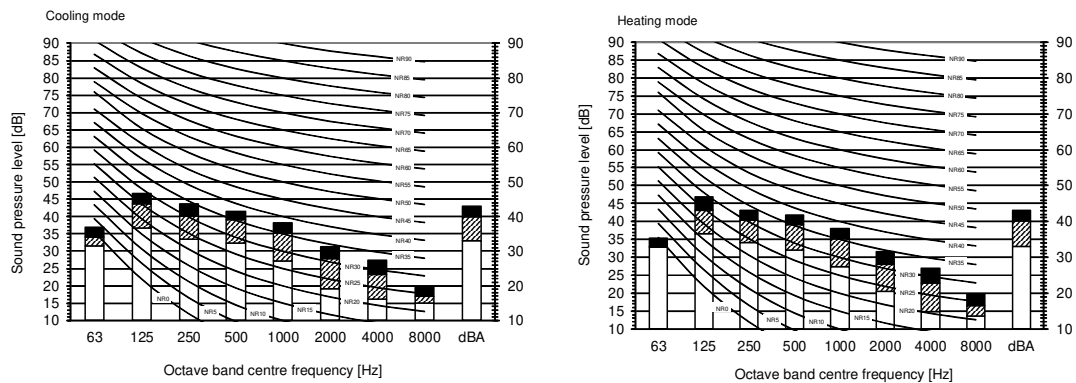
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11 Sound data

11 - 1 Sound Pressure Spectrum

11

FXZQ50A

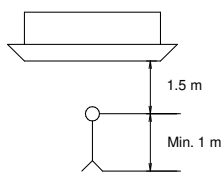


Legend

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

- A Scale
- B High
- C Medium
- D Low

Location of microphone



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

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

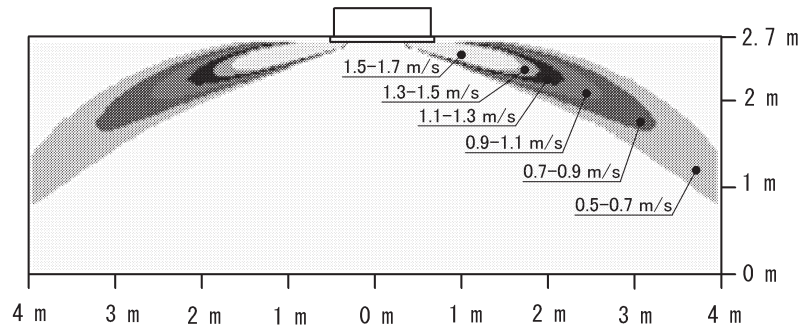
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZQ15A

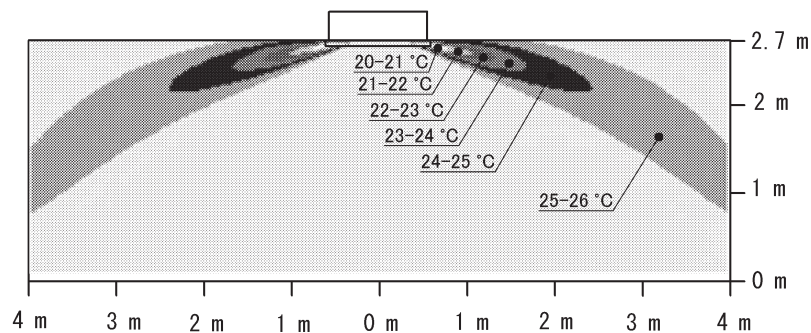
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

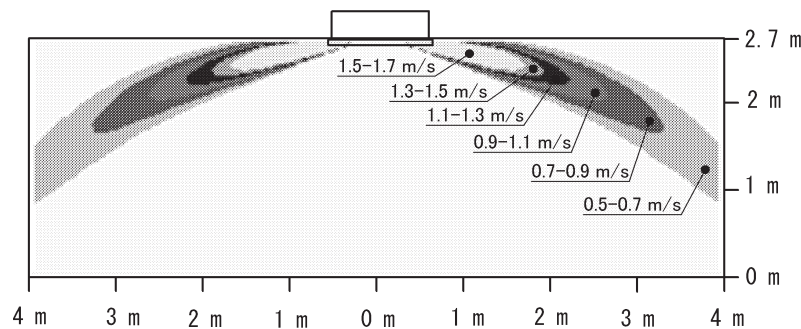


4D083823

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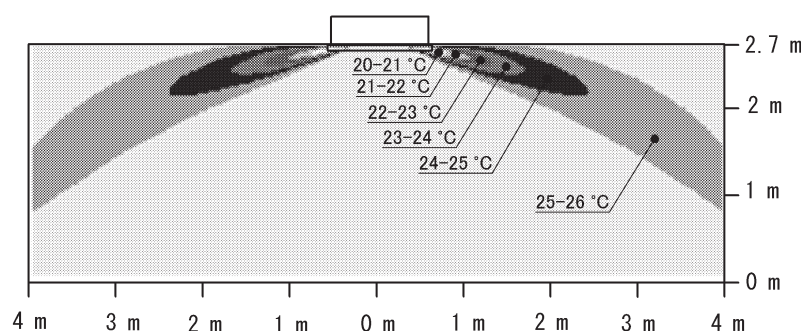
Cooling air velocity distribution

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

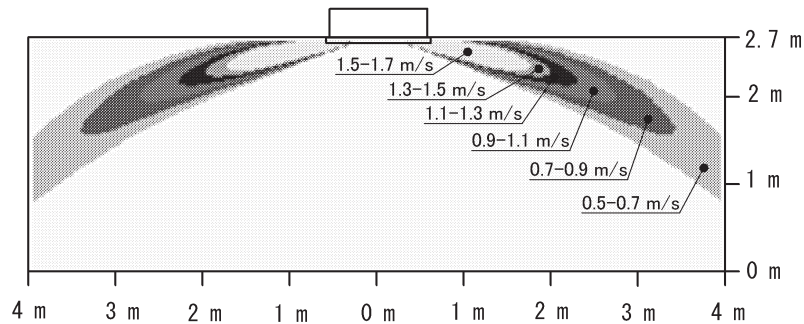
12 - 1 Air Flow Pattern - Cooling

12

FXZQ25A

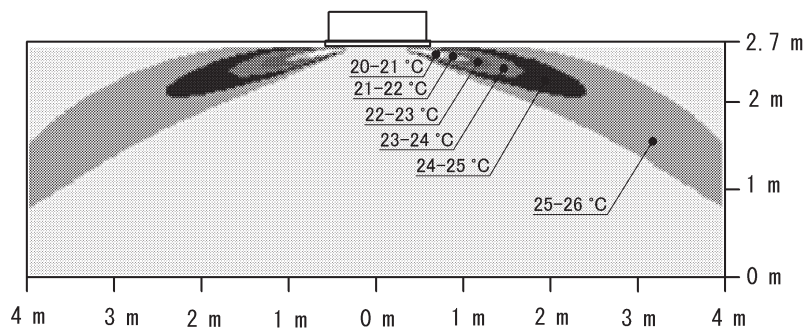
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

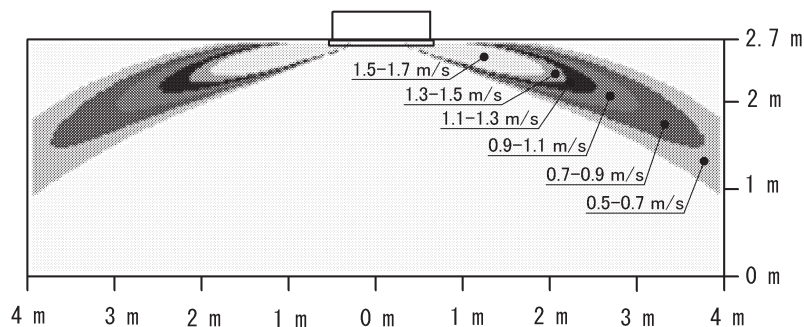


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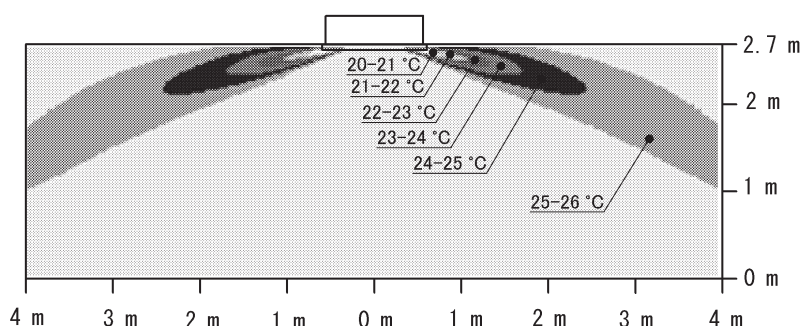
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal



4D083826

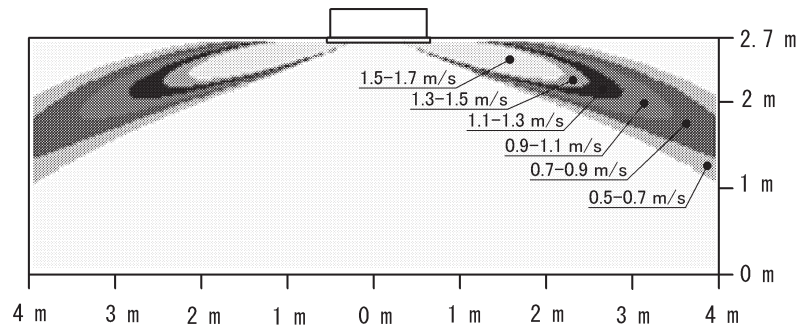
12 Air flow patterns

12 - 1 Air Flow Pattern - Cooling

FXZQ40A

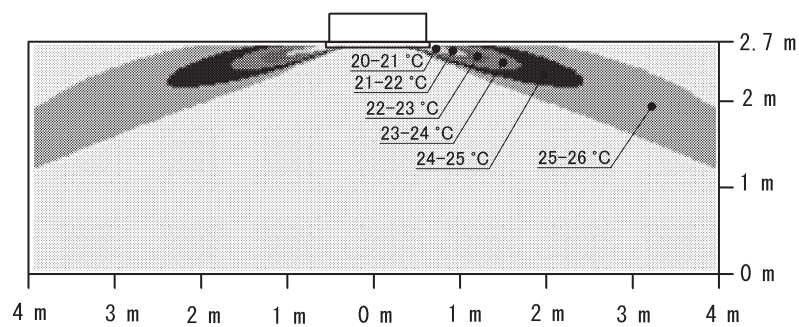
Cooling air velocity distribution

All round air discharge, air flow direction: horizontal



Cooling air temperature distribution

All round air discharge, air flow direction: horizontal

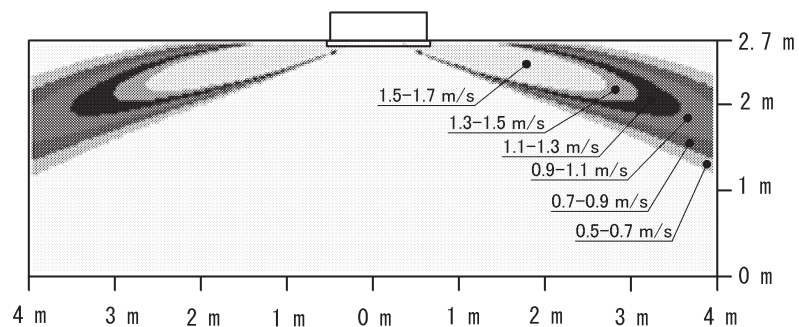


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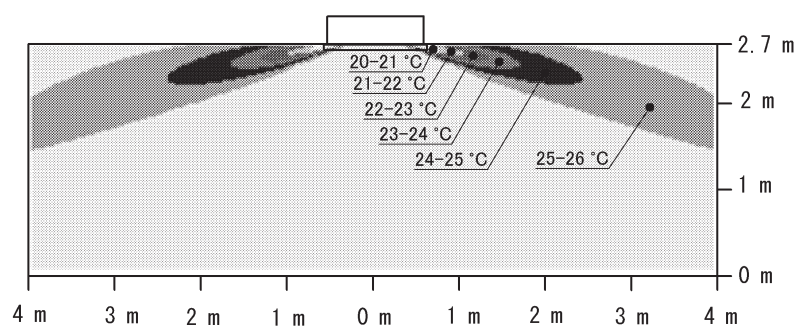
Cooling air velocity distribution

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

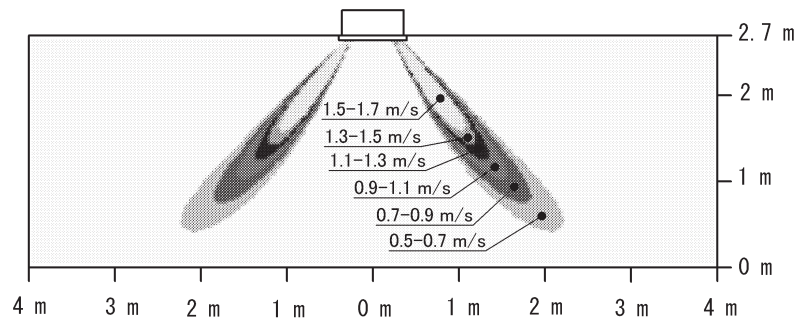
12 - 2 Air Flow Pattern - Heating

12

FXZQ15A

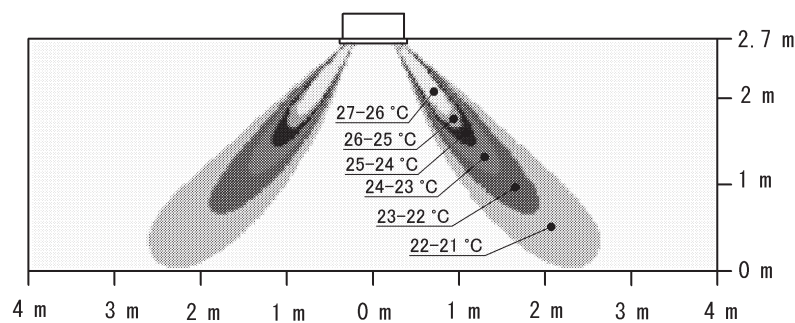
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

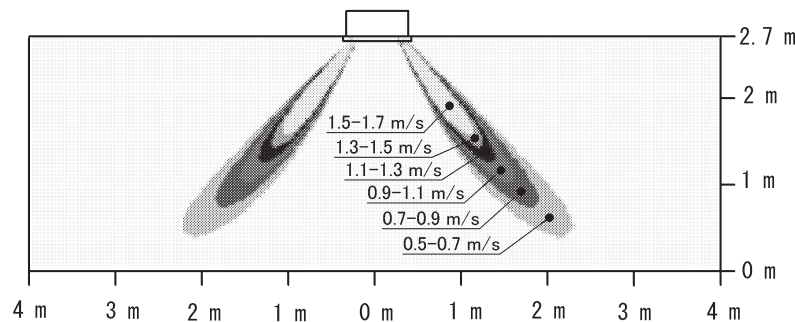


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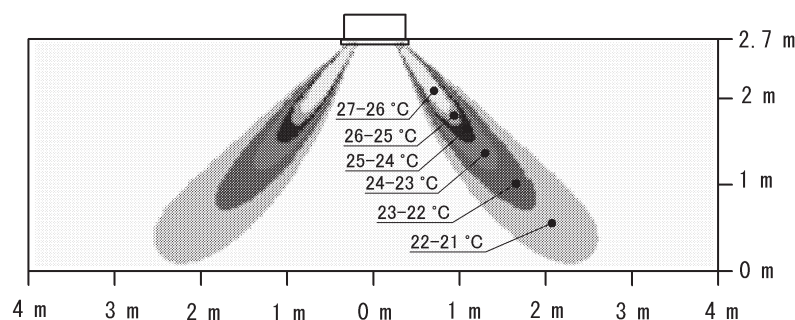
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083834

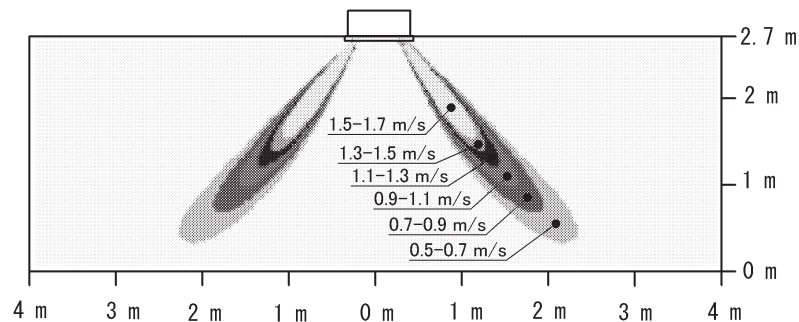
12 Air flow patterns

12 - 2 Air Flow Pattern - Heating

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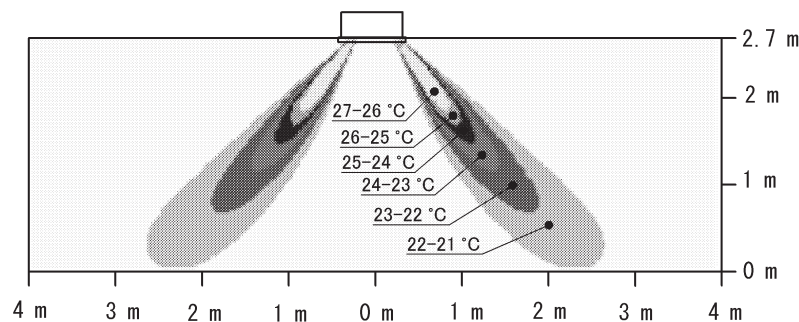
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

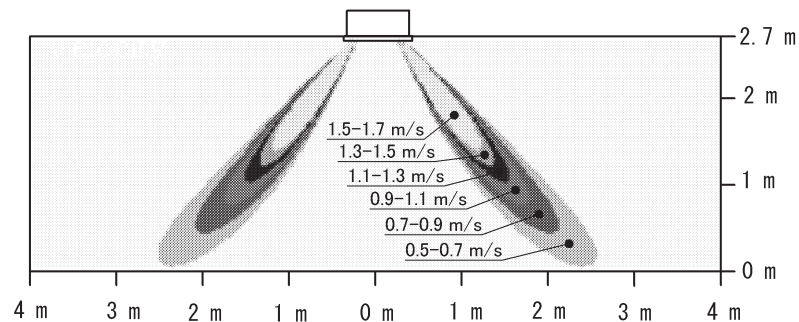


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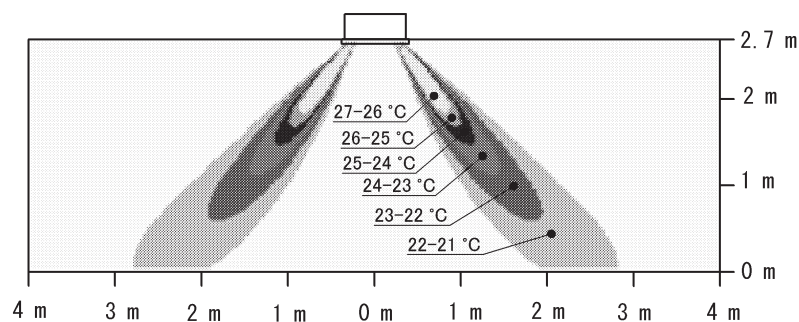
Heating air velocity distribution

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

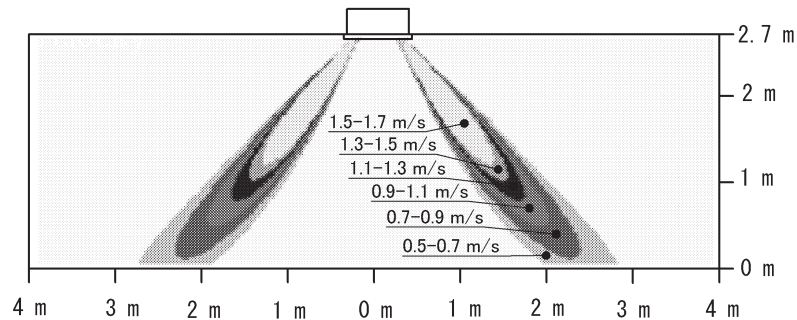
12 - 2 Air Flow Pattern - Heating

12

FXZQ40A

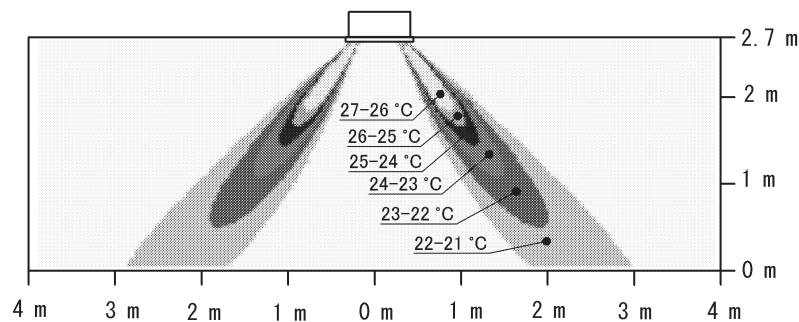
Heating air velocity distribution

All round air discharge, air flow direction: horizontal



Heating air temperature distribution

All round air discharge, air flow direction: horizontal

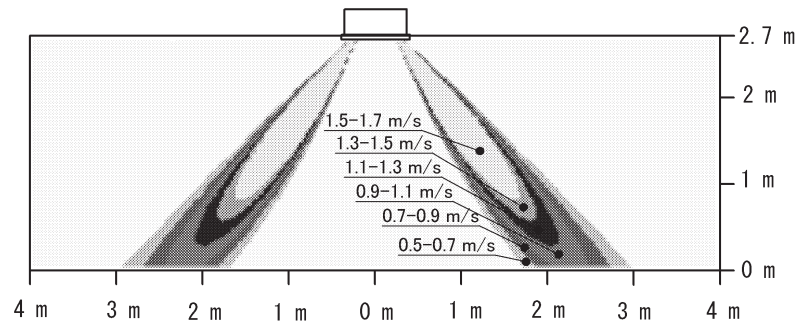


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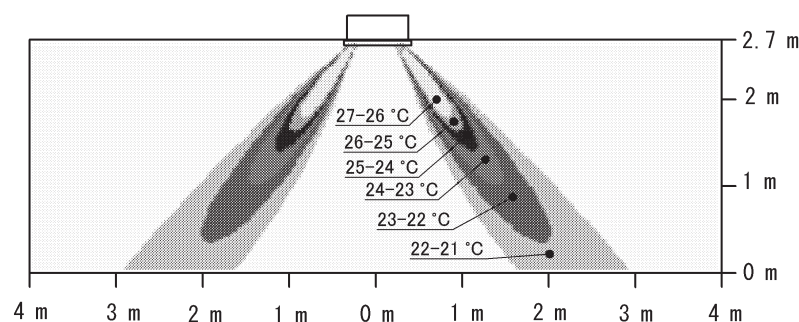
Heating air velocity distribution

All round air discharge, air flow direction: horizontal

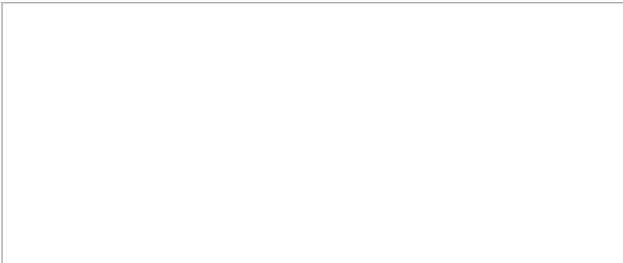


Heating air temperature distribution

All round air discharge, air flow direction: horizontal



4D083838



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02/2022



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