

4-way blow ceiling suspended unit

Air Conditioning Technical Data

FXUA-A



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FXUA-A

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1 Features

1 - 1 FXUA-A

- › Optimised design for R-32 refrigerant
- › Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- › Can easily be installed in both new and refurbishment projects
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.
- › Optimum comfort guaranteed with automatic air flow adjustment to the required load
- › 5 different discharge angles between 0 and 60° can be programmed via the remote control
- › Standard drain pump with 720mm lift increases flexibility and installation speed
- › Intelligent sensors save energy and maximize comfort



								
Onecta app (optional)	Presence & floor sensor	Home leave operation	Fan only	Draught prevention	Auto cooling-heating changeover	Individual flap control	Vertical auto swing	Fan speed steps
								
Dry programme	Air filter	Weekly timer	Infrared remote control	Wired remote control	Centralised control	Auto-restart	Self diagnosis	Drain pump kit

2 Specifications

2 - 1 Specifications

Technical specifications				FXUA50A		FXUA71A		FXUA100A		
Cooling capacity	Sensible capacity	At high fan speed	kW	3.8		5.5		8.1		
		At medium fan speed	kW	3.2		4.6		6.3		
		At low fan speed	kW	2.7		3.5		4.2		
	Latent capacity	At high fan speed	kW	1.8		2.5		3.1		
		At medium fan speed	kW	1.5		2.0		2.4		
		At low fan speed	kW	1.3		1.6				
	Total capacity	At high fan speed	kW	5.6		8.0		11.2		
		At medium fan speed	kW	4.7		6.6		8.7		
At low fan speed		kW	4.0		5.1		5.8			
Heating capacity	Total capacity	At high fan speed	kW	6.3		9.0		12.5		
		At medium fan speed	kW	5.1		7.2		9.3		
		At low fan speed	kW	4.1		5.4		6.0		
Power input - 50Hz	Cooling	At high fan speed	kW	0.029		0.055		0.117		
		At medium fan speed	kW	0.021		0.037		0.073		
		At low fan speed	kW	0.017		0.025		0.042		
	Heating	At high fan speed	kW	0.029		0.055		0.117		
		At medium fan speed	kW	0.021		0.037		0.073		
		At low fan speed	kW	0.017		0.025		0.042		
Power input - 60Hz	Cooling	At high fan speed	kW	0.029		0.055		0.117		
	Heating	At high fan speed	kW	0.029		0.055		0.117		
Dimensions	Unit	Height	mm	198						
		Width	mm	950						
		Depth	mm	950						
	Packed unit	Height	mm	295						
		Width	mm	1,026						
		Depth	mm	1,016						
Weight	Unit	kg	27					28		
	Packed unit	kg	36					37		
Casing	Colour		Fresh White							
	Material		Resin							
Heat exchanger	Inside length		mm	2,413						
	Rows	Quantity	3							
	Fin pitch		mm	1.20						
	Passes	Quantity	10							
	Face area		m²	0.330						
	Stages	Quantity	10							
Heat exchanger	Empty tubeplate hole	Quantity	0							
	Tube type		Ø5 HI-XA							
	Fin	Type	Multi slit fin							
Fan	Type		Turbo fan							
	Quantity		1							
	Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	17.0		22.5		31.0	
			At medium fan speed	m³/min	14.5		18.5		25.5	
			At low fan speed	m³/min	13.0		16.0		21.0	
		Heating	At high fan speed	m³/min	17.0		22.5		31.0	
			At medium fan speed	m³/min	14.5		18.5		25.5	
			At low fan speed	m³/min	13.0		16.0		21.0	
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	600		795		1,095	
			At medium fan speed	cfm	512		653		901	
			At low fan speed	cfm	459		565		742	
		Heating	At high fan speed	cfm	600		795		1,095	
			At medium fan speed	cfm	512		653		901	
			At low fan speed	cfm	459		565		742	
Sound power level	Cooling	At high fan speed	dBA	55.0		58.0		65.0		
		At medium fan speed	dBA	53.0		56.0		62.0		
		At low fan speed	dBA	51.0		54.0		58.0		
	Heating	At high fan speed	dBA	55.0		58.0		65.0		
		At medium fan speed	dBA	53.0		56.0		62.0		
		At low fan speed	dBA	51.0		54.0		58.0		
Sound pressure level	Cooling	At high fan speed	dBA	37.0		40.0		47.0		
		At medium fan speed	dBA	35.0		38.0		44.0		
		At low fan speed	dBA	33.0		36.0		40.0		
	Heating	At high fan speed	dBA	37.0		40.0		47.0		
		At medium fan speed	dBA	35.0		38.0		44.0		
		At low fan speed	dBA	33.0		36.0		40.0		
Fan motor	Quantity		1							
	Speed	Steps	3							
	Output	Max	W	56					106	
Refrigerant	Type		R-32							
	GWP		675							

2 Specifications

2 - 1 Specifications

Technical specifications			FXUA50A	FXUA71A	FXUA100A
Piping connections	Liquid	Type	Flare connection		
		OD mm	6.4		9.5
Piping connections	Gas	Type	Flare connection		
	Gas	OD mm	12.7		15.9
	Drain		VP20		
	Heat insulation		Foamed Polyethylene		
Air filter	Type		Resin net		
Safety devices	Item	01	PC board fuse		
		02	Fan motor overcurrent protector		
Control systems	Infrared remote control		BRC7CB58 / BRC7CB59		
	Wired remote control		BRC1HS2W/S/K		

Standard accessories: Thermal insulation tube;Quantity: 3;

Standard accessories: Non woven fabric;Quantity: 1;

Standard accessories: Drain joint;Quantity: 1;

Standard accessories: Hose band;Quantity: 1;

Standard accessories: Wire clamp material;Quantity: 10;

Standard accessories: Drain hose;Quantity: 1;

Standard accessories: Extension auxiliary pipe;Quantity: 1;

Standard accessories: Screws;Quantity: 5;

Standard accessories: Sealing material;Quantity: 4;

Standard accessories: Washer;Quantity: 8;

Standard accessories: Washer fixing plate;Quantity: 1;

Electrical specifications			FXUA50A	FXUA71A	FXUA100A
Power supply	Phase		1~		
	Frequency	Hz	50/60		
	Voltage	V	220-240/220		
Current - 50Hz	Minimum circuit amps (MCA)	A	0.5	0.6	1.1
	Maximum fuse amps (MFA)	A	6		
	Full load amps (FLA) Total	A	0.4	0.5	1.0
Current - 60Hz	Minimum circuit amps (MCA)	A	0.5	0.6	1.1
	Maximum fuse amps (MFA)	A	6		
	Full load amps (FLA) Total	A	0.4	0.5	1.0

(1)Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |

(2)Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. |

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

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

(5)Select wire size based on the value of MCA |

(6)Contains fluorinated greenhouse gases

3 Safety device settings

3 - 1 Safety Device Settings

FXUA-A

Safety devices		FXUA50AVEB	FXUA71AVEB	FXUA100AVEB
PCB fuse		250V, 3.15A	250V, 3.15A	250V, 3.15A
Fan motor thermal fuse	°C			
Fan motor thermal protector	°C			

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4 Options

4 - 1 Options

FXUA-A		Product name	FXUA50/71/100A
	Option kit		
	Air discharge outlet sealing member	KDBHP49B140	✓
	Decoration panel option	KDBTP49B140	✓
	Sensor kit	BRE49B2F	✓
	Wireless remote control	BRC7CB58 ②	✓
	WLAN adaptor for smartphones	BRP069C51 ②	✓
	Wired remote control	BRC1H52/82W7/S7/K7 ①	✓
	Intelligent Tablet Controller	DC601A51 ②	✓
	Intelligent touch controller	DCS601C51 ②⑧	✓
	Central remote control	DCS302CA51 ②⑦⑩ DCS302CA61 ②⑦⑨	✓
	Unified ON/OFF controller	DCS301BA51 ②⑥⑩ DCS301BA61 ②⑥⑨	✓
	Intelligent Touch Manager	DCM601B51 ②	✓
	Long-life replacement filter	KAF5511D160	✓
	External wired temperature sensor	KRCS01-6B	✓
	External wireless temperature sensor	EKEWTSC-1 ④	✓
	Adapter with -2- output signals	ERP02A50 ③	✓
	Adapter with -4- output signals	EKR1C14 ③	✓
	Adapter for centralised external monitoring/ control via dry contacts and setpoint control via -0---140-Ω (for dedicated indoors)	KRP4AA53 ③	✓
	Adapter for external central monitoring/control (controls 1 entire system)	KRP2A526 ③	✓
	Adapter for keycard and/or window contact connection	BRP7A53 ②③	✓
	PCB for multi-tenant indoor units	DTA114A61-9 ③⑤	✓
	External adaptor for outdoor unit (installation on indoor unit)	DTA104A52 ③⑩ DTA104A62 ③⑨	✓
	Installation box for adaptor PCB	KRP1C97	✓
	Electrical box with earth terminal (-2- blocks)	KJB212AA	✓
	Electrical box with earth terminal (-3- blocks)	KJB311AA	✓
	Electrical box with earth terminal (-4- blocks)	KJB411A	✓
	Optional output PCB	ERP01A51 ③	✓

Notes

① Mandatory option

② Only possible in combination with remote control -BRC1H52/82-.

③ Requires installation box for adaptor PCB -KRP1C97-.

④ -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.

⑤ This option cannot be combined with -RXYS44/5/6A7V1B- or -RXYS44/5/6A7V1B-.

⑥ Requires installation box -KJB212AA-.

⑦ Requires installation box -KJB311AA-.

⑧ Requires installation box -KJB411A-.

⑨ Language pack -English-

⑩ Language pack -English, German, French, Dutch, Spanish, Italian, Greek, Portuguese-

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5 Capacity tables

5 - 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



5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FXUA-A

Cooling

Unit size	Fan speed	Indoor air temperature													
		14,0 [°C WB]		16,0 [°C WB]		18,0 [°C WB]		19,0 [°C WB]		20,0 [°C WB]		22,0 [°C WB]		24,0 [°C WB]	
		20,0 [°C DB]		23,0 [°C DB]		26,0 [°C DB]		27,0 [°C DB]		28,0 [°C DB]		30,0 [°C DB]		32,0 [°C DB]	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
50	H	3,1	2,6	4,1	3,1	5,1	3,7	5,6	3,8	6,1	4,0	7,3	4,2	8,4	4,5
	M	Correction factor ·0.84 × H·													
	L	Correction factor ·0.71 × H·													
71	H	4,6	3,8	5,9	4,6	7,3	5,3	8,0	5,5	8,7	5,7	10,3	6,1	11,9	6,5
	M	Correction factor ·0.83 × H·													
	L	Correction factor ·0.64 × H·													
100	H	6,6	5,7	8,4	6,8	10,2	7,9	11,2	8,1	12,2	8,4	14,3	8,9	16,4	9,3
	M	Correction factor ·0.78 × H·													
	L	Correction factor ·0.52 × H·													

Notes

1) TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

H: High

M: Medium

L: Low

2) Outdoor temperature ·35·°C DB

Heating

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
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·					
71	H	10,5	9,8	9,0	8,6	8,3	7,5
	M	Correction factor ·0.80 × H·					
	L	Correction factor ·0.6 × H·					
100	H	14,6	13,5	12,5	12,0	11,5	10,5
	M	Correction factor ·0.74 × H·					
	L	Correction factor ·0.48 × H·					

Notes

1) TC: Total capacity [kW]

H: High

M: Medium

L: Low

2) Outdoor temperature ·7·°C DB / ·6·°C WB

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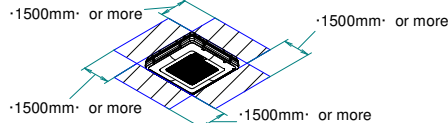
6 Dimensional drawings

6 - 1 Dimensional Drawings

FXUA-A

Required space

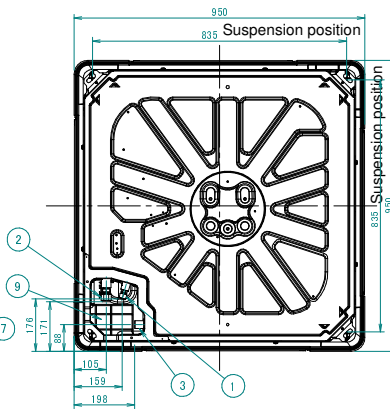
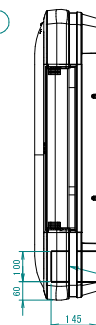
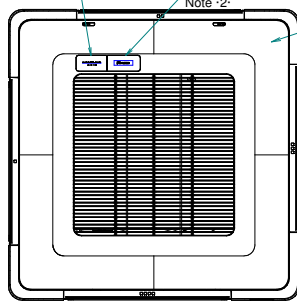
When closing the air outlet, the required space is ·30·mm or more.
See note ·3·.



Brand name label

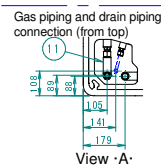
Brand name label

Note ·2·

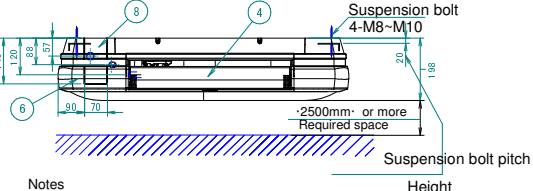
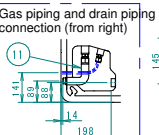
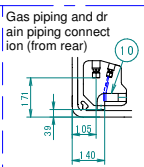


Model	AA	AB
FXUA50	ø6.4	ø12.7
FXUA71	ø6.4	ø12.7
FXUA100	ø9.5	ø15.9

- ① Liquid pipe connection ·AA· flare
- ② Gas pipe connection ·AB· flare
- ③ VP20 Drain socket
- ④ Air discharge outlet
- ⑤ Air suction grille
- ⑥ Corner decoration cover
- ⑦ Piping connections/Wiring connection Right side
- ⑧ Piping connections/Wiring connection Rear side
- ⑨ Pipe cover (top)
- ⑩ Drain pipe connection (outside diameter ·26·)
- ⑪ L-type piping kit (upward direction)



View ·A·



Notes

1. The unit nameplate is located on the control box cover.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. When closing the discharge grille in case of ·2·-way blow or ·3·-way blow, there are limitations to the piping connection direction. See the installation manual.
4. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

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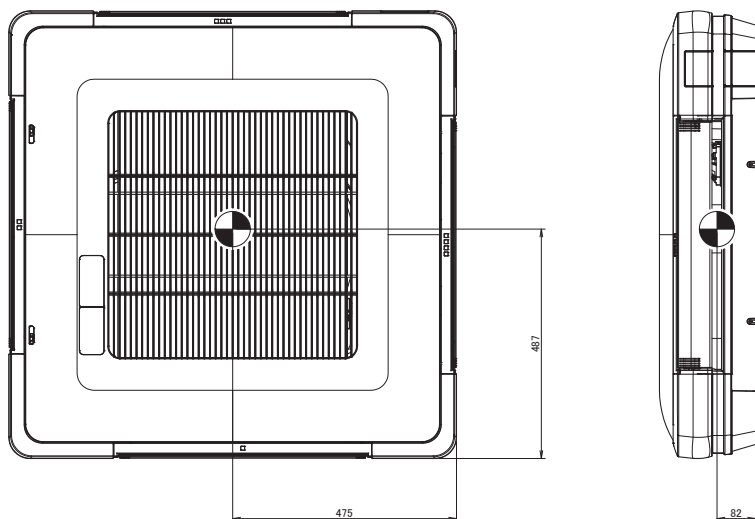
The drain piping can be raised up to ·600·mm from the top surface of the unit.

7 Centre of gravity

7 - 1 Centre of Gravity

7

FXUA-A

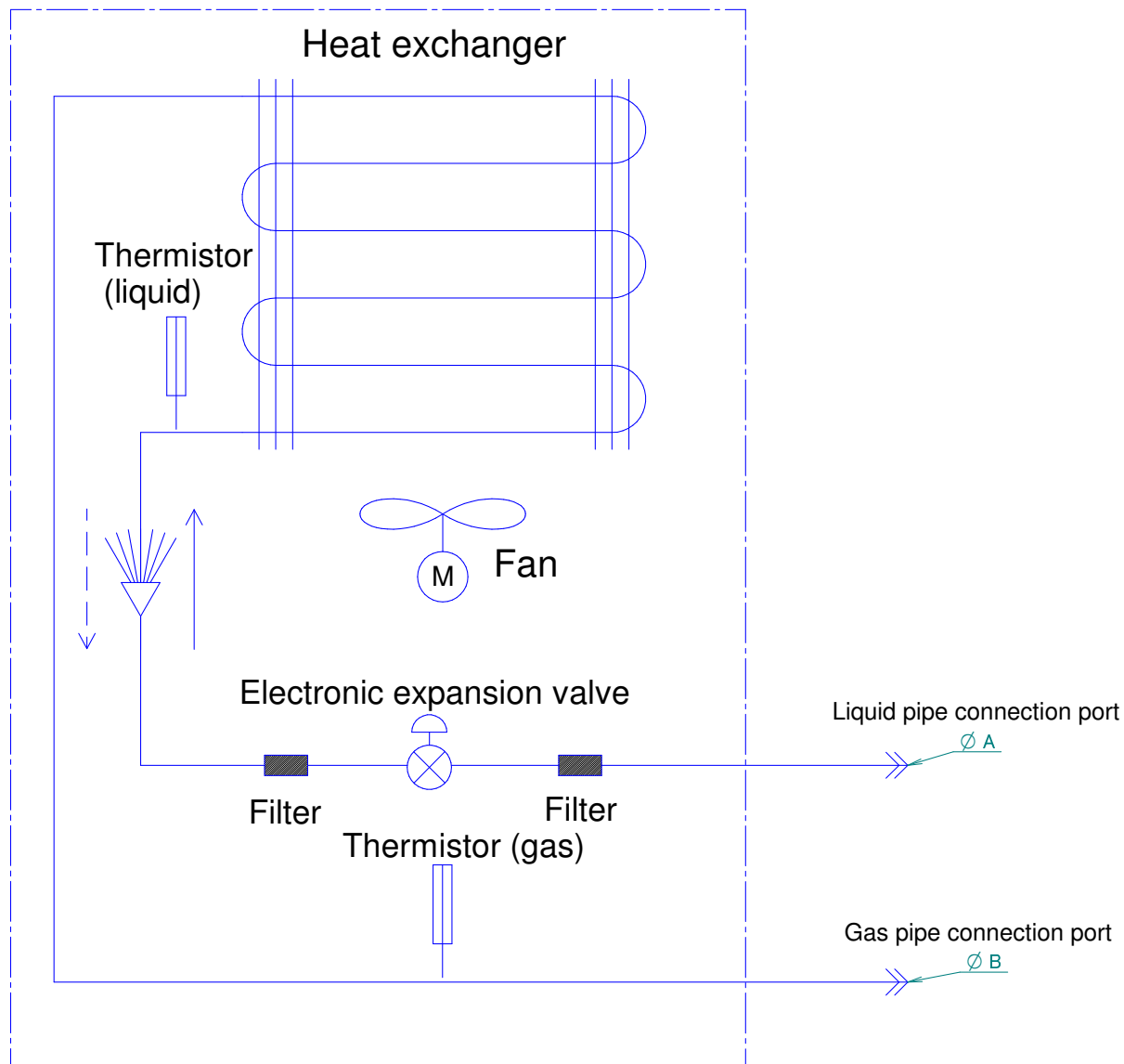


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8 Piping diagrams

8 - 1 Piping Diagrams

FXUA-A



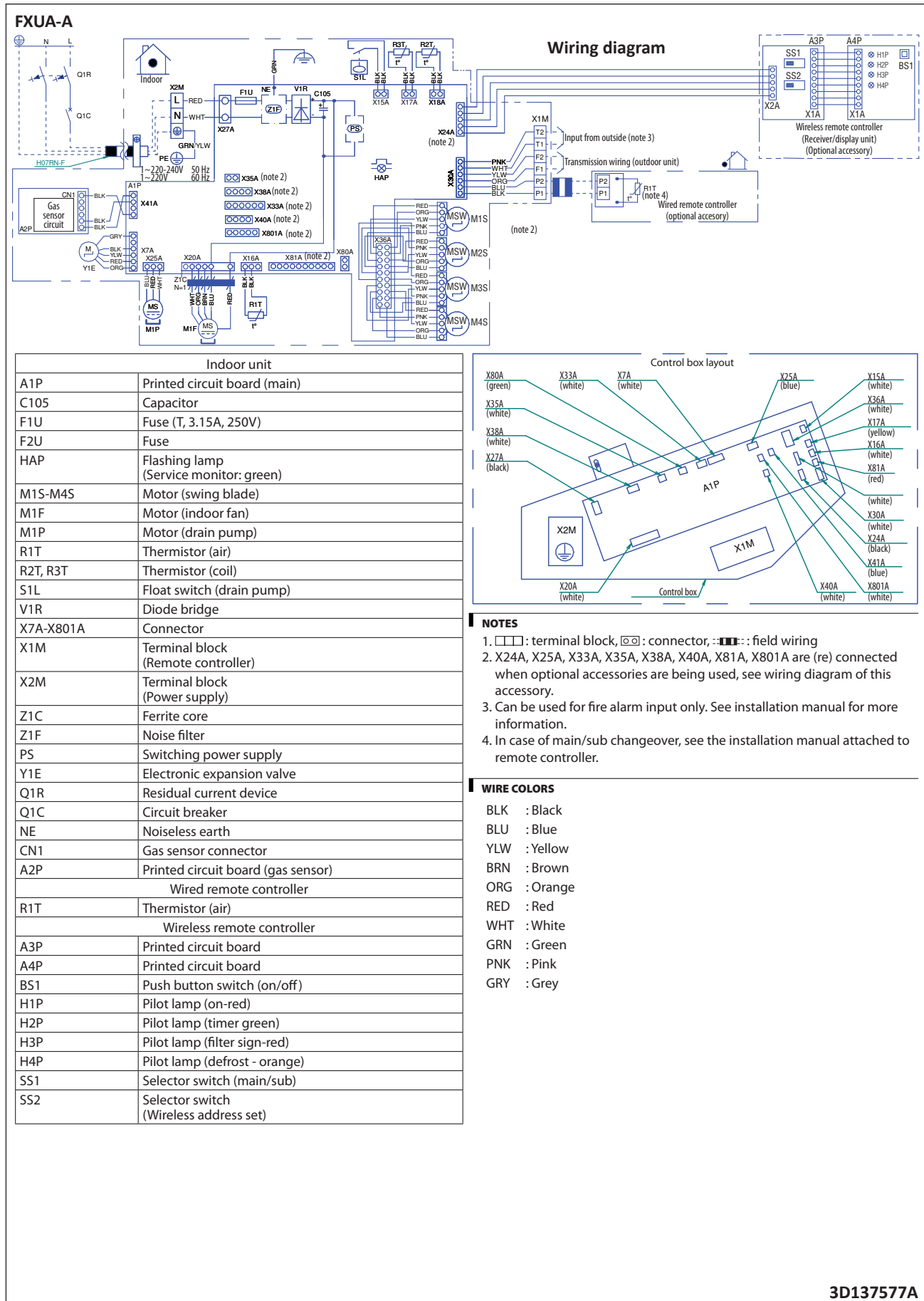
Model	A	B
FXUA50AVEB	6.35	12.7
FXUA71AVEB		
FXUA100AVEB	9.52	15.9

Refrigerant flow
Cooling 
Heating 

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9 Wiring diagrams

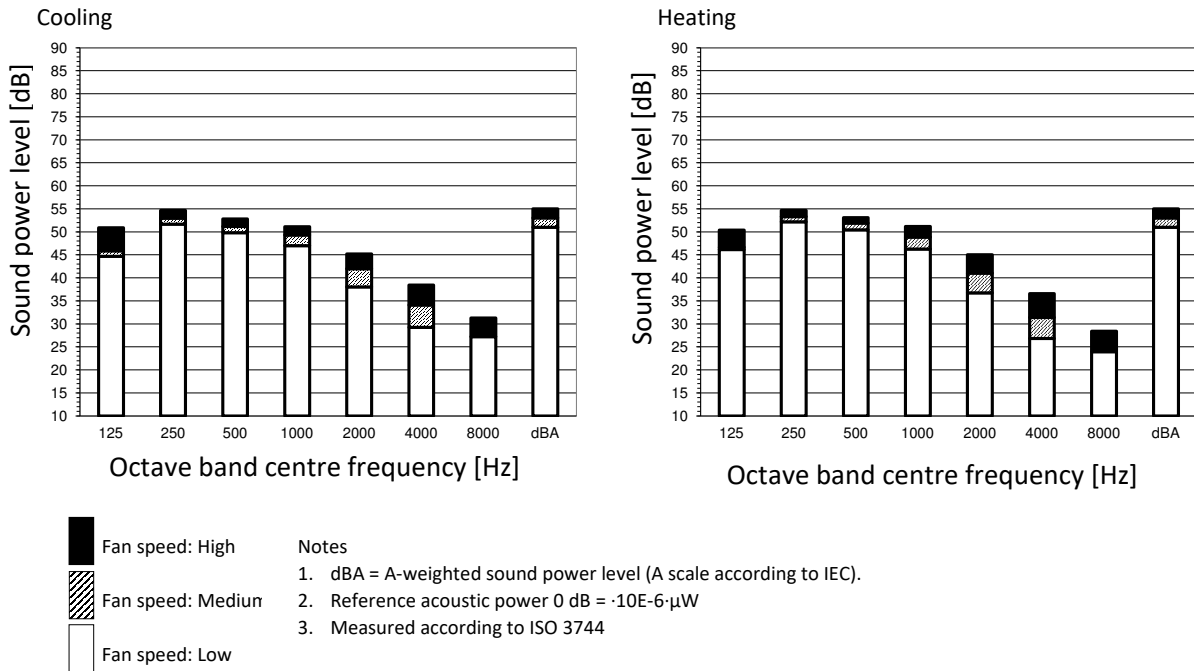
9 - 1 Wiring Diagrams - Single Phase



10 Sound data

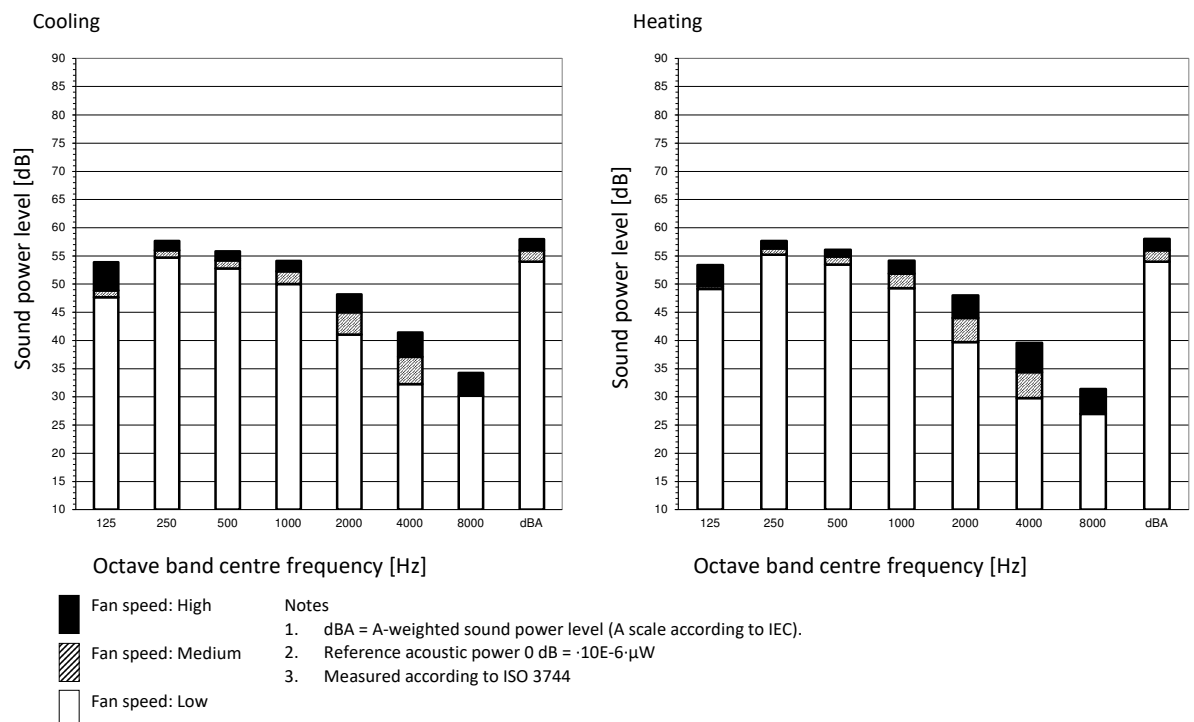
10 - 1 Sound Power Spectrum

FXUA50A



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FXUA71A



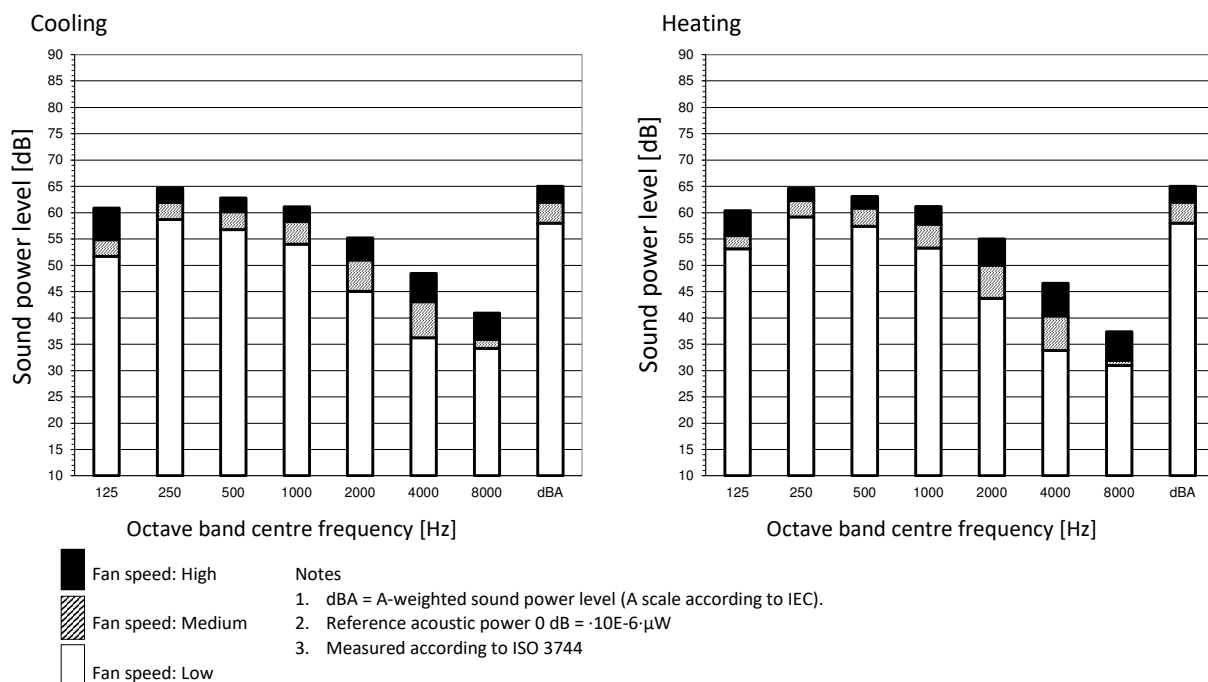
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10 Sound data

10 - 1 Sound Power Spectrum

FXUA100A

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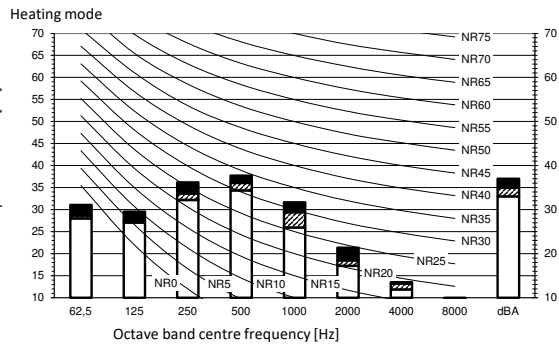
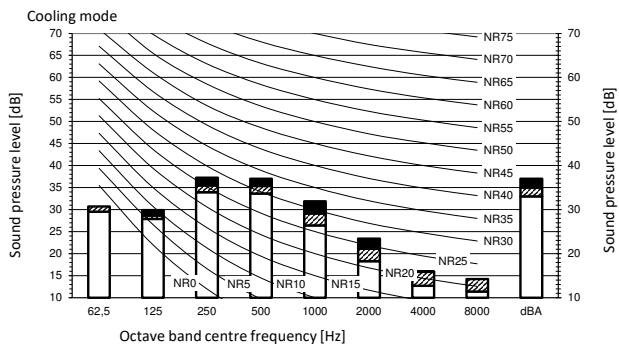


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10 Sound data

10 - 2 Sound Pressure Spectrum

FXUA50A

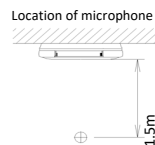


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Cooling		Total dB	
A	B	C	D
dBa	37,0	35,0	33,0

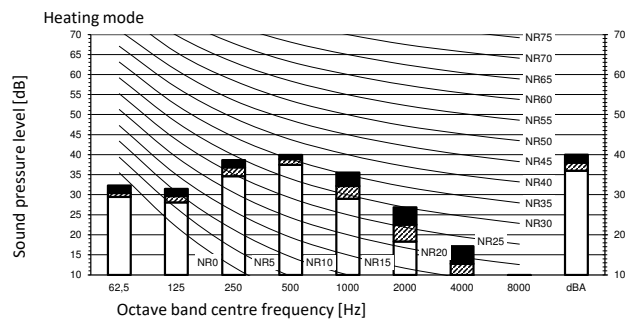
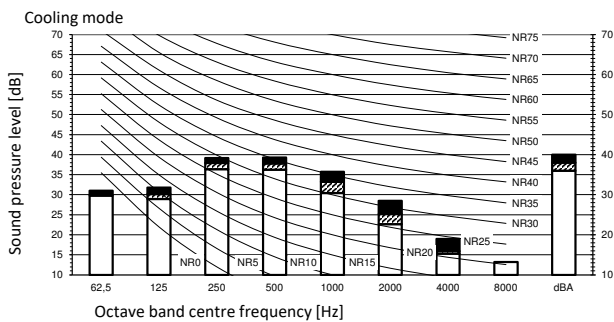
Heating		Total dB	
A	B	C	D
dBa	37,0	35,0	33,0



- 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

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FXUA71A

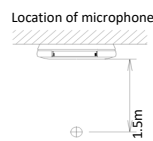


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Cooling		Total dB	
A	B	C	D
dBa	40,0	38,0	36,0

Heating		Total dB	
A	B	C	D
dBa	40,0	38,0	36,0



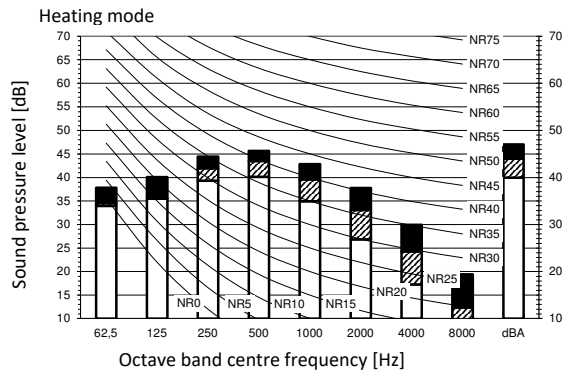
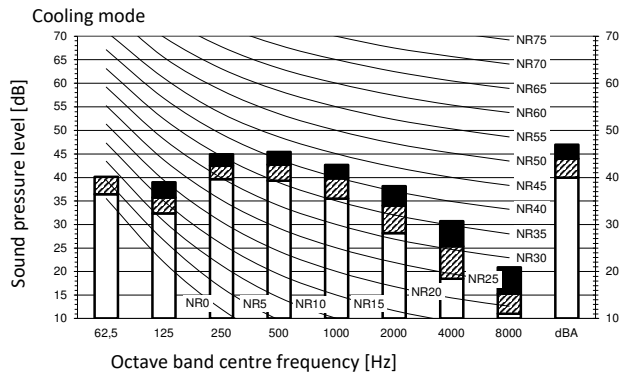
- Notes
- 1) Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - 2) Background noise already taken into account.
 - 3) Operating noise varies depending on operation and ambient conditions.
 - 4) The operation noise measuring method is in accordance with JISC9612.
 - 5) Measuring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

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10 Sound data

10 - 2 Sound Pressure Spectrum

FXUA100A

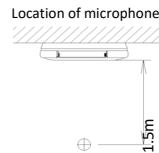


Legend

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

A Scale

- B** Fan speed: High
C Fan speed: Medium
D Fan speed: Low



Cooling	Total dB			
A	B	C	D	
dBA	47,0	44,0	40,0	

Heating	Total dB			
A	B	C	D	
dBA	47,0	44,0	40,0	

Notes

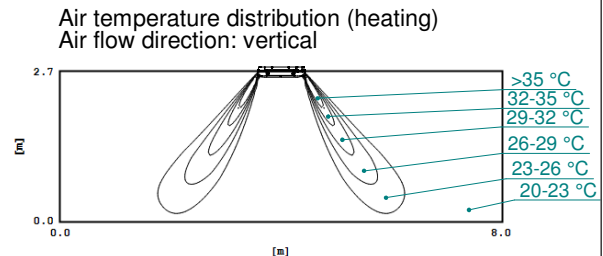
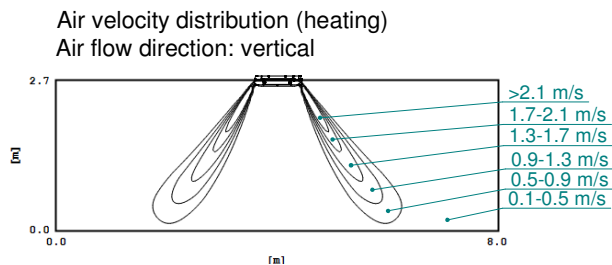
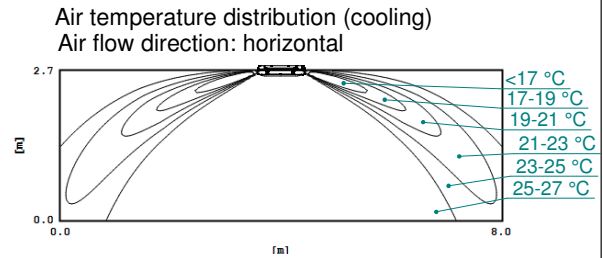
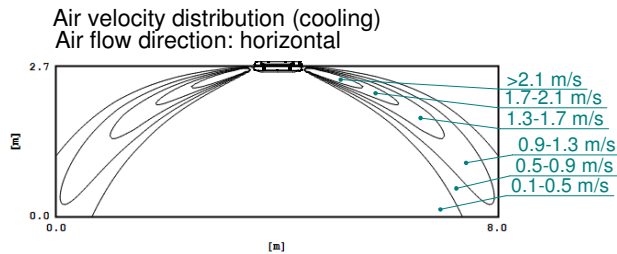
- 1) Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 2) Background noise already taken into account.
- 3) Operating noise varies depending on operation and ambient conditions.
- 4) The operation noise measuring method is in accordance with JISC9612.
- 5) Measuring location: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

4D139219

11 Air flow patterns

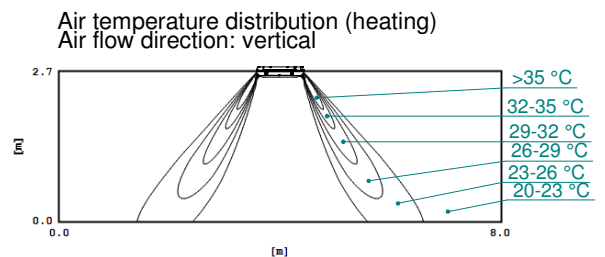
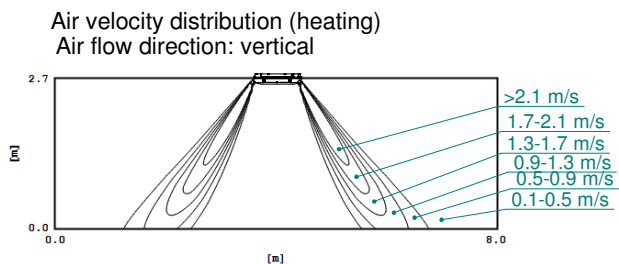
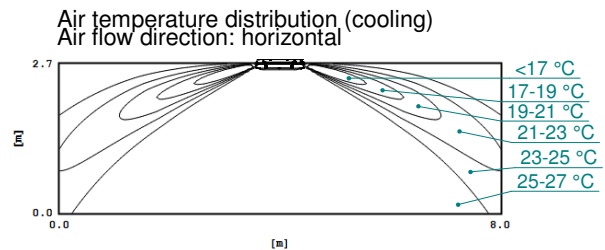
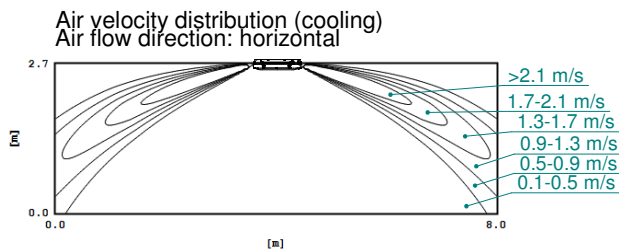
11 - 1 Air flow pattern - Cooling and Heating

FXUA50A



3D138854

FXUA71A



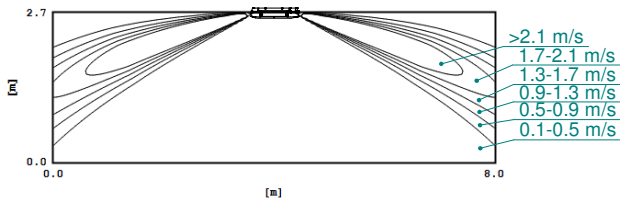
3D138852

11 Air flow patterns

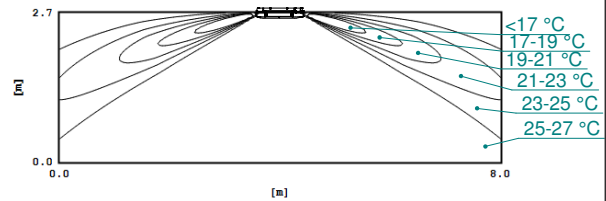
11 - 1 Air flow pattern - Cooling and Heating

FXUA100A

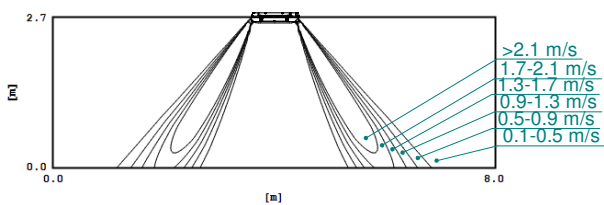
Air velocity distribution (cooling)
Air flow direction: horizontal



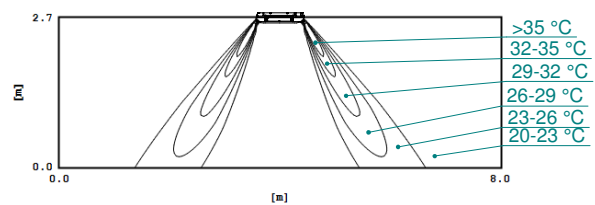
Air temperature distribution (cooling)
Air flow direction: horizontal



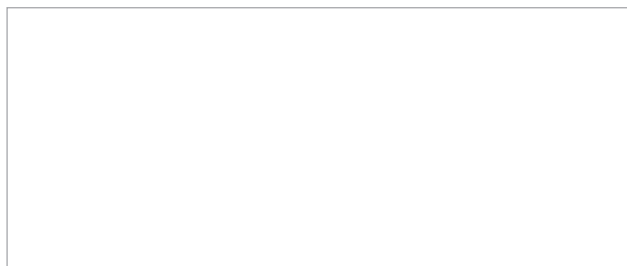
Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



3D138853



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04/2026



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