

Ceiling mounted corner cassette Air Conditioning Technical Data FXKA-A



FXKA20AMVEB
FXKA25AMVEB
FXKA32AMVEB
FXKA40AMVEB
FXKA50AMVEB
FXKA63AMVEB

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FXKA-A

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1 Features

1 - 1 FXKA-A

1-way blow unit for corner installation

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- › Optimised design for R-32 refrigerant
- › Compact dimensions enable installation in narrow ceiling void (only 200mm high)
- › Modern style decoration panel in white
- › The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- › Optional fresh air intake
- › Standard drain pump with 635mm lift increases flexibility and installation speed



Onecta app
(optional)



Home leave
operation



Fan only



Draught
prevention



Auto cooling-
heating
changeover



Ceiling soiling
prevention



Individual flap
control



Vertical auto
swing



Fan speed
steps



Dry
programme



Air filter



Weekly timer



Wired remote
control



Centralised
control



Auto-restart



Self diagnosis



Multi tenant



Drain pump
kit

2 Specifications

2 - 1 Specifications

Technical specifications				FXKA20A	FXKA25A	FXKA32A	FXKA40A	FXKA50A	FXKA63A	
Cooling capacity	Sensible capacity	At high fan speed	kW	1.5	1.9	2.4	3	3.7	4.8	
		At medium fan speed	kW	1.3	1.7	2.1	2.6	3.1	3.9	
		At low fan speed	kW	1.1	1.5	1.8	2.2	2.7	3.2	
	Latent capacity	At high fan speed	kW	0.7	0.9	1.2	1.5	1.9	2.3	
		At medium fan speed	kW	0.6	0.8	1	1.3	1.6	1.9	
		At low fan speed	kW	0.6	0.7	0.9	1.2	1.3	1.5	
	Total capacity	At high fan speed	kW	2.2	2.8	3.6	4.5	5.6	7.1	
		At medium fan speed	kW	1.9	2.5	3.1	3.9	4.7	5.8	
		At low fan speed	kW	1.7	2.2	2.7	3.4	4	4.7	
Heating capacity	Total capacity	At high fan speed	kW	2.5	3.2	4	5	6.3	8	
		At medium fan speed	kW	2.1	2.7	3.4	4.2	5.1	6.3	
		At low fan speed	kW	1.8	2.3	2.9	3.6	4.1	5	
Power input - 50Hz	Cooling	At high fan speed	kW	0.026		0.039	0.047	0.073	0.118	
		At medium fan speed	kW	0.02		0.031	0.036	0.047	0.073	
		At low fan speed	kW	0.014		0.026	0.029	0.036	0.047	
	Heating	At high fan speed	kW	0.034		0.039	0.047	0.073	0.118	
		At medium fan speed	kW	0.025		0.031	0.036	0.047	0.073	
		At low fan speed	kW	0.017		0.026	0.029	0.036	0.047	
Power input - 60Hz	Cooling	At high fan speed	kW	0.026		0.039	0.047	0.073	0.118	
	Heating	At high fan speed	kW	0.034		0.039	0.047	0.073	0.118	
Dimensions	Unit	Height	mm	200						
		Width	mm	840			1,240			
		Depth	mm	470						
	Packed unit	Height	mm	287						
		Width	mm	1,034			1,434			
		Depth	mm	607						
Weight	Unit	kg	18		19	24				
	Packed unit	kg	24		25	34				
Casing	Colour	Not painted (galvanised)								
	Material	Galvanised steel								
Required ceiling void >		mm	260							
Heat exchanger	Inside length		mm	627			997			
	Rows	Quantity	2			2 / 1				
	Fin pitch		mm	1.24			1.24 / 1.60			
	Passes	Quantity	5			7				
	Face area		m²	0.158			0.251			
Heat exchanger	Stages	Quantity	14			14 / 8				
	Empty tubeplate hole	Quantity	0							
	Tube type		ø6.35 Hi-XU							
	Fin	Type	Multi slit fin							
	Fan		Sirocco fan							
Fan	Type									
	Quantity		2				4			
	Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	7.5		9.4	14.4	17.6	21.5
			At medium fan speed	m³/min	6.3		8.5	12.6	14.4	17.6
			At low fan speed	m³/min	5		7.6	11.1	12.6	14.4
		Heating	At high fan speed	m³/min	8.6		9.4	14.4	17.6	21.5
			At medium fan speed	m³/min	7.3		8.5	12.6	14.4	17.6
			At low fan speed	m³/min	5.8		7.6	11.1	12.6	14.4
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	265		332	509	622	759
			At medium fan speed	cfm	222		300	445	509	622
			At low fan speed	cfm	177		268	392	445	509
		Heating	At high fan speed	cfm	304		332	509	622	759
			At medium fan speed	cfm	258		300	445	509	622
At low fan speed			cfm	205		268	392	445	509	
Sound power level	Cooling	At high fan speed	dBA	46		50.5	52.5	57	61.5	
		At medium fan speed	dBA	43.5		48.5	50	52.5	57	
		At low fan speed	dBA	41		46.5	48	50	52.5	
	Heating	At high fan speed	dBA	50		52.5	53	58	63.5	
		At medium fan speed	dBA	46		49.5	50.5	53	58	
		At low fan speed	dBA	41.5		47	48	50.5	53	
Sound pressure level	Cooling	At high fan speed	dBA	32		37	38.5	42	48.5	
		At medium fan speed	dBA	27.5		34	34.5	38	43.5	
		At low fan speed	dBA	22.5		31.5		34.5	38.5	
	Heating	At high fan speed	dBA	36		39	39.5	44	49	
		At medium fan speed	dBA	31		35.5	36	39.5	44	
		At low fan speed	dBA	25.5		32.5		36	39.5	
Fan motor	Quantity	1								
	Output	Max	W	87			117			

2 Specifications

2 - 1 Specifications

2

Technical specifications			FXKA20A	FXKA25A	FXKA32A	FXKA40A	FXKA50A	FXKA63A	
Refrigerant	Type		R-32						
	GWP		675						
	Control		Electronic expansion valve						
Piping connections	Liquid	Type	Flare connection						
		OD	mm	6.4					
Piping connections	Gas	Type	Flare connection						
		OD	mm	9.5		12.7			
Decoration panel	Drain		I.D. 20/O.D. 26						
	Heat insulation		Both liquid and gas pipes						
	Model		BYK32GJW1			BYK63GJW1			
	Colour		Fresh White						
	Dimensions	Height	mm	80					
		Width	mm	950		1,350			
		Depth	mm	550					
	Weight	kg	8		10				
Air filter	Type		Removable / washable						
Safety devices	Item	01	PC board fuse						
		02	Fan motor overcurrent protection						
Control systems	Wired remote control		BRC1H52W/S/K / BRC1H82W/S/K						

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Sealing material (drain hose);Quantity: 1;

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

Standard accessories: Drain hose;Quantity: 1;

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

Standard accessories: Paper pattern for installation;Quantity: 1;

Electrical specifications			FXKA20A	FXKA25A	FXKA32A	FXKA40A	FXKA50A	FXKA63A
Power supply	Name		VE					
	Phase		1~					
	Frequency		50/60					
	Voltage		220-240/220					
Current - 50Hz	Minimum circuit amps (MCA)		A		0.4		0.6	0.9
	Maximum fuse amps (MFA)		A		6			
	Full load amps (FLA)	Total	A	0.3	0.35	0.5	0.8	1.25
Current - 60Hz	Minimum circuit amps (MCA)		A		0.4		0.6	0.9
	Maximum fuse amps (MFA)		A		6			
	Full load amps (FLA)	Total	A	0.3	0.35	0.5	0.8	1.25

(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

3 Safety device settings

3 - 1 Safety Device Settings

FXKA-A
FXKQ-A

3

Safety devices		FXKA20-63AMVEB FXKQ20-63AMVEB
PCB fuse		250V, 3.15A
Fan motor overcurrent protection	Nominal	1.65 A

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4 Options

4 - 1 Options

FXKA-A

Option kit	Product name	FXKA20AMVEB FXKA25AMVEB FXKA32AMVEB	FXKA40AMVEB FXKA50AMVEB FXKA63AMVEB
Decoration panel	BYK32GJW1 ①	✓	x
	BYK63GJW1 ①	x	✓
WLAN adaptor for smartphones	BRP069C51 ②	✓	✓
Wired remote control	BRC1HS2/82W7/S7/K7 ①	✓	✓
Intelligent Tablet Controller	DCC601A51 ②	✓	✓
Intelligent touch controller	DCS601C51 ②/⑤	✓	✓
Central remote control	DCS302CA51 ②/④/⑩	✓	✓
	DCS302CA61 ②/④/⑨	✓	✓
Unified ON/OFF controller	DCS301BA51 ②/③/⑩	✓	✓
	DCS301BA61 ②/③/⑨	✓	✓
Intelligent Touch Manager	DCM601B51 ②	✓	✓
External wired temperature sensor	KRC501-6B	✓	✓
Wire harness for external wireless temperature sensor	EKEWTSC-1 ⑦	✓	✓
Adapter with 2- output signals	ERP02A50 ⑥	✓	✓
Adapter with 4- output signals	EKR1C14 ⑥	✓	✓
Adapter for centralised external monitoring/ control via dry contacts and setpoint control via 0-140-Ω (for dedicated indoors)	KRP4AA53 ⑥	✓	✓
Adapter for external central monitoring/control (controls 1 entire system)	KRP2A526 ⑥	✓	✓
Adapter for keycard and/or window contact connection	BRP7A51 ②/⑥	✓	✓
PCB for multi-tenant indoor units	DTA114A61-9 ⑥/⑧	✓	✓
External adaptor for outdoor unit (installation on indoor unit)	DTA10A52 ⑥/⑩	✓	✓
	DTA10A62 ⑥/⑨	✓	✓
Installation box for adaptor PCB	KRP4B93	✓	✓
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 ⑥	✓	✓

Notes

- ① Mandatory option
- ② Only possible in combination with remote control -BRC1HS2/82-.
- ③ Requires installation box -KJB212AA-.
- ④ Requires installation box -KJB311AA-.
- ⑤ Requires installation box -KJB411A-.
- ⑥ Requires installation box -KRP4B93-.
- ⑦ -EKEWTSC-1- is a wire harness for the connection of option -K.R55-.
- K.R55- is not an official option. Sales for this option are an SBU responsibility.
- ⑧ This option cannot be combined with -RXYSA4/5/6A7V1B- or -RXYSA4/5/6A7Y1B-.
- ⑨ Language pack -English-
- ⑩ Language pack -English, German, French, Dutch, Spanish, Italian, Greek, Portuguese-

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5 Capacity tables

5 - 1 Cooling/Heating Capacity Tables

FXKA-A Cooling

Unit size	Fan speed	Indoor air temperature														Notes
		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	
20	H	1,3	1,0	1,6	1,2	2,0	1,4	2,2	1,5	2,4	1,5	2,8	1,6	3,3	1,8	1) TC: Total capacity [kW] SHC: Sensible heat capacity [kW] H: High M: Medium L: Low 2) Outdoor temperature -35°C DB
	M	Correction factor -0.86 × H-														
	L	Correction factor -0.77 × H-														
25	H	1,7	1,3	2,1	1,5	2,6	1,8	2,8	1,9	3,1	1,9	3,6	2,1	4,2	2,2	
	M	Correction factor -0.89 × H-														
	L	Correction factor -0.79 × H-														
32	H	2,1	1,7	2,7	2,0	3,3	2,3	3,6	2,4	3,9	2,5	4,7	2,7	5,4	2,9	
	M	Correction factor -0.86 × H-														
	L	Correction factor -0.75 × H-														
40	H	2,7	2,1	3,4	2,5	4,1	2,9	4,5	3,0	4,9	3,1	5,8	3,3	6,7	3,5	
	M	Correction factor -0.87 × H-														
	L	Correction factor -0.76 × H-														
50	H	3,4	2,6	4,2	3,1	5,1	3,6	5,6	3,7	6,1	3,9	7,1	4,2	8,2	4,4	
	M	Correction factor -0.84 × H-														
	L	Correction factor -0.71 × H-														
63	H	4,3	3,4	5,4	4,1	6,5	4,7	7,1	4,8	7,7	5,0	9,0	5,3	10,3	5,6	
	M	Correction factor -0.82 × H-														
	L	Correction factor -0.66 × 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

		Indoor air temperature						Notes	
Unit size	Fan speed	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	1) TC: Total capacity [kW]	
20	H	2,9	2,7	2,5	2,4	2,3	2,1	H: High	
	M	Correction factor -0.84 × H-						M: Medium	
	L	Correction factor -0.72 × H-						L: Low	
25	H	3,7	3,4	3,2	3,1	3,0	2,7	2) Outdoor temperature -7.°C DB / -6.°C WB	
	M	Correction factor -0.84 × H-							
	L	Correction factor -0.72 × H-							
32	H	4,6	4,3	4,0	3,8	3,7	3,4		
	M	Correction factor -0.85 × H-							
	L	Correction factor -0.73 × 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	7,3	6,8	6,3	6,1	5,8	5,4		
	M	Correction factor -0.81 × H-							
	L	Correction factor -0.65 × H-							
63	H	9,2	8,6	8,0	7,7	7,4	6,8		
	M	Correction factor -0.79 × H-							
	L	Correction factor -0.63 × 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

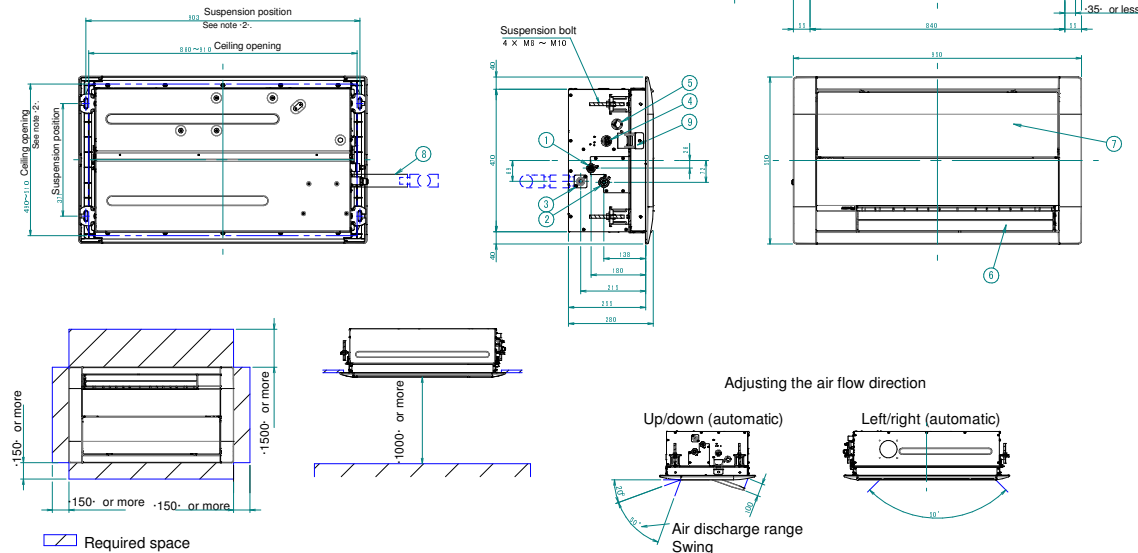
FXKA20-32A FXKQ20-32A

- Notes
1. Location of nameplate
The unit nameplate is located on the control box cover.
The decoration panel nameplate is located on the inner frame inside the suction grille.
 2. Though the installation is acceptable up to maximum 910x510-mm square ceiling opening, keep the clearance of 35-mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.
 3. When installing optional accessories, refer to their respective documentation.
 4. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥ 10-mm) is required:
Fresh air is induced into the ceiling.
The unit operates continuously.

Model	øA	øB
FXKQ20AMVEB	6.4	12.7
FXKQ25AMVEB	6.4	12.7
FXKQ30AMVEB	6.4	12.7
FXKQ35AMVEB	6.4	12.7
FXKQ40AMVEB	6.4	12.7
FXKQ45AMVEB	6.4	12.7
FXKQ50AMVEB	6.4	12.7
FXKQ55AMVEB	6.4	12.7
FXKQ60AMVEB	6.4	12.7
FXKQ65AMVEB	6.4	12.7
FXKQ70AMVEB	6.4	12.7
FXKQ75AMVEB	6.4	12.7
FXKQ80AMVEB	6.4	12.7
FXKQ85AMVEB	6.4	12.7
FXKQ90AMVEB	6.4	12.7
FXKQ95AMVEB	6.4	12.7
FXKQ100AMVEB	6.4	12.7

Item	Part name
①	Liquid pipe connection -øA-
②	Gas pipe connection -øB-
③	Drain outlet Inside diameter: 20-mm Outside diameter: 25-mm
④	Power supply wiring intake
⑤	Wiring connection Remote control wiring intake

Item	Part name
⑥	Air discharge side
⑦	Air suction side
⑧	Drain hose (accessory) Inside diameter: 25-mm
⑨	Metal hanger



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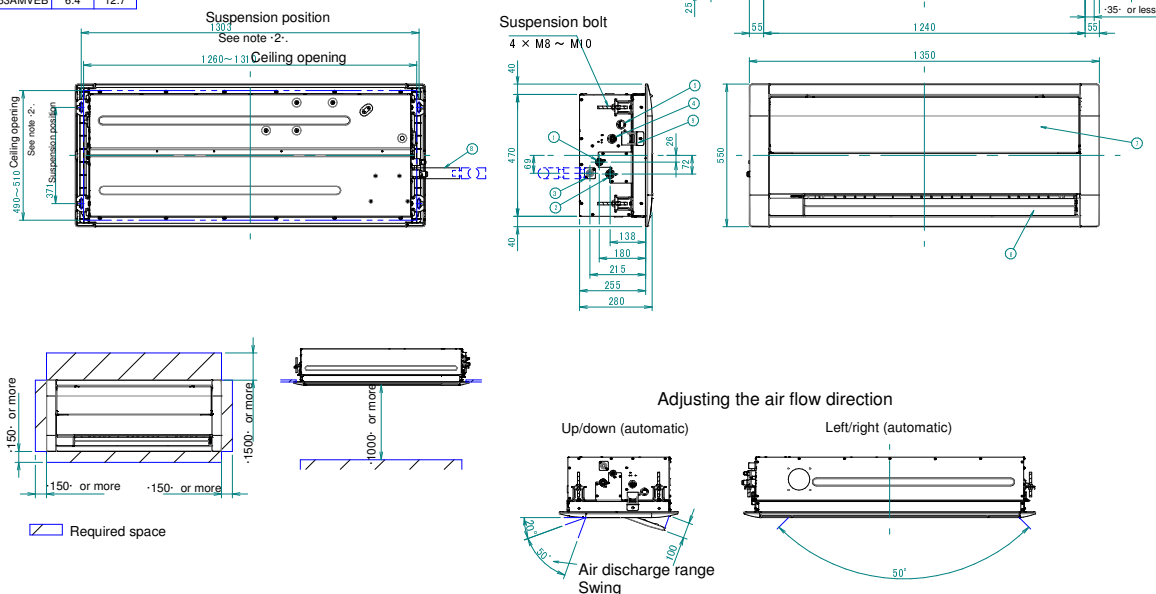
FXKA40-63A FXKQ40-63A

- Notes
1. Location of nameplate
The unit nameplate is located on the control box cover.
The decoration panel nameplate is located on the inner frame inside the suction grille.
 2. Though the installation is acceptable up to maximum 1310x510-mm square ceiling opening, keep the clearance of 35-mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.
 3. When installing optional accessories, refer to their respective documentation.
 4. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥ 10-mm) is required:
Fresh air is induced into the ceiling.
The unit operates continuously.

Model	øA	øB
FXKQ40AMVEB	6.4	12.7
FXKQ50AMVEB	6.4	12.7
FXKQ63AMVEB	9.5	15.9
FXKQ70AMVEB	6.4	12.7
FXKQ80AMVEB	6.4	12.7
FXKQ90AMVEB	6.4	12.7
FXKQ100AMVEB	6.4	12.7

Item	Part name
①	Liquid pipe connection -øA-
②	Gas pipe connection -øB-
③	Drain outlet Inside diameter: 20-mm Outside diameter: 25-mm
④	Power supply wiring intake
⑤	Wiring connection Remote control wiring intake

Item	Part name
⑥	Air discharge side
⑦	Air suction side
⑧	Drain hose (accessory) Inside diameter: 25-mm
⑨	Metal hanger

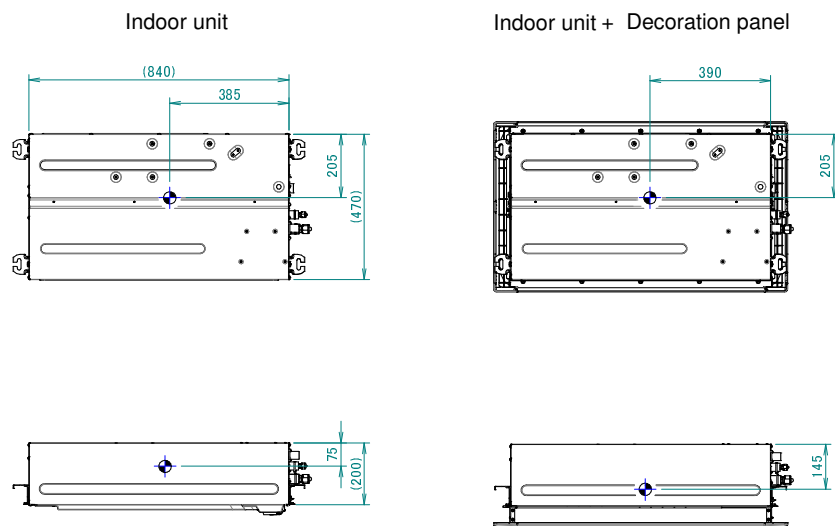


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7 Centre of gravity

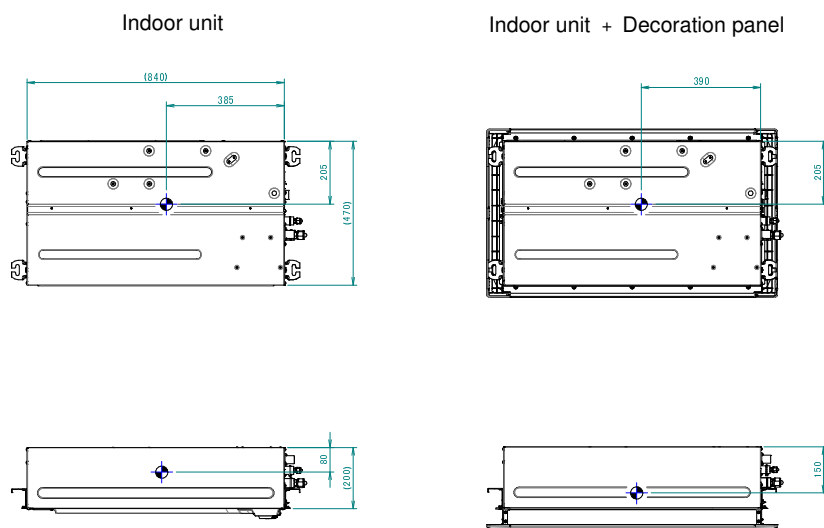
7 - 1 Centre of Gravity

FXKA20-25A
FXKQ20-25A



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FXKA32A
FXKQ32A



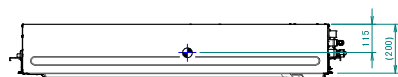
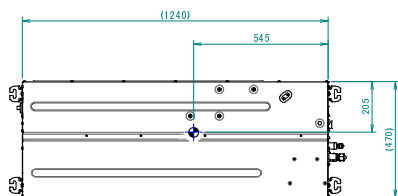
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7 Centre of gravity

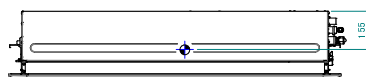
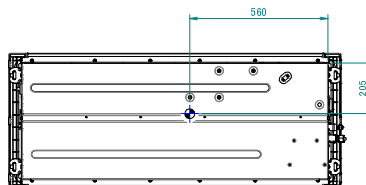
7 - 1 Centre of Gravity

FXKA40-63A
FXKQ40-63A

Indoor unit



Indoor unit + Decoration panel

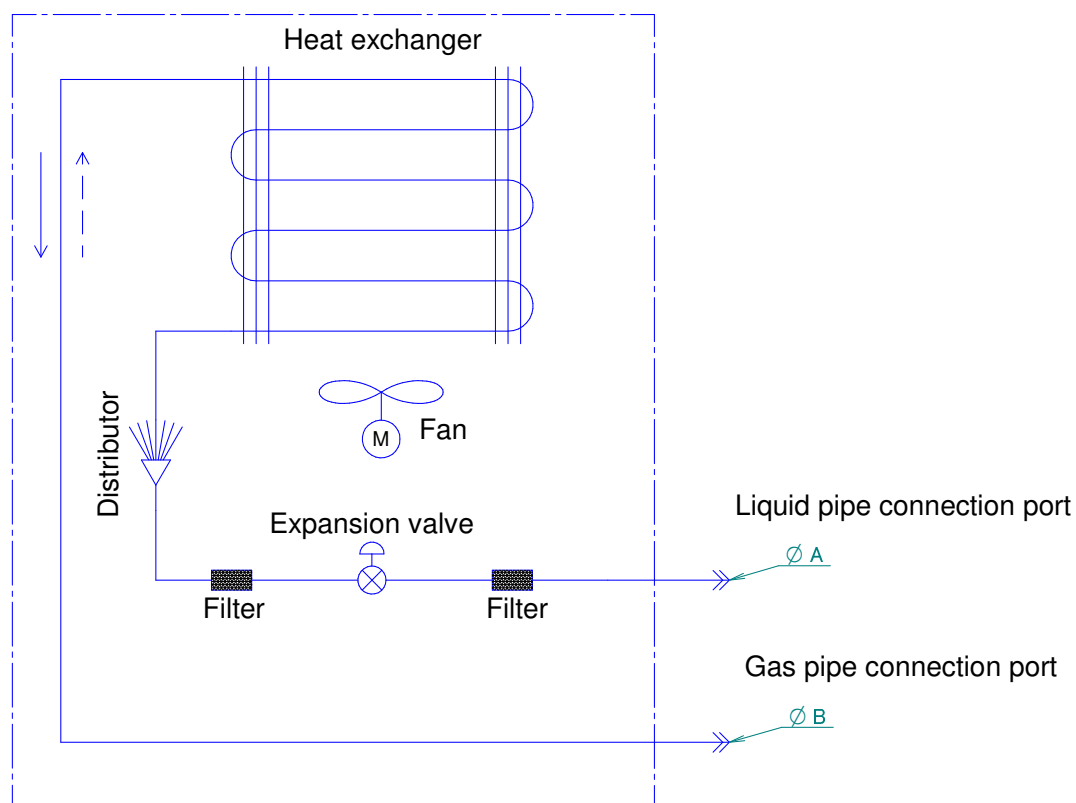


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8 Piping diagrams

8 - 1 Piping Diagrams

FXKA-A



Refrigerant flow

Cooling
Heating

Model	A	B
FXKA20AMVEB	6.4	9.5
FXKA25AMVEB	6.4	9.5
FXKA32AMVEB	6.4	9.5
FXKA40AMVEB	6.4	12.7
FXKA50AMVEB	6.4	12.7
FXKA63AMVEB	6.4	12.7

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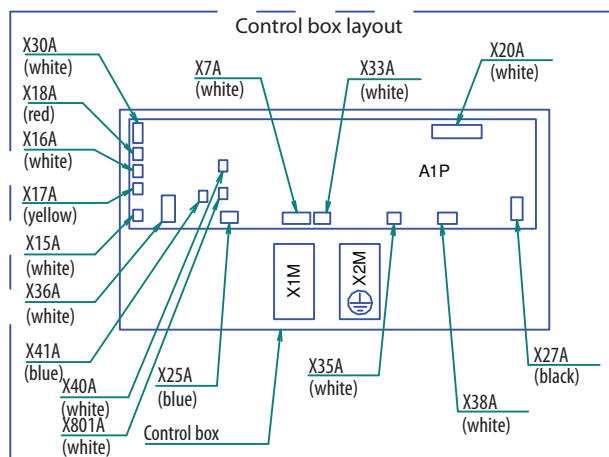
FXKA-A

Wiring diagram

The diagram illustrates the electrical connections for the FXKA-A unit. It includes the following components and connections:

- Indoor Unit:** Shows the main power input (N, L, PE) and the connection to the outdoor unit via a cable (X2M). The indoor unit contains a gas sensor circuit (CN1, A2P) and a relay (Q1R, Q1C).
- Outdoor Unit:** Shows the connection to the indoor unit via a cable (X2M). The outdoor unit contains a relay (Q1R, Q1C) and a gas sensor circuit (CN1, A2P).
- Gas Sensor Circuit:** Includes a gas sensor (M) and a relay (Y1E).
- Relays and Switches:** Includes relays (Q1R, Q1C, R1T, R2T, R3T) and switches (X15A, X17A, X18A).
- Fuses and Breakers:** Includes fuses (F1U, F1, F2, F3) and a circuit breaker (Z2C).
- Wiring Connections:** Shows the connection of various wires (BLK, BLU, GRN, YLW, RED, WHT, ORG, BRN) to the components.
- Decorative Panel:** Shows the connection of the unit to a decorative panel (X36A).
- Wired Remote Controller:** Shows the connection of the unit to a wired remote controller (X1M).

Indoor unit	
A1P	Printed circuit board (main)
C10S	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
X1A-X801A	Connector
X1M	Terminal block (Remote controller)
X2M	Terminal block (Power supply)
Z1C, Z2C	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-M2S	Motor (panel)
M3S-M4S	Motor (Hor. and vert. swing)
PTC	PTC thermistor



NOTES

1. : terminal block, : connector, : field wiring
2. X16A, X33A, X35A, X38A, X40A, X801A are (re)connected when optional accessories are being used, see wiring diagram of this accessory.
3. Can be used for fire alarm input only.
4. For specification of wiring refer to the installation manual.

WIRE COLORS

BLK : Black
BLU : Blue
YLW : Yellow
BRN : Brown
ORG : Orange
RED : Red
WHT : White
GRN : Green
PNK : Pink
GRY : Grey

3D146874A

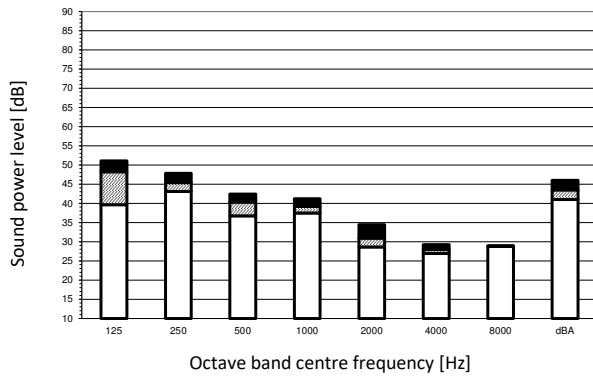
10 Sound data

10 - 1 Sound Power Spectrum

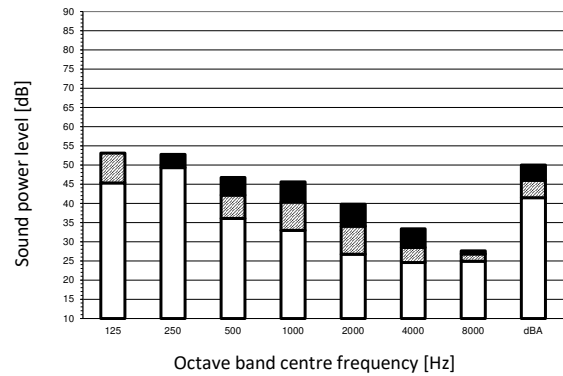
FXKA20A

FXKQ20A

Cooling mode



Heating mode



Legend

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

Notes

- 1) dBA = A-weighted sound power level (A scale according to IEC).
- 2) Reference acoustic power 0 dB = 10^{-6} W
- 3) Measured according to ISO 3744

Cooling		Total dB	
A	B	C	D
dBA	46,0	43,5	41,0

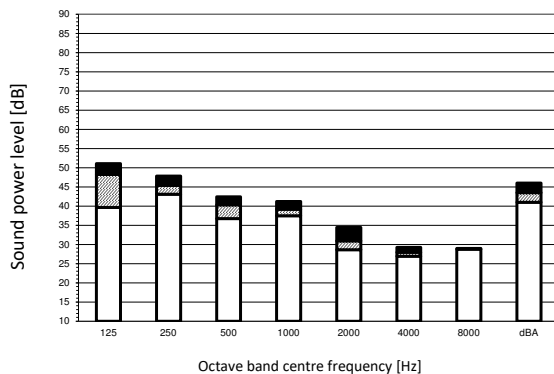
Heating		Total dB	
A	B	C	D
dBA	50,0	46,0	41,5

4D151077

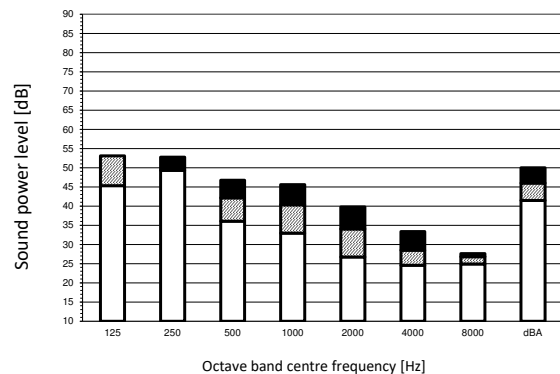
FXKA25A

FXKQ25A

Cooling mode



Heating mode



Legend

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

Notes

- 1) dBA = A-weighted sound power level (A scale according to IEC).
- 2) Reference acoustic power 0 dB = 10^{-6} W
- 3) Measured according to ISO 3744

Cooling		Total dB	
A	B	C	D
dBA	46,0	43,5	41,0

Heating		Total dB	
A	B	C	D
dBA	50,0	46,0	41,5

4D151061

10 Sound data

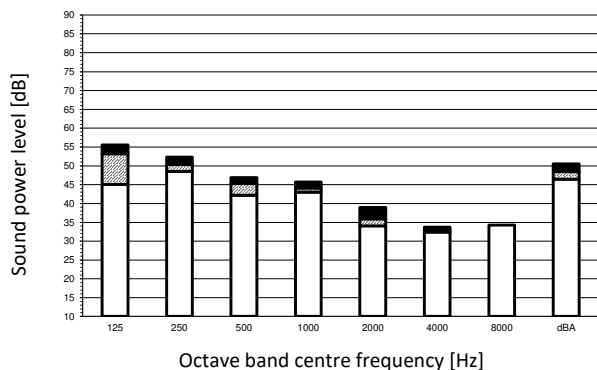
10 - 1 Sound Power Spectrum

FXKA32A

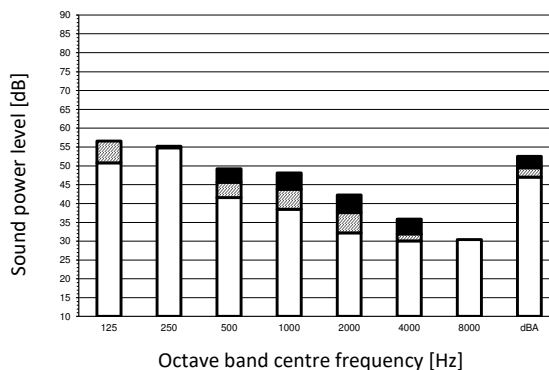
FXKQ32A

10

Cooling mode



Heating mode



Legend

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

Notes

- 1) dBA = A-weighted sound power level (A scale according to IEC).
2) Reference acoustic power 0 dB = 10^{-6} W
3) Measured according to ISO 3744

Cooling	Total dB
A	B
dBA	50,5

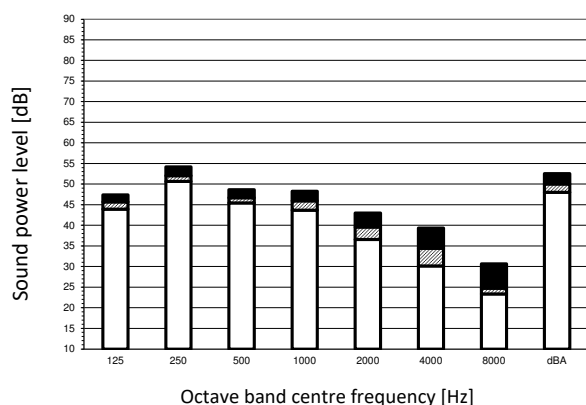
Heating	Total dB
A	B
dBA	52,5

4D151062

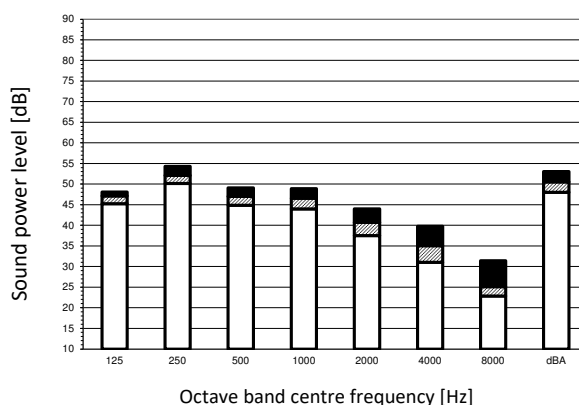
FXKA40A

FXKQ40A

Cooling mode



Heating mode



Legend

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

Notes

- 1) dBA = A-weighted sound power level (A scale according to IEC).
2) Reference acoustic power 0 dB = 10^{-6} W
3) Measured according to ISO 3744

Cooling	Total dB
A	B
dBA	52,5

Heating	Total dB
A	B
dBA	53,0

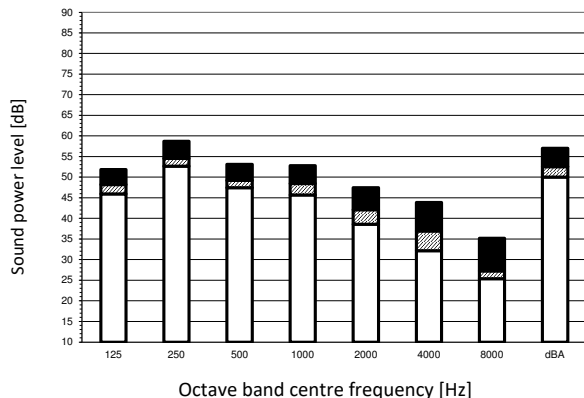
4D151063

10 Sound data

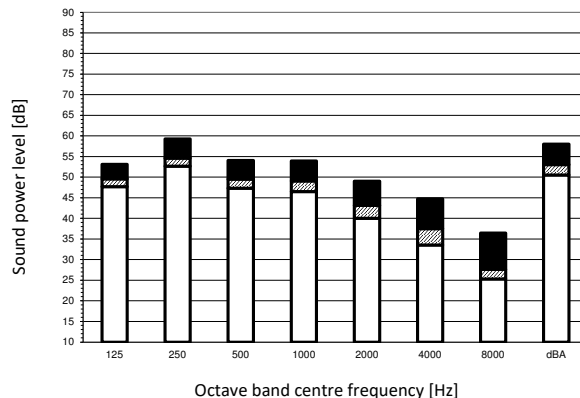
10 - 1 Sound Power Spectrum

FXKA50A
FXKQ50A

Cooling mode



Heating mode



Legend

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

Notes

- 1) dBA = A-weighted sound power level (A scale according to IEC).
- 2) Reference acoustic power 0 dB = $-10E-6 \mu W$
- 3) Measured according to ISO 3744

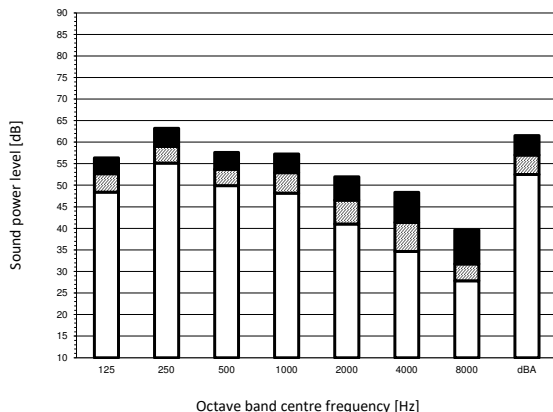
Cooling	Total dB			
A	B	C	D	
dBA	57,0	52,5	50,0	

Heating	Total dB			
A	B	C	D	
dBA	58,0	53,0	50,5	

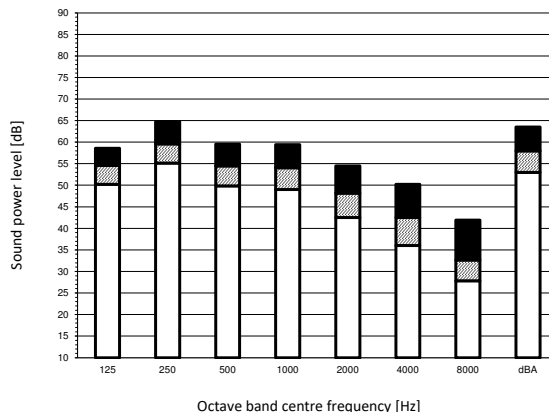
4D151064

FXKA63A
FXKQ63A

Cooling mode



Heating mode



Legend

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

Notes

- 1) dBA = A-weighted sound power level (A scale according to IEC).
- 2) Reference acoustic power 0 dB = $-10E-6 \mu W$
- 3) Measured according to ISO 3744

Cooling	Total dB			
A	B	C	D	
dBA	61,5	57,0	52,5	

Heating	Total dB			
A	B	C	D	
dBA	63,5	58,0	53,0	

4D151065

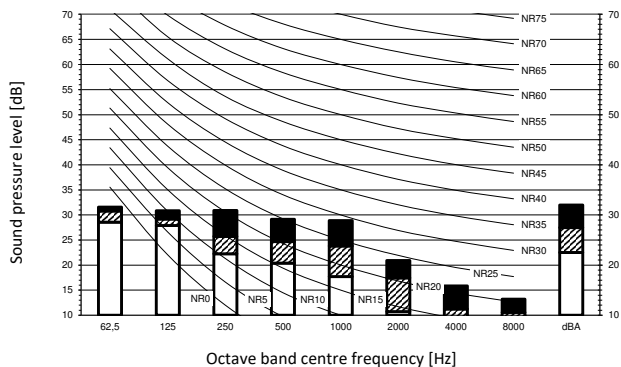
10 Sound data

10 - 2 Sound Pressure Spectrum

FXKA20A
FXKQ20A

10

Cooling mode



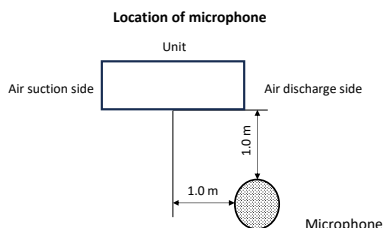
Legend

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

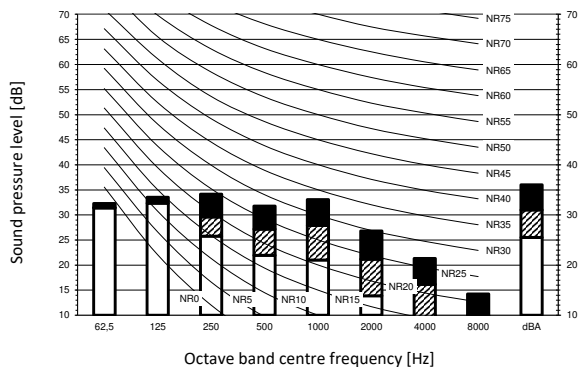
- A** Scale
B Fan speed: High
C Fan speed: Medium
D Fan speed: Low

Cooling		Total dBA	
A	B	C	D
32,0	27,5	22,5	

Heating		Total dBA	
A	B	C	D
36,0	31,0	25,5	



Heating mode



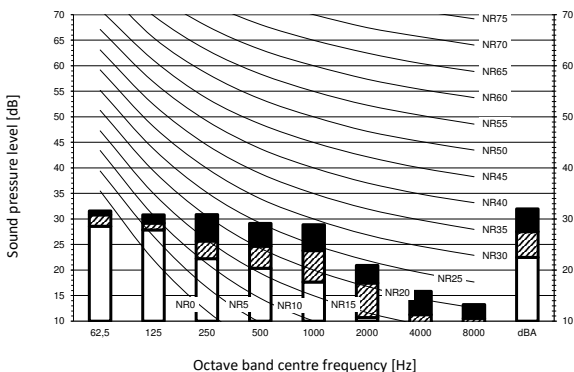
Notes

- 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

4D151078

FXKA25A
FXKQ25A

Cooling mode



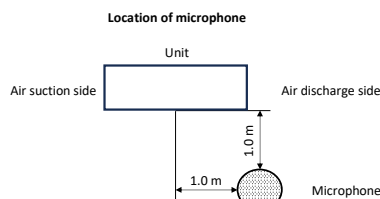
Legend

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

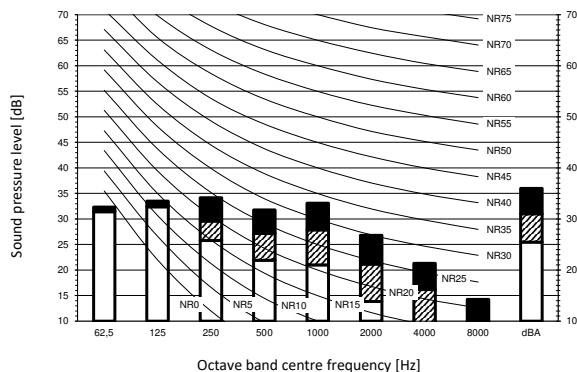
- A** Scale
B Fan speed: High
C Fan speed: Medium
D Fan speed: Low

Cooling		Total dBA	
A	B	C	D
32,0	27,5	22,5	

Heating		Total dBA	
A	B	C	D
36,0	31,0	25,5	



Heating mode



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

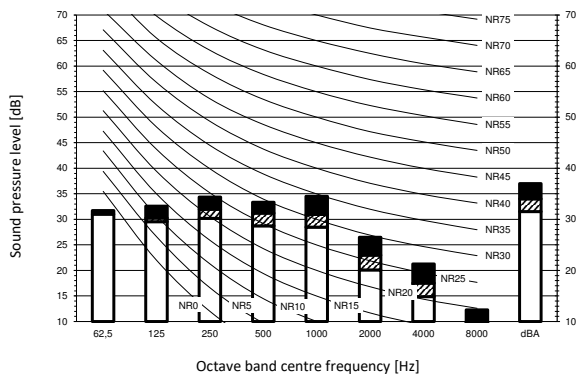
4D151070

10 Sound data

10 - 2 Sound Pressure Spectrum

FXKA32A
FXKQ32A

Cooling mode



Legend

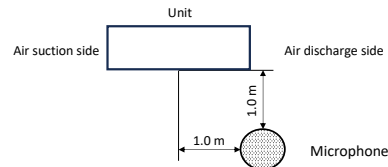
dBA = A-weighted sound pressure level (A scale according to IEC).

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

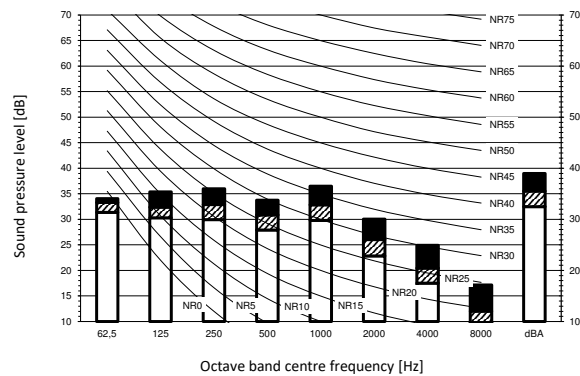
Cooling	Total dBA
A	37,0
B	34,0
C	31,5

Heating	Total dBA
A	39,0
B	35,5
C	32,5

Location of microphone



Heating mode



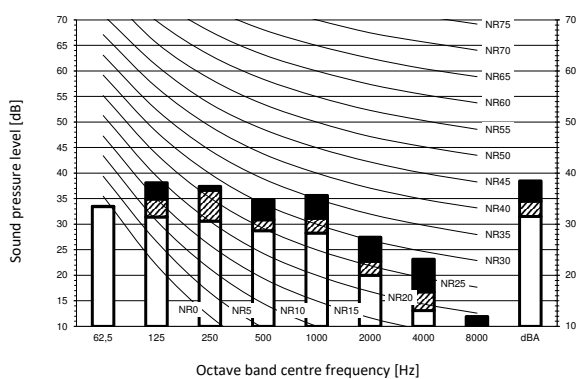
Notes

- 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

4D151071

FXKA40A
FXKQ40A

Cooling mode



Legend

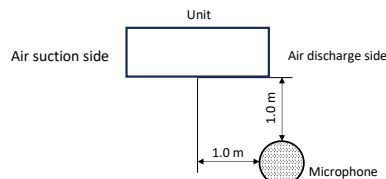
dBA = A-weighted sound pressure level (A scale according to IEC).

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

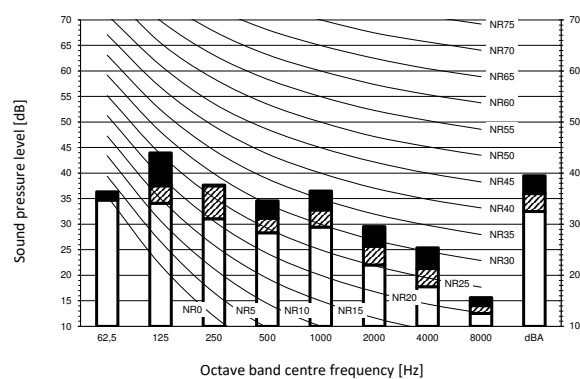
Cooling	Total dBA
A	38,5
B	34,5
C	31,5

Heating	Total dBA
A	39,5
B	36,0
C	32,5

Location of microphone



Heating mode



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

4D151072

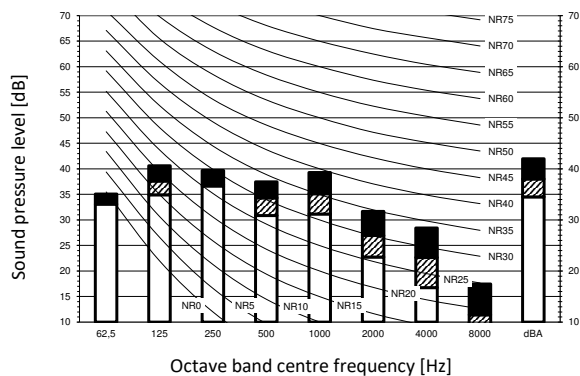
10 Sound data

10 - 2 Sound Pressure Spectrum

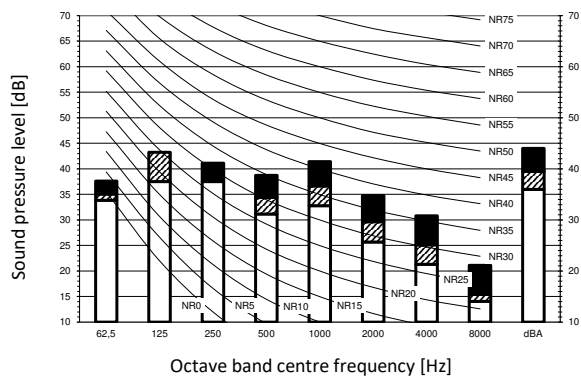
FXKA50A
FXKQ50A

10

Cooling mode



Heating mode



Legend

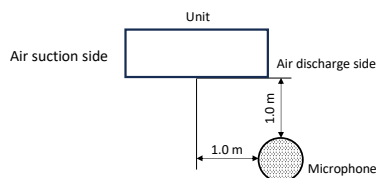
dBA = A-weighted sound pressure level (A scale according to IEC).

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

Cooling	Total dBA
A	42,0
B	38,0
C	34,5
D	

Heating	Total dBA
A	44,0
B	39,5
C	36,0
D	

Location of microphone



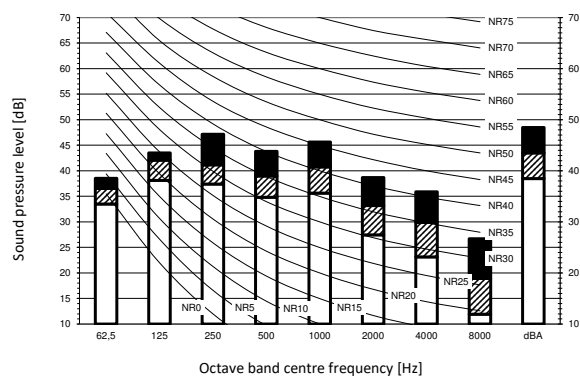
Notes

- 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

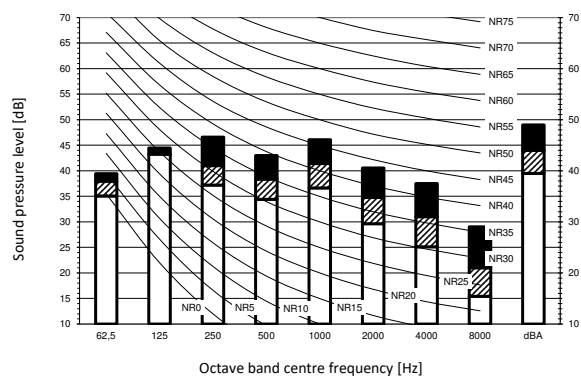
4D151073

FXKA63A
FXKQ63A

Cooling mode



Heating mode



Legend

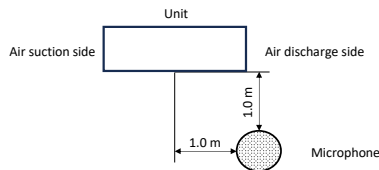
dBA = A-weighted sound pressure level (A scale according to IEC).

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

Cooling	Total dBA
A	48,5
B	43,5
C	38,5
D	

Heating	Total dBA
A	49,0
B	44,0
C	39,5
D	

Location of microphone



Notes

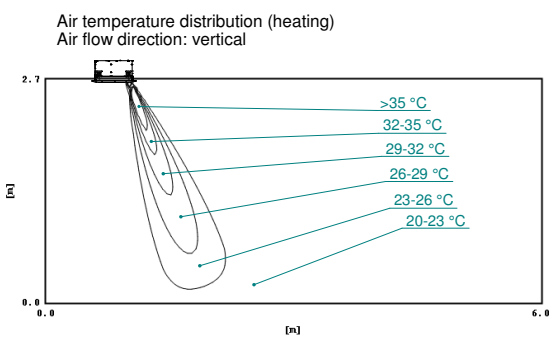
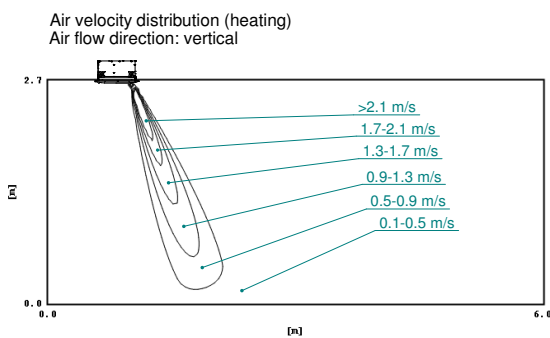
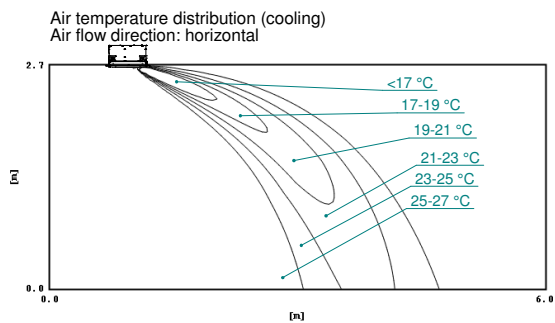
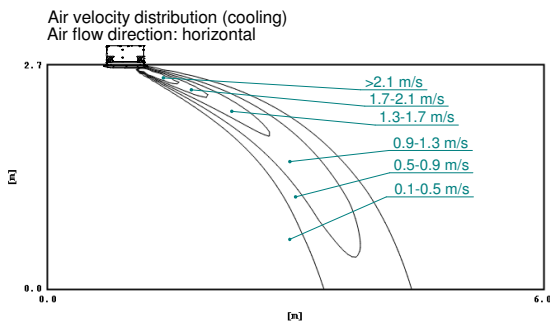
- 1) Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 2) Background noise already taken into account.
- 3) Operating noise varies depending on operation and ambient conditions.
- 4) The operation noise measuring method is in accordance with JISC9612.
- 5) Measuring location: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

4D151074

11 Air flow patterns

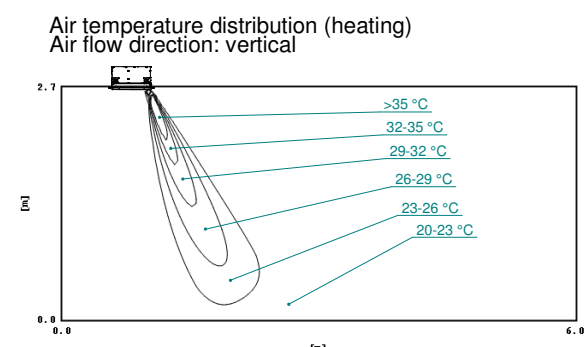
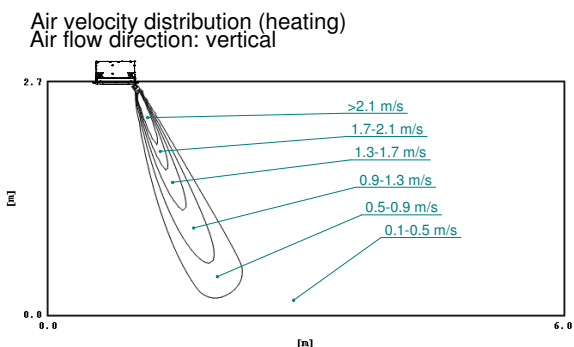
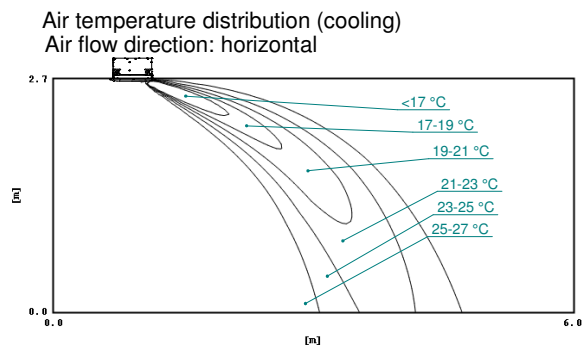
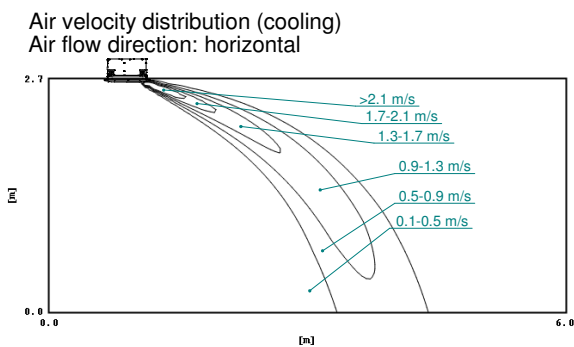
11 - 1 Air flow pattern - Cooling and Heating

FXKA20A
FXKQ20A



3D150986

FXKA25A
FXKQ25A



3D150987

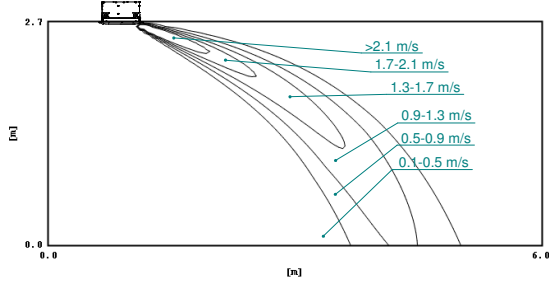
11 Air flow patterns

11 - 1 Air flow pattern - Cooling and Heating

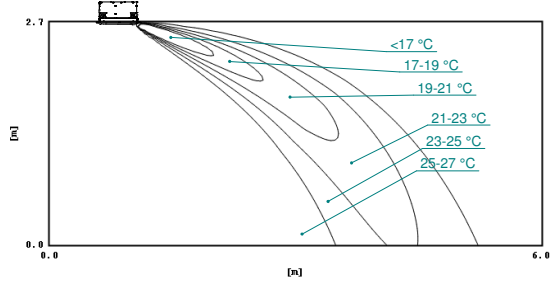
11

FXKA32A
FXKQ32A

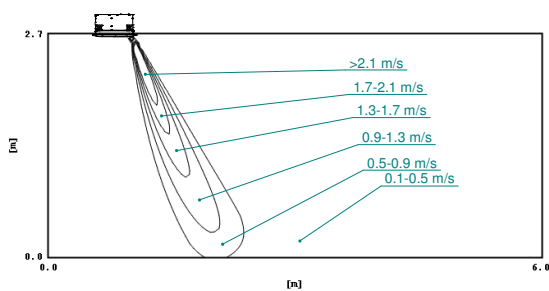
Air velocity distribution (cooling)
Air flow direction: horizontal



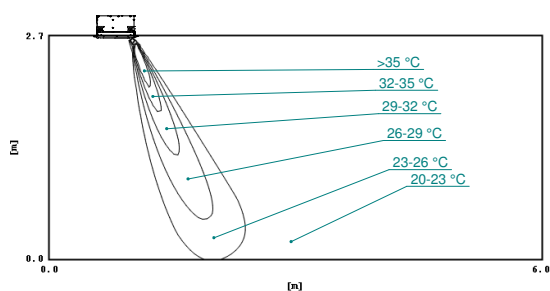
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



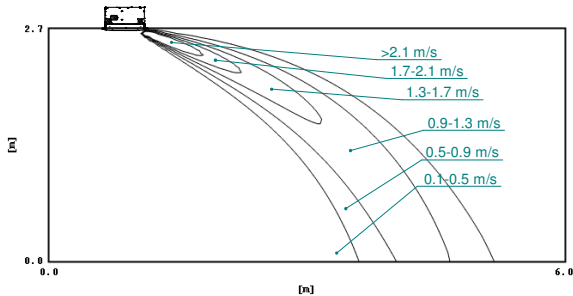
Air temperature distribution (heating)
Air flow direction: vertical



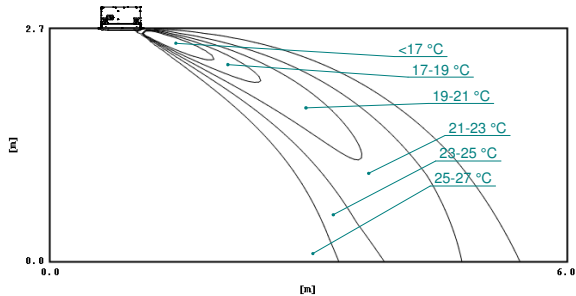
3D150988

FXKA40A
FXKQ40A

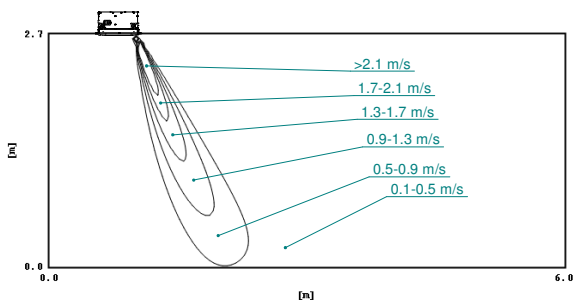
Air velocity distribution (cooling)
Air flow direction: horizontal



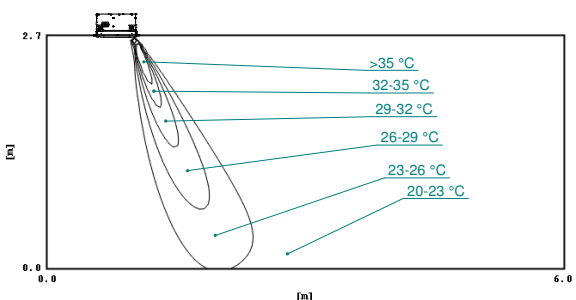
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



3D150989

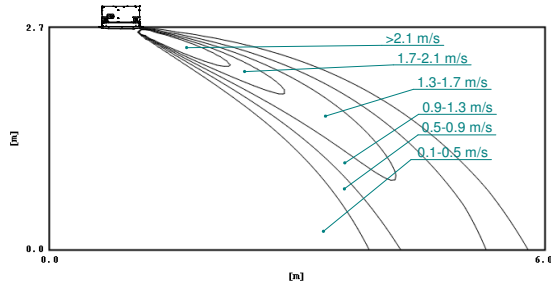
11 Air flow patterns

11 - 1 Air flow pattern - Cooling and Heating

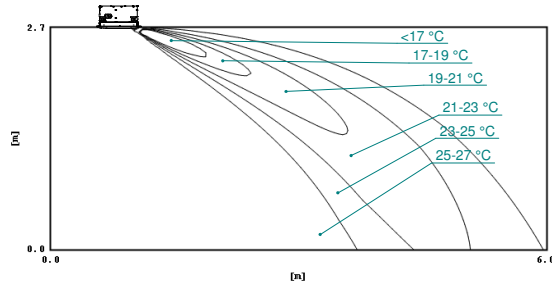
11

FXKA50A
FXKQ50A

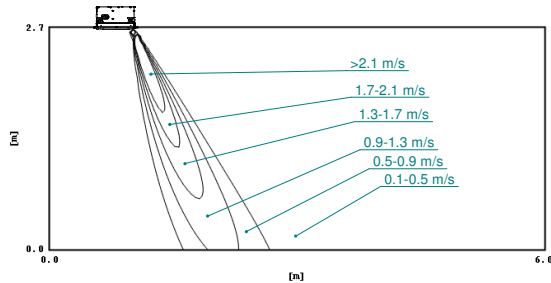
Air velocity distribution (cooling)
Air flow direction: horizontal



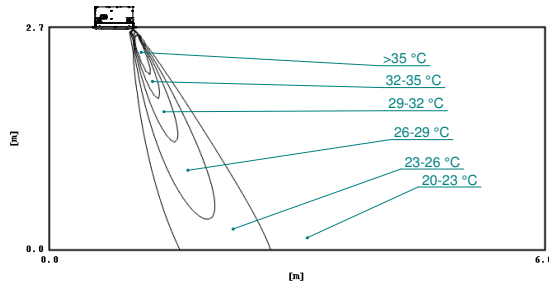
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



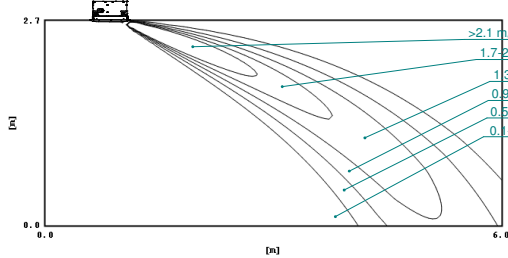
Air temperature distribution (heating)
Air flow direction: vertical



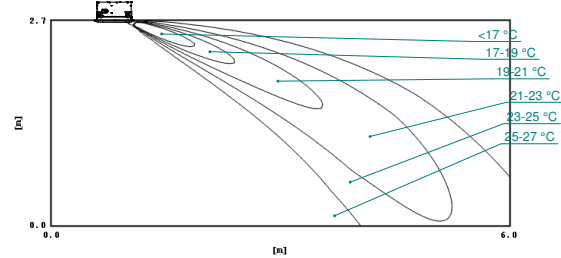
3D150990

FXKA63A
FXKQ63A

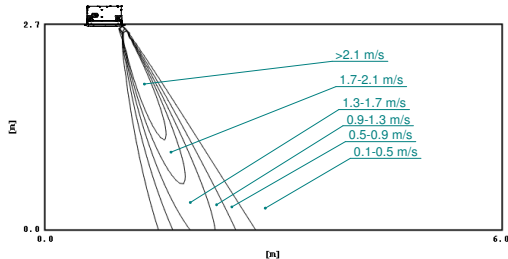
Air velocity distribution (cooling)
Air flow direction: horizontal



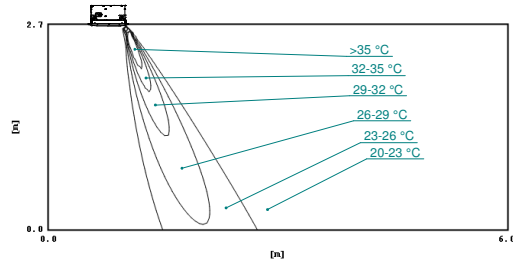
Air temperature distribution (cooling)
Air flow direction: horizontal



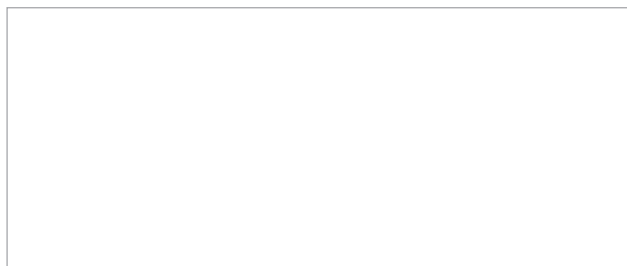
Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



3D150991



EEDEN26

04/2026



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