

Ceiling suspended unit Air Conditioning Technical Data FXHA-A



FXHA32AVEB8
FXHA32AVEB
FXHA50AVEB8
FXHA50AVEB
FXHA63AVEB8
FXHA63AVEB
FXHA100AVEB8
FXHA100AVEB

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FXHA-A

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1 Features

1 - 1 FXHA-A

For wide rooms with no false ceilings nor free floor space

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- › Optimised design for R-32 refrigerant
- › Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- › Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- › Can easily be installed in both new and refurbishment projects
- › Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- › Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
- › Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.



Onecta app
(optional)



Home leave
operation



Fan only



Auto cooling-
heating
changeover



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

2 - 1 Specifications

Technical specifications					FXHA32A		FXHA32A		FXHA50A		FXHA50A		FXHA63A		FXHA63A		
Cooling capacity	Sensible capacity	At high fan speed		kW	2.5				3.8				4.9				
		At medium fan speed		kW	2.2				3.2				4.0				
		At low fan speed		kW	1.9				2.7				3.3				
	Latent capacity	At high fan speed		kW	1.1				1.8				2.2				
		At medium fan speed		kW	0.9				1.5				1.8				
		At low fan speed		kW	0.8				1.3				1.4				
	Total capacity	At high fan speed		kW	3.6				5.6				7.1				
		At medium fan speed		kW	3.1				4.7				5.8				
		At low fan speed		kW	2.7				4.0				4.7				
Heating capacity	Total capacity	At high fan speed		kW	4.0				6.3				8.0				
		At medium fan speed		kW	3.4				5.1				6.3				
		At low fan speed		kW	2.9				4.1				5.0				
Power input - 50Hz	Cooling	At high fan speed		kW	0.033				0.037				0.051				
		At medium fan speed		kW	0.026				0.028				0.036				
		At low fan speed		kW	0.021				0.024				0.027				
	Heating	At high fan speed		kW	0.033				0.037				0.051				
		At medium fan speed		kW	0.026				0.028				0.036				
		At low fan speed		kW	0.021				0.024				0.027				
Power input - 60Hz	Cooling	At high fan speed		kW	0.033				0.037				0.051				
	Heating	At high fan speed		kW	0.033				0.037				0.051				
Dimensions	Unit	Height		mm					235								
		Width		mm	960						1,270						
		Depth		mm					690								
	Packed unit	Height		mm	336		340		334		349		334		349		
		Width		mm	1,060		1,116		1,388		1,426		1,388		1,426		
		Depth		mm	824		858		869		878		869		878		
Weight	Unit		kg	28						36							
	Packed unit		kg	34		37		46		50		46		50			
Casing	Colour		Fresh White														
	Material		Resin, sheet metal														
Heat exchanger	Inside length		mm	722						1,032							
	Rows	Quantity			2						3						
	Fin pitch		mm							1.50							
	Passes	Quantity			4						5						
	Face area		m²			0.213						0.303					
	Stages	Quantity									14						
Heat exchanger	Empty tubeplate hole	Quantity									0						
	Tube type		Hi-XSL														
	Fin	Type	Multi louver fin														
	Type		Sirocco fan														
Fan	Quantity				2						3						
	Air flow rate - 50Hz	Cooling	At high fan speed		m³/min	12.5				16.0				17.5			
			At medium fan speed		m³/min	11.0				14.0				15.0			
			At low fan speed		m³/min	10.0				12.5				13.0			
		Heating	At high fan speed		m³/min	12.5				16.0				17.5			
			At medium fan speed		m³/min	11.0				14.0				15.0			
			At low fan speed		m³/min	10.0				12.5				13.0			
	Air flow rate - 60Hz	Cooling	At high fan speed		cfm	441				565				618			
			At medium fan speed		cfm	388				494				530			
			At low fan speed		cfm	353				441				459			
		Heating	At high fan speed		cfm	441				565				618			
			At medium fan speed		cfm	388				494				530			
			At low fan speed		cfm	353				441				459			
	Sound power level	Cooling	At high fan speed		dBA			54.0						55.0			
At medium fan speed			dBA			52.0						53.0					
At low fan speed			dBA	49.0				50.0				52.0					
Heating		At high fan speed		dBA			54.0						55.0				
		At medium fan speed		dBA			52.0						53.0				
		At low fan speed		dBA	49.0				50.0				52.0				
Sound pressure level	Cooling	At high fan speed		dBA	36.0				36.5				37.0				
		At medium fan speed		dBA	34.0				34.5				35.0				
		At low fan speed		dBA	31.0				33.0				34.0				
	Heating	At high fan speed		dBA	36.0				36.5				37.0				
		At medium fan speed		dBA	34.0				34.5				35.0				
		At low fan speed		dBA	31.0				33.0				34.0				
Fan motor	Quantity								1								
	Speed	Steps							3								
	Output	Max	W	87						117							
Refrigerant	Type								R-32								
	GWP								675								

2 Specifications

2 - 1 Specifications

2

Technical specifications				FXHA32A	FXHA32A	FXHA50A	FXHA50A	FXHA63A	FXHA63A
Piping connections	Liquid	Type		Flare connection					
		OD	mm	6.35	6.4	6.35	6.4	6.35	6.4
Piping connections	Gas	Type		Flare connection					
	OD	mm	9.52	9.5	12.7				
	Drain		VP20						
	Heat insulation		Foamed polystyrene / Foamed polyethylene						
	Sound absorbing insulation		Foamed polyurethane						
Air filter	Type		Resin net						
Safety devices	Item	01	PC board fuse						
		02	Fan motor overcurrent protector						
Control systems	Infrared remote control		BRC7GA56 / BRC-7GA53-9	BRC7GA53-9	BRC7GA56 / BRC-7GA53-9	BRC7GA53-9	BRC7GA56 / BRC-7GA53-9	BRC7GA53-9	
	Wired remote control		BRC1H52W/S/K / BRC1H82W/S/K	BRC1H52W/S/K	BRC1H52W/S/K / BRC1H82W/S/K	BRC1H52W/S/K	BRC1H52W/S/K / BRC1H82W/S/K	BRC1H52W/S/K	

Technical specifications					FXHA100A		FXHA100A		
Cooling capacity	Sensible capacity	At high fan speed		kW	8.0				
		At medium fan speed		kW	6.2				
		At low fan speed		kW	4.1				
	Latent capacity	At high fan speed		kW	3.2				
		At medium fan speed		kW	2.5				
		At low fan speed		kW	1.7				
	Total capacity	At high fan speed		kW	11.2				
		At medium fan speed		kW	8.7				
		At low fan speed		kW	5.8				
Heating capacity	Total capacity	At high fan speed		kW	12.5				
		At medium fan speed		kW	9.3				
		At low fan speed		kW	6.0				
Power input - 50Hz	Cooling	At high fan speed		kW	0.086				
		At medium fan speed		kW	0.055				
		At low fan speed		kW	0.038				
	Heating	At high fan speed		kW	0.086				
		At medium fan speed		kW	0.055				
		At low fan speed		kW	0.038				
Power input - 60Hz	Cooling	At high fan speed		kW	0.086				
	Heating	At high fan speed		kW	0.086				
Dimensions	Unit	Height		mm	235				
		Width		mm	1,590				
		Depth		mm	690				
	Packed unit	Height		mm	334		349		
		Width		mm	1,708		1,746		
		Depth		mm	869		878		
	Weight	Unit			kg	43			
Packed unit				kg	55		58		
Casing	Colour				Fresh White				
	Material				Resin, sheet metal				
Heat exchanger	Inside length		mm		1,352				
	Rows	Quantity				3			
	Fin pitch		mm		1.50				
	Passes	Quantity				10			
	Face area		m²		0.398				
	Stages		Quantity				14		
Heat exchanger	Empty tubeplate hole	Quantity				0			
	Tube type				Hi-XSL				
	Fin	Type				Multi louver fin			
Fan	Type				Sirocco fan				
	Quantity				4				
	Air flow rate - 50Hz	Cooling	At high fan speed		m³/min	27.0			
			At medium fan speed		m³/min	22.0			
			At low fan speed		m³/min	19.0			
		Heating	At high fan speed		m³/min	27.0			
			At medium fan speed		m³/min	22.0			
			At low fan speed		m³/min	19.0			
	Air flow rate - 60Hz	Cooling	At high fan speed		cfm	953			
			At medium fan speed		cfm	777			
			At low fan speed		cfm	671			
		Heating	At high fan speed		cfm	953			
			At medium fan speed		cfm	777			
			At low fan speed		cfm	671			

2 Specifications

2 - 1 Specifications

Technical specifications				FXHA100A	FXHA100A
Sound power level	Cooling	At high fan speed	dB(A)	62.0	
		At medium fan speed	dB(A)	55.0	
		At low fan speed	dB(A)	52.0	
	Heating	At high fan speed	dB(A)	62.0	
		At medium fan speed	dB(A)	55.0	
		At low fan speed	dB(A)	52.0	
Sound pressure level	Cooling	At high fan speed	dB(A)	44.0	
		At medium fan speed	dB(A)	37.0	
		At low fan speed	dB(A)	34.0	
	Heating	At high fan speed	dB(A)	44.0	
		At medium fan speed	dB(A)	37.0	
		At low fan speed	dB(A)	34.0	
Fan motor	Quantity			1	
	Speed	Steps		3	
	Output	Max	W	150	
Refrigerant	Type			R-32	
	GWP			675	
Piping connections	Liquid	Type		Flare connection	
		OD	mm	9.52	9.5
Piping connections	Gas	Type		Flare connection	
		OD	mm	15.9	
	Drain			VP20	
	Heat insulation			Foamed polystyrene / Foamed polyethylene	
	Sound absorbing insulation			Foamed polyurethane	
Air filter	Type			Resin net	
Safety devices	Item	01		PC board fuse	
		02		Fan motor overcurrent protector	
Control systems	Infrared remote control			BRC7GA56 / BRC7GA53-9	BRC7GA53-9
	Wired remote control			BRC1H52W/S/K / BRC1H82W/S/K	BRC1H52W/S/K

Standard accessories: Thermal insulation tube;Quantity: 2;

Standard accessories: Resin bushing;Quantity: 1;

Standard accessories: Wiring fixture;Quantity: 2;

Standard accessories: Hose band;Quantity: 1;

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Wire clamp material;Quantity: 7;

Standard accessories: Drain hose;Quantity: 1;

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

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

Standard accessories: Screws;Quantity: 2;

Standard accessories: Sealing material;Quantity: 6;

Standard accessories: Washer;Quantity: 8;

Electrical specifications				FXHA32A	FXHA32A	FXHA50A	FXHA50A	FXHA63A	FXHA63A
Power supply	Phase					1~			
	Frequency	Hz				50/60			
	Voltage	V				220-240/220			
Current - 50Hz	Minimum circuit amps (MCA)	A		0.5		0.6		0.7	
	Maximum fuse amps (MFA)	A				6			
	Full load amps (FLA) Total	A		0.4		0.5		0.6	
Current - 60Hz	Minimum circuit amps (MCA)	A		0.5		0.6		0.7	
	Maximum fuse amps (MFA)	A				6			
	Full load amps (FLA) Total	A		0.4		0.5		0.6	

Electrical specifications				FXHA100A	FXHA100A
Power supply	Phase				1~
	Frequency	Hz			50/60
	Voltage	V			220-240/220
Current - 50Hz	Minimum circuit amps (MCA)	A			1.3
	Maximum fuse amps (MFA)	A			6
	Full load amps (FLA) Total	A			1.2
Current - 60Hz	Minimum circuit amps (MCA)	A			1.3
	Maximum fuse amps (MFA)	A			6
	Full load amps (FLA) Total	A			1.2

(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

FXHA-A

3

Safety devices		FXHA32AVEB8	FXHA50AVEB8
PCB fuse		250V, 3.15A	250V, 3.15A
Fan motor fuse (on wire)		500V, 4A	500V, 4A
Fan motor overcurrent protection	Nominal	1.65A	1.65A
Fan motor thermal protector	Maximum	125°C	125°C

Safety devices		FXHA63AVEB8	FXHA100AVEB8
PCB fuse		250V, 3.15A	250V, 3.15A
Fan motor fuse (on wire)		500V, 4A	---
Fan motor overcurrent protection	Nominal	1.65A	2.3A
Fan motor thermal protector	Maximum	125°C	125°C

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4 Options

4 - 1 Options

FXHA-A

Option kit	Product name	FXHA32A	FXHA50A	FXHA63A	FXHA100A
Wireless remote control	BRC7GA53-9 ②	✓	✓	✓	✓
WLAN adaptor for smartphones	BRP069CS1 ②	✓	✓	✓	✓
Wired remote control	BRC1H52/82W7/57/K7 ①	✓	✓	✓	✓
Intelligent Tablet Controller	DCC601A51 ②	✓	✓	✓	✓
Intelligent touch controller	DCS601CS1 ②⑨	✓	✓	✓	✓
Central remote control	DCS302CA51 ②⑦⑪	✓	✓	✓	✓
	DCS302CA61 ②⑦⑩	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51 ②⑧⑪	✓	✓	✓	✓
	DCS301BA61 ②⑧⑩	✓	✓	✓	✓
Intelligent Touch Manager	DCM601B51 ②	✓	✓	✓	✓
Long-life replacement filter (nonwoven type)	KAF501B56	✓	✗	✗	✗
	KAF501B80	✗	✓	✓	✗
	KAF501B160	✗	✗	✗	✓
External wired temperature sensor	KRCS01-6B	✓	✓	✓	✓
External wireless temperature sensor	EKEWTSC-1 ⑤	✓	✓	✓	✓
Adaptor with -2- output signals	KRP1BA58 ③	✓	✓	✓	✓
Adaptor with -4- output signals	EKRP1C14 ③	✓	✓	✓	✓
Adaptor for centralised external monitoring/ control via dry contacts and setpoint control via 0--140-Ω (for dedicated indoors)	KRP4AA52 ③	✓	✓	✓	✓
Adaptor for external central monitoring/control (controls 1 entire system)	KRP2A526 ③	✓	✓	✓	✓
Adaptor for keycard and/or window contact connection	BRP7A52 ②③	✓	✓	✓	✓
PCB for multi-tenant indoor units	DTA114A61-9 ③⑥	✓	✓	✓	✓
External adaptor for outdoor unit (installation on indoor unit)	DTA104A51 ③⑪	✓	✓	✓	✓
	DTA104A61 ③⑩	✓	✓	✓	✓
Installation box for adaptor PCB	KRP1D93B	✓	✓	✓	✓
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 ④	✓	✓	✓	✓
Drain pump kit	KDU50R63	✓	✓	✓	✗
	KDU50R160	✗	✗	✗	✓
L-type piping kit	KHFPSN63	✗	✓	✓	✗
	KHFPSN160	✗	✗	✗	✓

Notes

- ① Mandatory option
- ② Only possible in combination with remote control -BRC1H52/82-.
- ③ Requires installation box for adaptor PCB -KRP1D93B-.
- ④ Requires installation box for adaptor PCB -KRP1D93B / KRP4B93-.
- ⑤ -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.
- ⑥ This option cannot be combined with -RXYSAA4/5/6A7V1B- or -RXYSAA4/5/6A7Y1B-.
- ⑦ Requires installation box -KJB311AA-.
- ⑧ Requires installation box -KJB212AA-.
- ⑨ Requires installation box -KJB411A-.
- ⑩ Language pack -English-
- ⑪ Language pack -English, German, French, Dutch, Spanish, Italian, Greek, Portuguese-

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5 Capacity tables

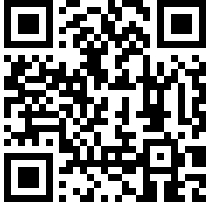
5 - 1 Capacity Table Legend

5

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://vrvxpress2.daikin.eu/CTV#/capacity>



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



5 Capacity tables

5 - 2 Cooling/Heating Capacity Tables

FXHA-A

Cooling

Cooling		Indoor air temperature														Notes
Unit size	Fan speed	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]		1) TC: Total capacity [kW] SHC: [kW] H: High M: Medium L: Low 2) Outdoor temperature -35°C DB
		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	
32	H	1,9	1,7	2,6	2,0	3,2	2,4	3,6	2,5	4,0	2,6	4,8	2,9	5,6	3,1	
	M	Correction factor -0.86 × H-														
	L	Correction factor -0.75 × H-														
50	H	3,1	2,6	4,0	3,1	5,1	3,6	5,6	3,8	6,2	4,0	7,3	4,3	8,6	4,6	
	M	Correction factor -0.84 × H-														
	L	Correction factor -0.71 × H-														
63	H	4,0	3,3	5,2	4,0	6,4	4,7	7,1	4,9	7,8	5,1	9,2	5,5	10,7	5,9	
	M	Correction factor -0.82 × H-														
	L	Correction factor -0.66 × H-														
100	H	6,1	5,3	8,1	6,4	10,1	7,6	11,2	8,0	12,3	8,3	14,7	8,9	17,2	9,5	
	M	Correction factor -0.78 × H-														
	L	Correction factor -0.52 × H-														

Heating

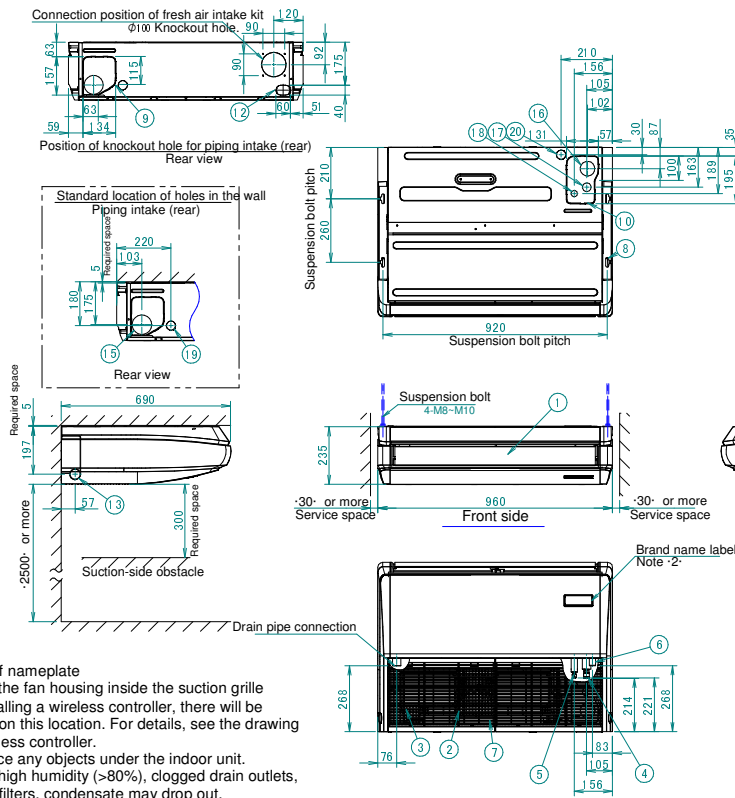
Heating		Indoor air temperature						Notes
Unit size	Fan speed	16,0 [°C DB]	18,0 [°C DB]	20,0 [°C DB]	21,0 [°C DB]	22,0 [°C DB]	24,0 [°C DB]	
		TC	TC	TC	TC	TC	TC	1) TC: Total capacity [kW] H: High M: Medium L: Low 2) Outdoor temperature -7°C DB / -6°C WB
32	H	4,7	4,3	4,0	3,8	3,7	3,3	
	M	Correction factor -0.85 × H·						
	L	Correction factor -0.73 × 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·						
63	H	9,3	8,7	8,0	7,7	7,3	6,7	
	M	Correction factor -0.79 × H·						
	L	Correction factor -0.63 × H·						
100	H	14,6	13,6	12,5	12,0	11,4	10,4	
	M	Correction factor -0.74 × H·						
	L	Correction factor -0.48 × H·						

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6 Dimensional drawings

6 - 1 Dimensional Drawings

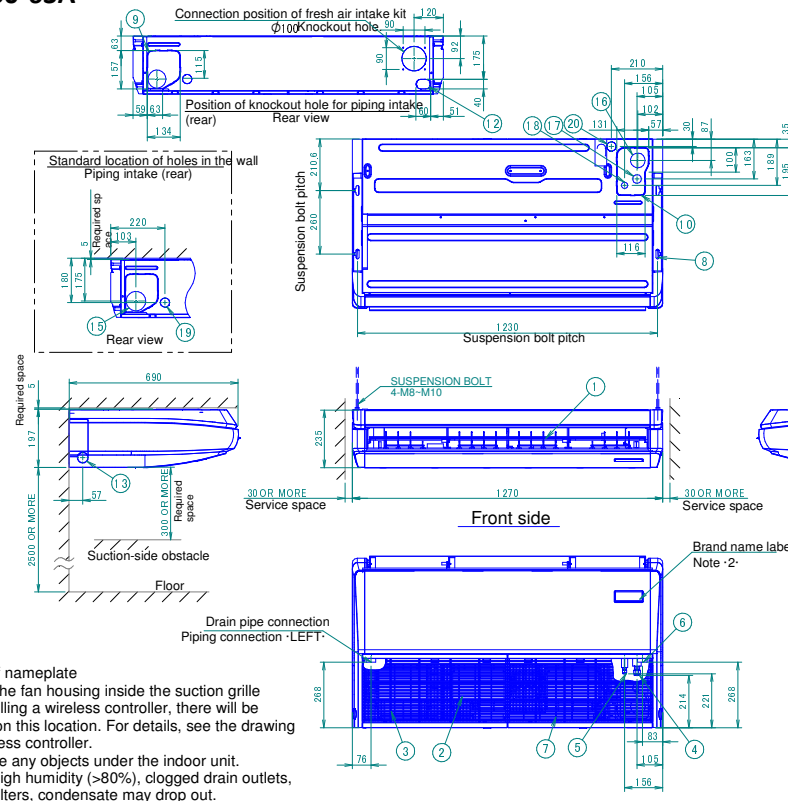
FXHA32A



Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection •Ø9.5• flare	
5	Liquid pipe connection •Ø6.4• flare	
6	Drain pipe connection	VP20
7	Terminal block with earth terminal	M4
8	Located inside of the unit	
9	Metal hanger	
10	Position of knockout hole	Rear side
11	Position of knockout hole	Top
12	Piping intake (right)	Knockout hole.
13	Drain piping intake (left-rear)	Knockout hole.
14	Drain piping intake (left)	Knockout hole.
15	Drain piping intake (right)	Knockout hole.
16	Standard location of holes in the wall	Knockout hole.
17	Piping intake (rear)	Ø100
18	Drain piping intake (top)	Ø60
19	Gas piping intake (top)	Ø36
20	Liquid piping intake (top)	Ø26
21	Power supply wiring and control wiring intake (rear)	Ø29
22	Power supply wiring and control wiring intake (top)	Ø29

3D106574A

FXHA50-63A



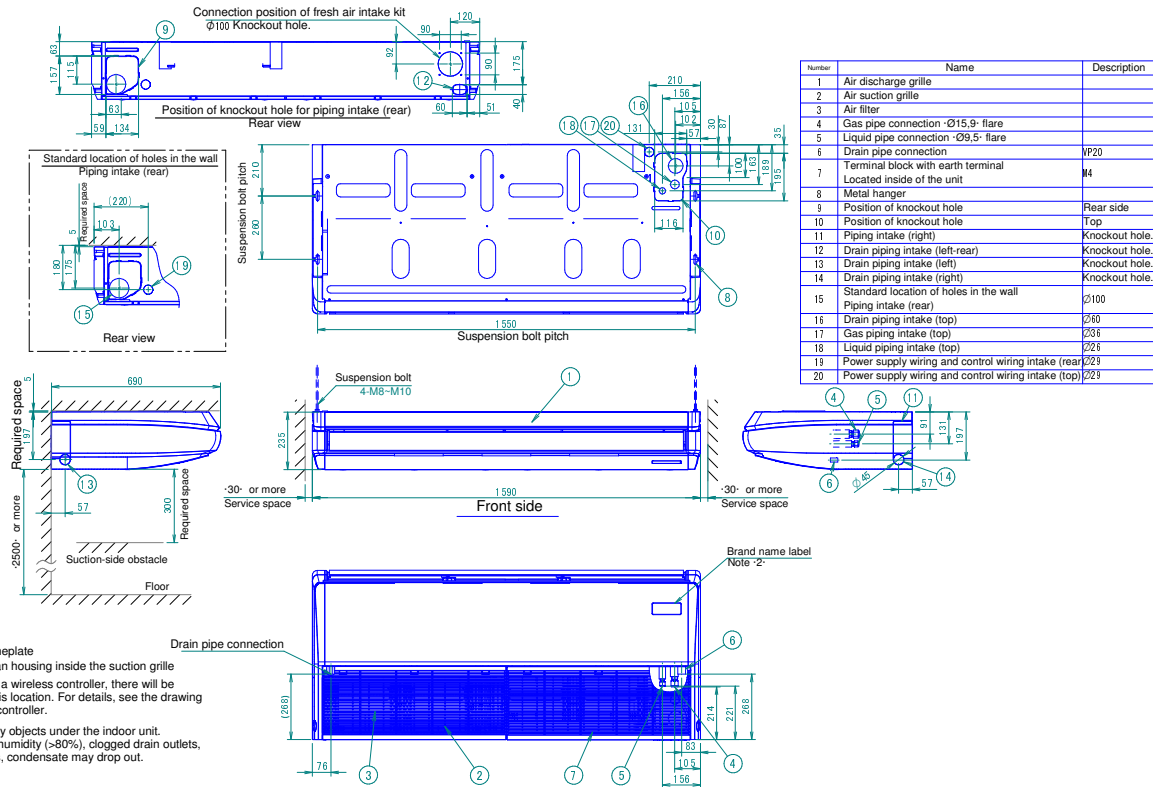
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe	Ø12.7 FLARE
5	Liquid pipe	Ø6.4 FLARE
6	Drain pipe connection	VP20
7	Terminal block with earth terminal	M4
8	Located inside of the unit	
9	Metal hanger	
10	Position of knockout hole	Rear side
11	Position of knockout hole	Top
12	Piping intake (right)	Knockout hole.
13	Drain piping intake (left-rear)	Knockout hole.
14	Drain piping intake (left)	Knockout hole.
15	Drain piping intake (right)	Knockout hole.
16	Standard location of holes in the wall	Knockout hole.
17	Piping intake (rear)	Ø100
18	Drain piping intake (top)	Ø60
19	Gas piping intake (top)	Ø36
20	Liquid piping intake (top)	Ø26
21	Power supply wiring and control wiring intake (rear)	Ø29
22	Power supply wiring and control wiring intake (top)	Ø29

3D106552

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXHA-A



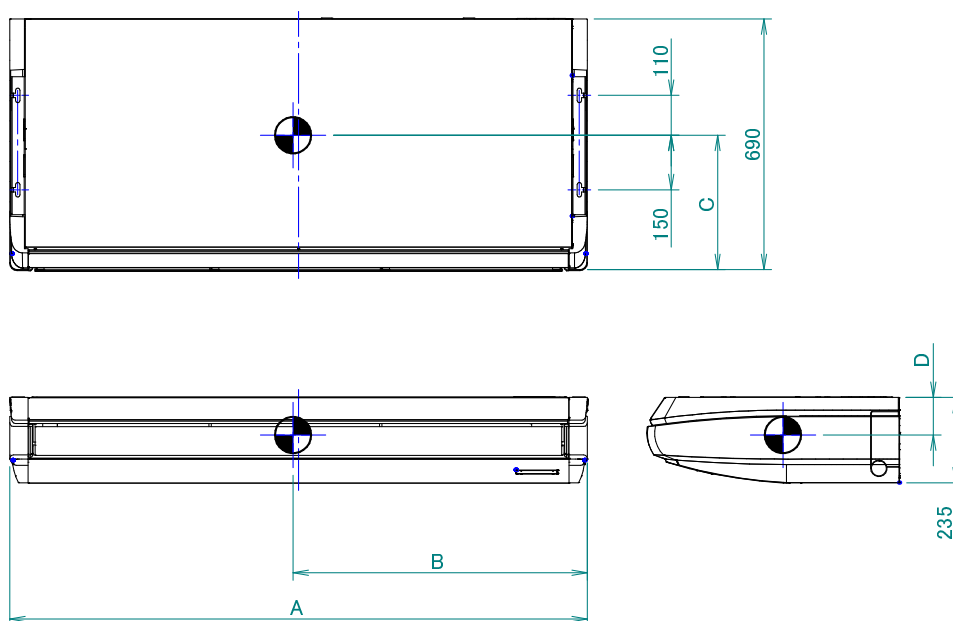
- Notes
- 1) Location of nameplate
Bottom of the fan housing inside the suction grille
 - 2) When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
 - 3) Do not place any objects under the indoor unit.
In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106530B

7 Centre of gravity

7 - 1 Centre of Gravity

FXHA-A

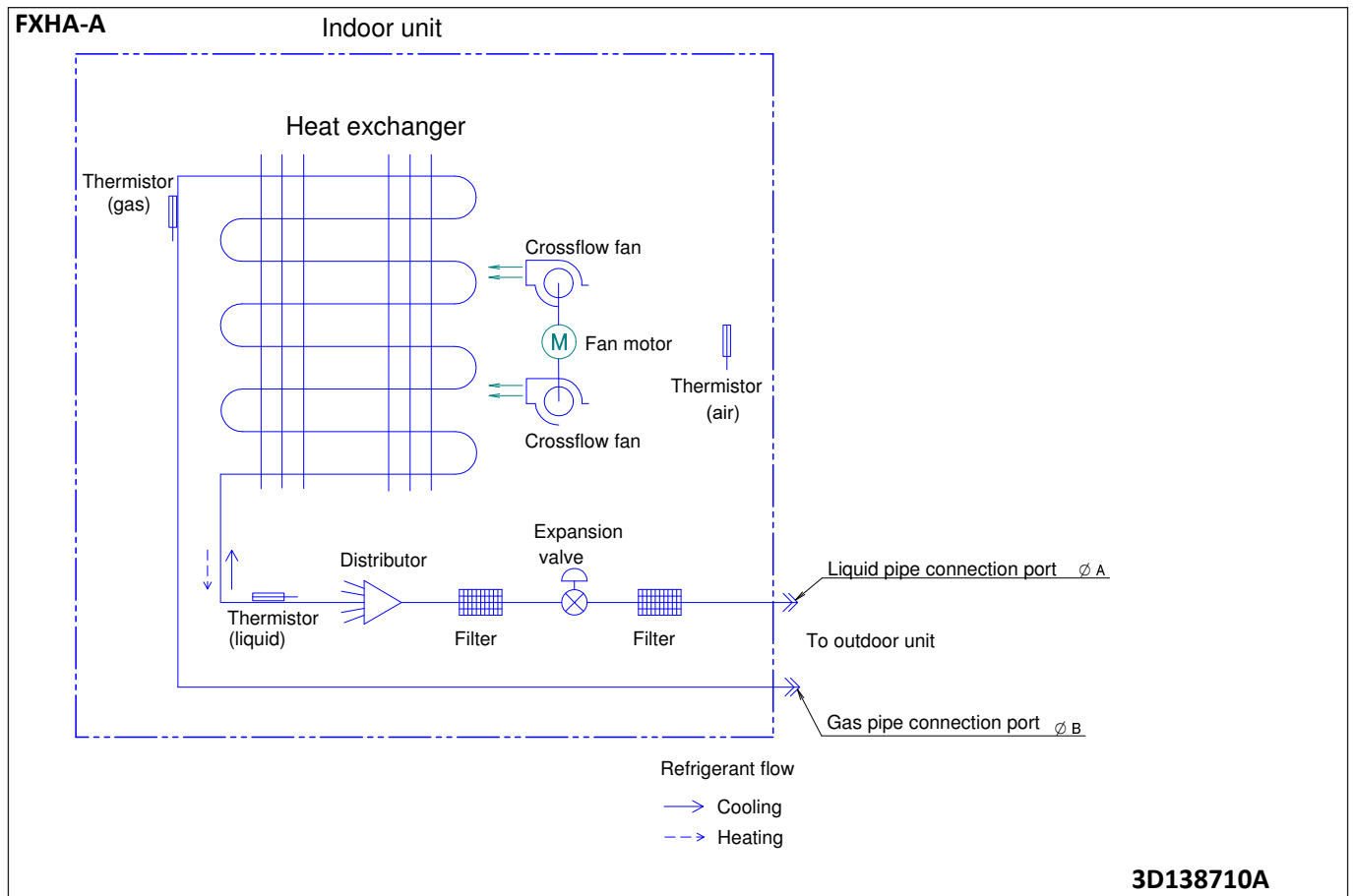


Model name	A	B	C	D
FXHA32AVEB8 FXHQ32AVEB8	960	475	365	85
FXHA50AVEB8 FXHA63AVEB8 FXHQ63AVEB8	1270	660	365	85
FXHA100AVEB8 FXHQ100AVEB8	1590	820	365	85

4D145200A

8 Piping diagrams

8 - 1 Piping Diagrams

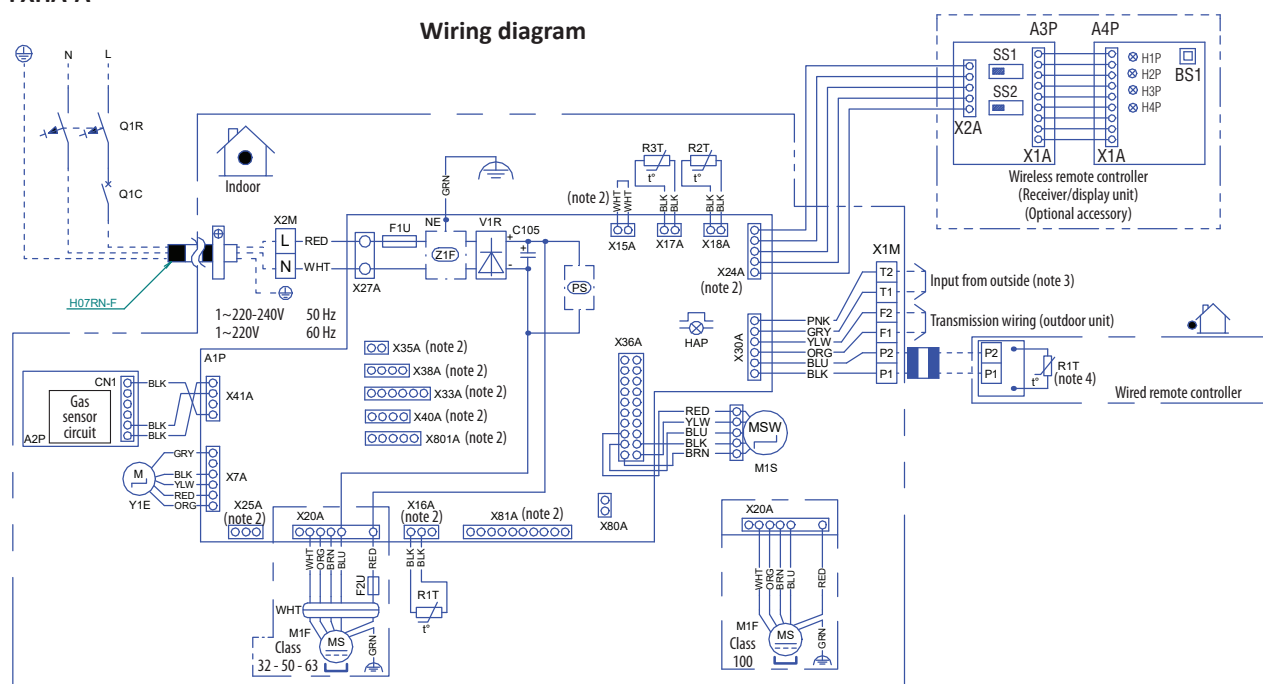


9 Wiring diagrams

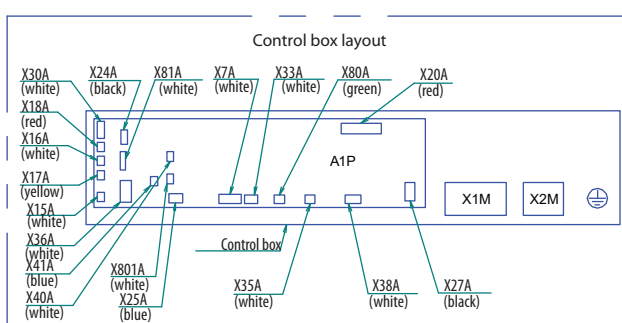
9 - 1 Wiring Diagrams - Single Phase

FXHA-A

Wiring diagram



Indoor unit	
A1P	Printed circuit board (main)
C105	Capacitor
F1U	Fuse (T, 3.15A, 250V)
F2U	Fuse
HAP	Flashing lamp (Service monitor: green)
M1S	Motor (swing blade)
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)
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)
Wireless remote controller	
A3P	Printed circuit board
A4P	Printed circuit board
BS1	Push button switch (on/off)
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 (Wireless address set)



NOTES

1. □ □ □ : terminal block, □ □ □ : connector, - □ □ □ : field wiring, □ □ □ : short circuit connector
2. X15A, X16A, X24A, X25A, X33A, X35A, X38A, X40A, X81A, 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. See installation manual for more information.
4. In case of main/sub changeover, see the installation manual attached to remote controller.

WIRE COLORS

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

3D137545

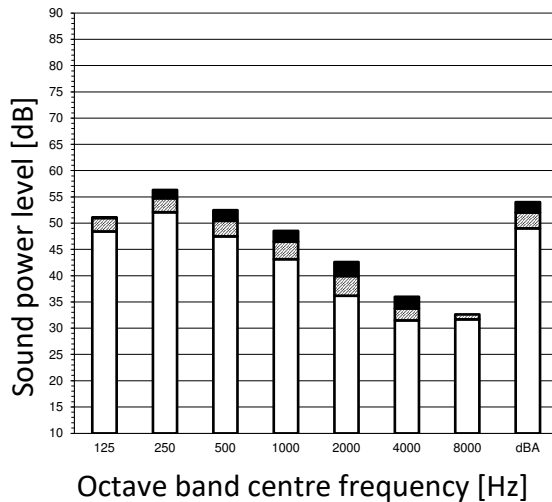
10 Sound data

10 - 1 Sound Power Spectrum

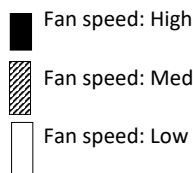
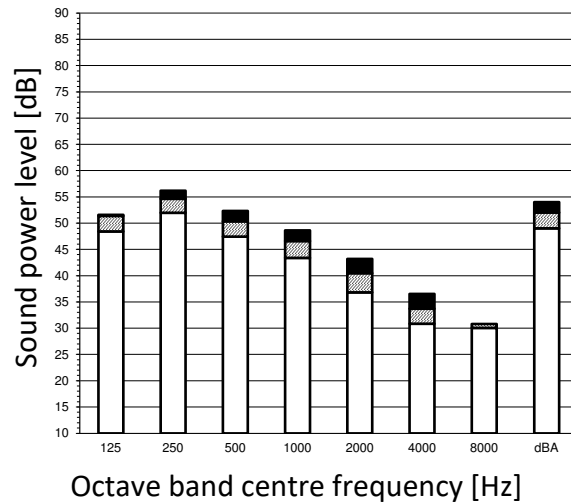
FXHA32A

10

Cooling



Heating



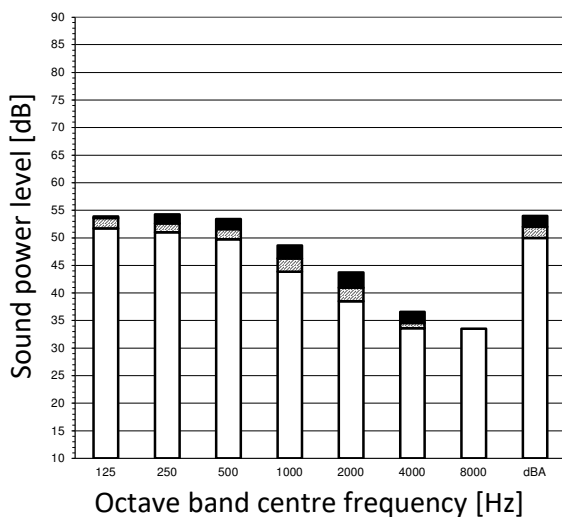
Notes

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

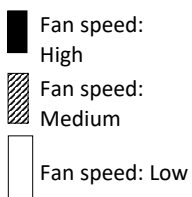
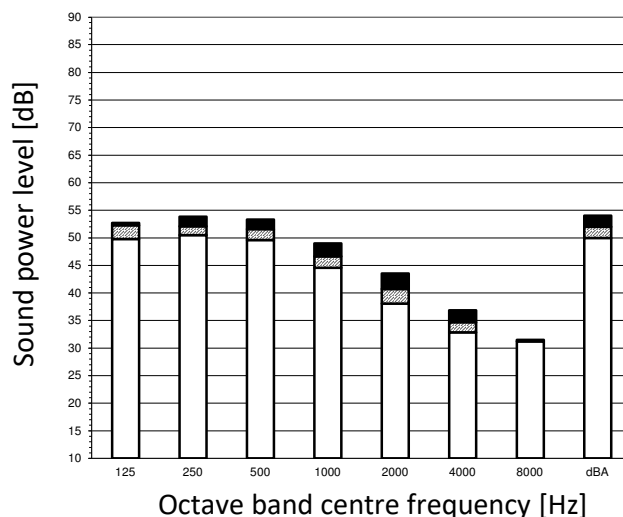
4D139058

FXHA50A

Cooling



Heating



Notes

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

4D139059

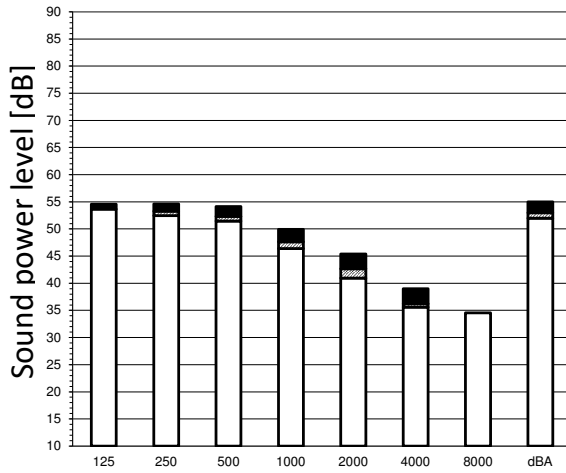
10 Sound data

10 - 1 Sound Power Spectrum

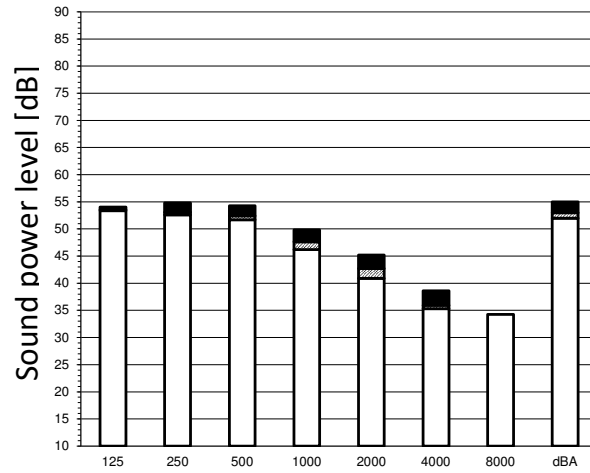
FXHA63A

10

Cooling

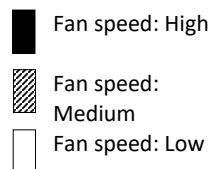


Heating



Octave band centre frequency [Hz]

Octave band centre frequency [Hz]



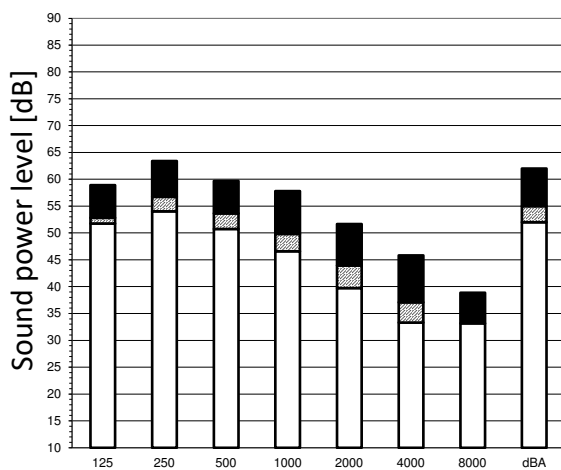
Notes

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

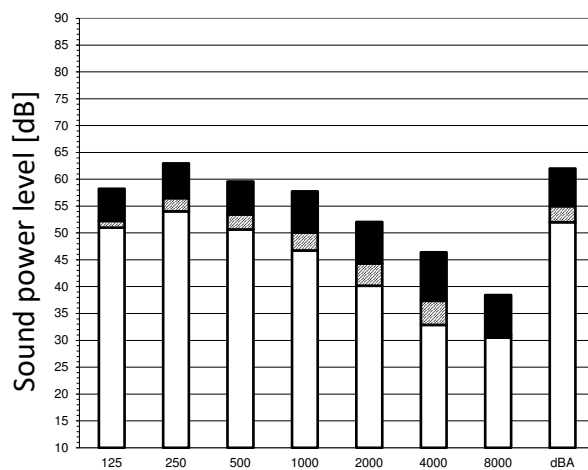
4D139060

FXHA100A

Cooling

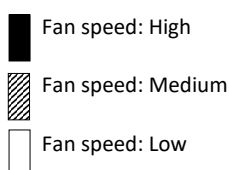


Heating



Octave band centre frequency [Hz]

Octave band centre frequency [Hz]



Notes

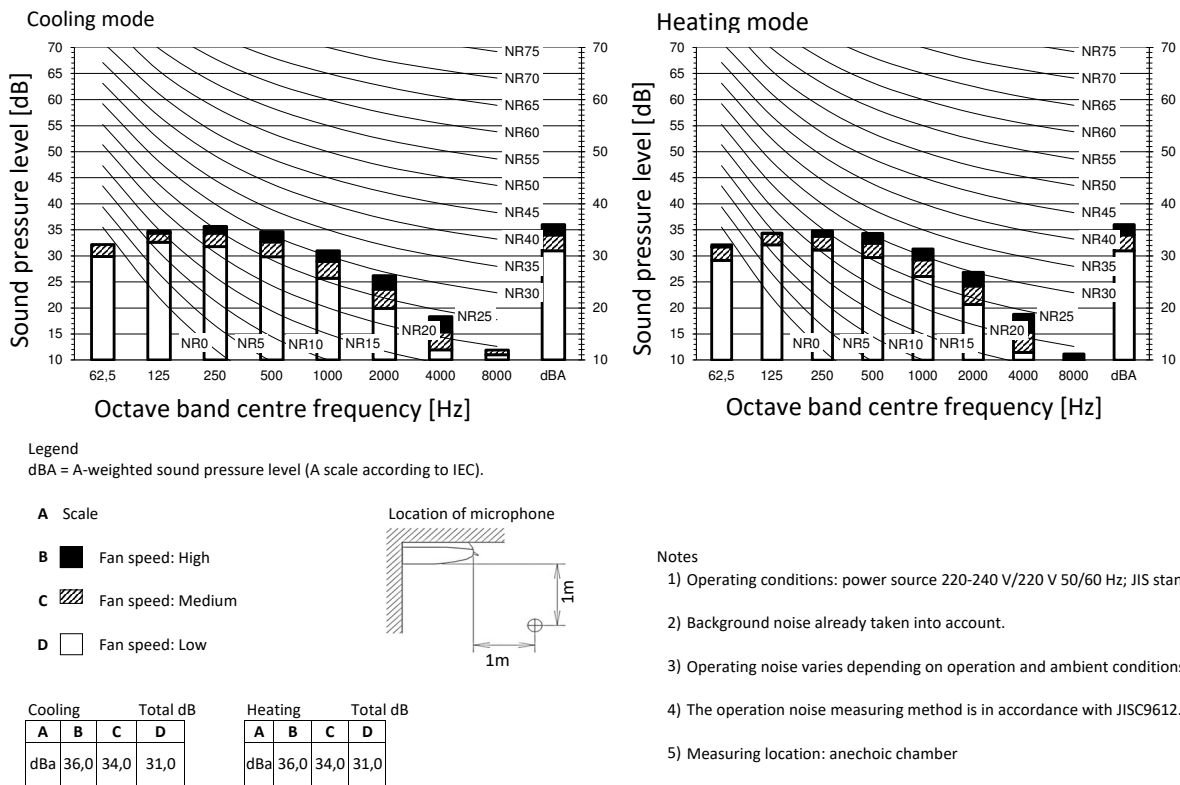
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 10^{-6} W
3. Measured according to ISO 3744

4D139061

10 Sound data

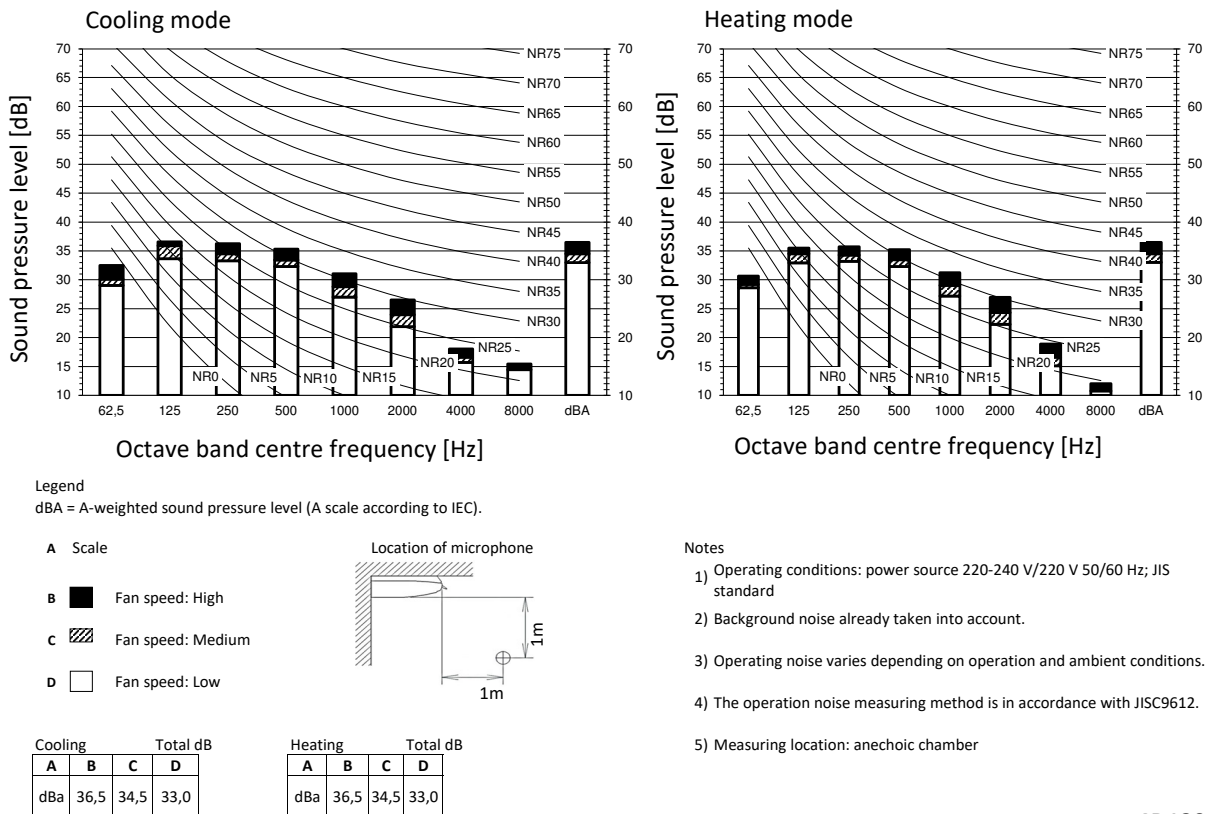
10 - 2 Sound Pressure Spectrum

FXHA32A



4D139052

FXHA50A



4D139054

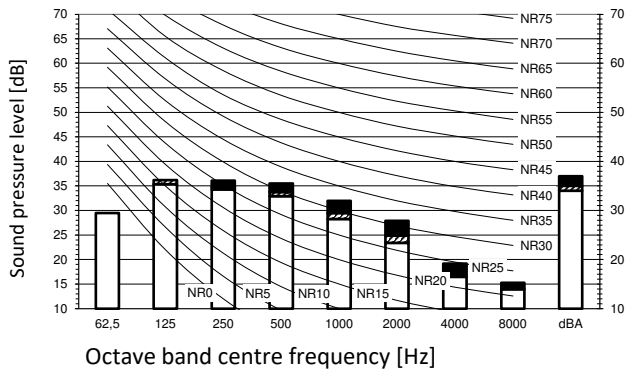
10 Sound data

10 - 2 Sound Pressure Spectrum

FXHA63A

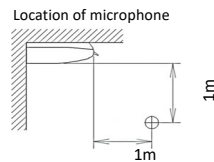
10

Cooling mode



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

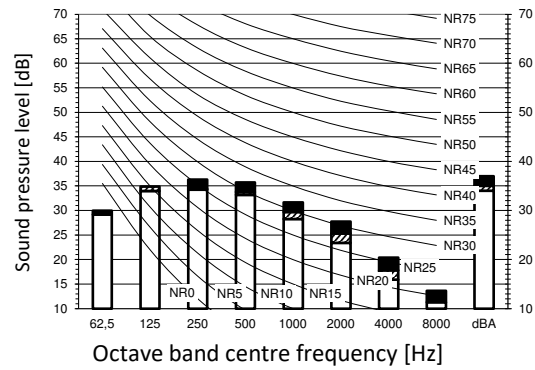
- A Scale
B Fan speed: High
C Fan speed: Medium
D Fan speed: Low



Cooling	Total dB
A B C D	
dBa	37,0 35,0 34,0

Heating	Total dB
A B C D	
dBa	37,0 35,0 34,0

Heating mode

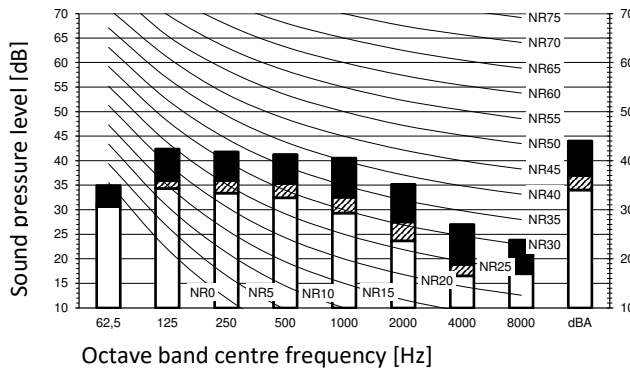


- Notes
1) Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2) Background noise already taken into account.
3) Operating noise varies depending on operation and ambient conditions.
4) The operation noise measuring method is in accordance with JISC9612.
5) Measuring location: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

4D139055

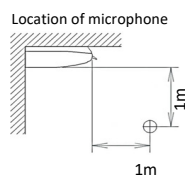
FXHA100A

Cooling mode



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

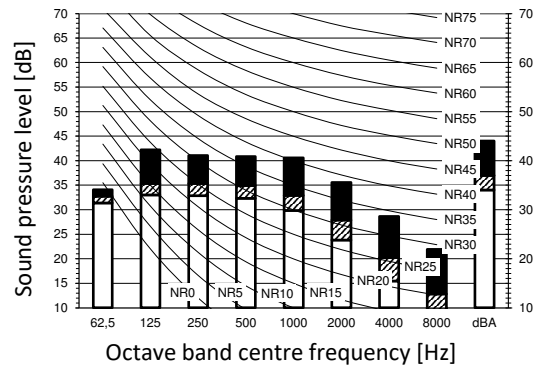
- A Scale
B Fan speed: High
C Fan speed: Medium
D Fan speed: Low



Cooling	Total dB
A B C D	
dBa	44,0 37,0 34,0

Heating	Total dB
A B C D	
dBa	44,0 37,0 34,0

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

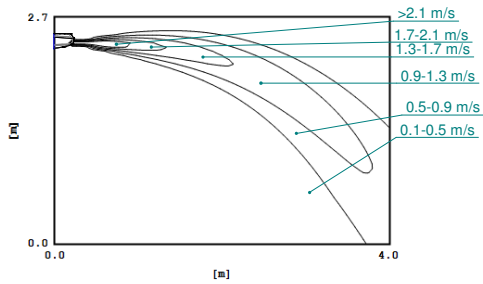
4D139056

11 Air flow patterns

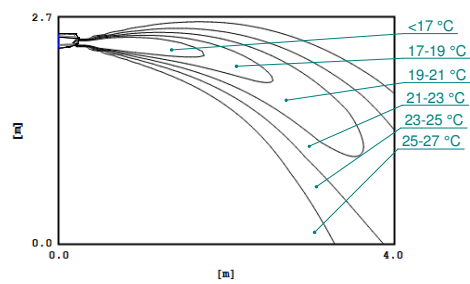
11 - 1 Air flow pattern - Cooling and Heating

FXHA32A

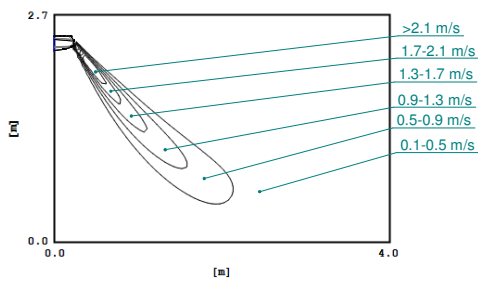
Air velocity distribution (cooling)
Air flow direction: horizontal



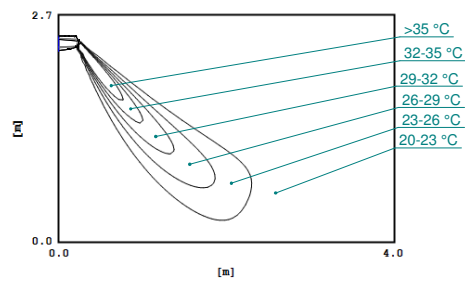
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



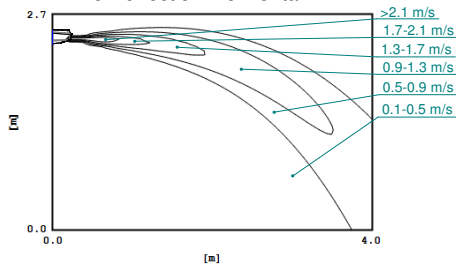
Air temperature distribution (heating)
Air flow direction: vertical



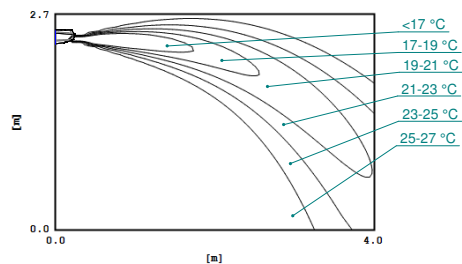
3D138871

FXHA50A

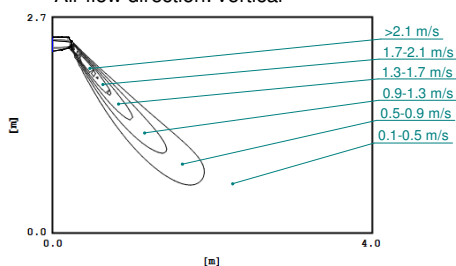
Air velocity distribution (cooling)
Air flow direction: horizontal



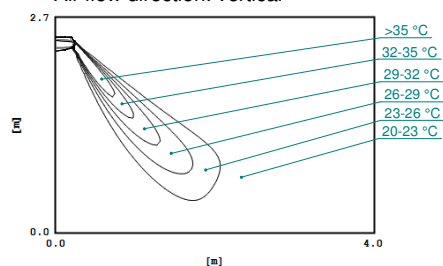
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



3D138872

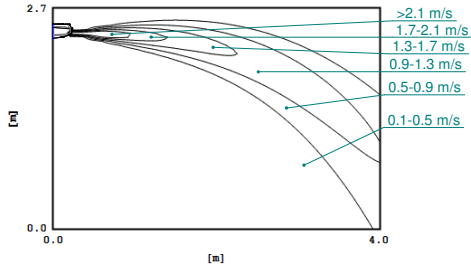
11 Air flow patterns

11 - 1 Air flow pattern - Cooling and Heating

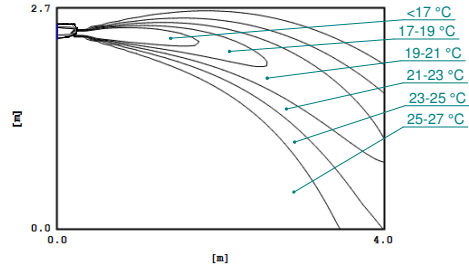
11

FXHA63A

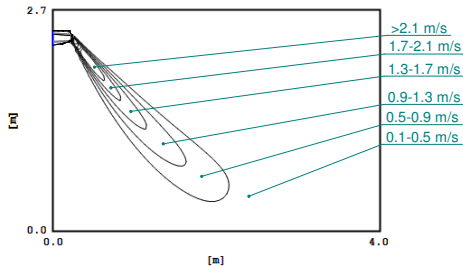
Air velocity distribution (cooling)
Air flow direction: horizontal



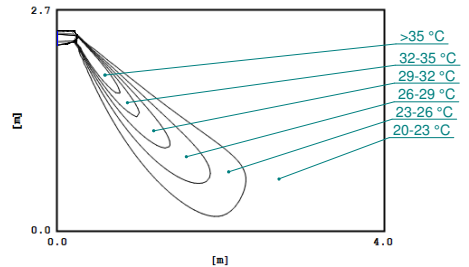
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



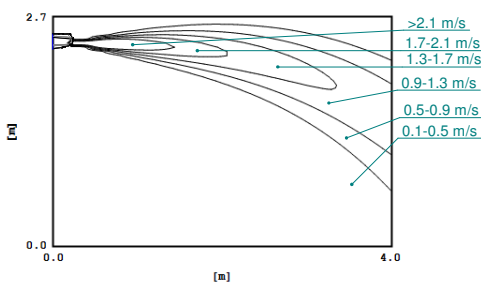
Air temperature distribution (heating)
Air flow direction: vertical



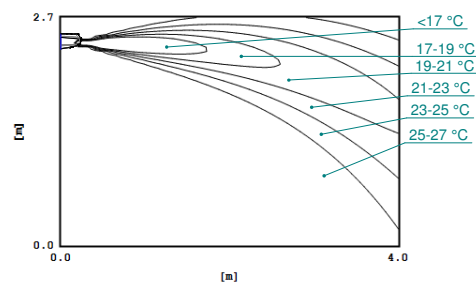
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FXHA100A

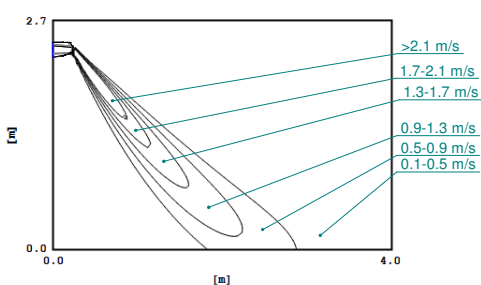
Air velocity distribution (cooling)
Air flow direction: horizontal



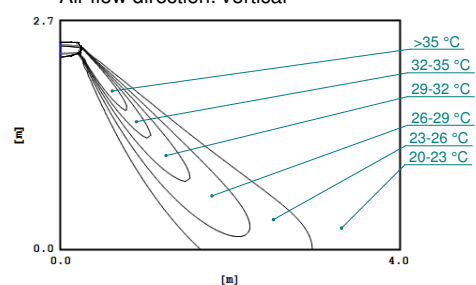
Air temperature distribution (cooling)
Air flow direction: horizontal



Air velocity distribution (heating)
Air flow direction: vertical



Air temperature distribution (heating)
Air flow direction: vertical



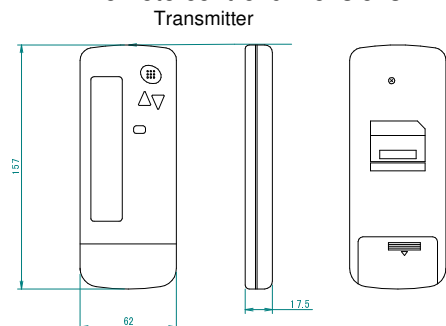
3D138874

12 Installation

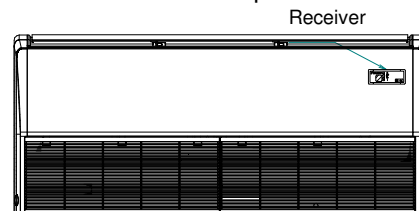
12 - 1 Installation Method

FXHA-A

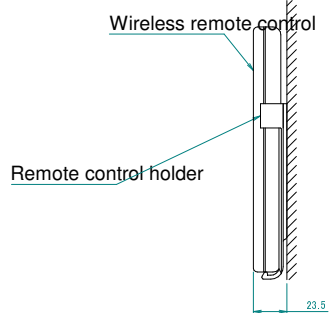
Remote control dimensions



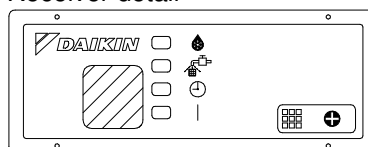
Receiver installation procedure



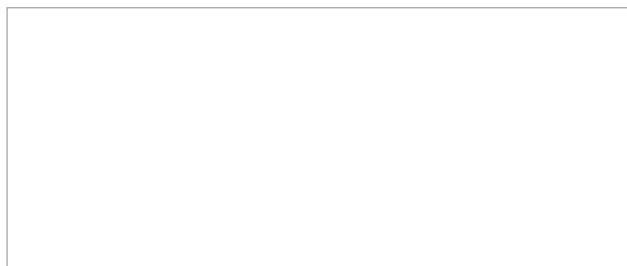
Installation to wall surface



Receiver detail



3D109659



EEDEN26

04/2026



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