

Round flow cassette Air Conditioning Technical Data FXFA-A



FXFA20A2VEB
FXFA25A2VEB
FXFA32A2VEB
FXFA40A2VEB
FXFA50A2VEB
FXFA63A2VEB
FXFA80A2VEB
FXFA100A2VEB
FXFA125A2VEB

TABLE OF CONTENTS

FXFA-A

1	Features	4
	FXFA-A	4
2	Specifications	5
3	Electrical data	10
4	Safety device settings	11
5	Options	12
6	Capacity tables	13
	Cooling Capacity Tables	13
	Heating Capacity Tables	14
7	Dimensional drawings	15
	Dimensional Drawings with Accessories	17
	Dimensional Drawings with Fresh Air Intake	18
8	Centre of gravity	19
9	Piping diagrams	20
10	Wiring diagrams	21
	Wiring Diagrams - Single Phase	21
11	Sound data	22
	Sound Power Spectrum	22
	Sound Pressure Spectrum	25
12	Air flow patterns	30
	Air flow pattern - Cooling and Heating	30

1 Features

1 - 1 FXFA-A

360° air discharge for optimum efficiency and comfort

1

- › Optimised design for R-32 refrigerant
- › Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- › Two optional intelligent sensors improve energy efficiency and comfort
- › Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- › Bigger flaps and unique swing pattern improve equal air distribution
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Optional fresh air intake
- › Standard drain pump with 675mm lift increases flexibility and installation speed



Auto-cleaning
filter
(optional)



Onecta app
(optional)



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
(5 steps +
auto)



Dry
programme



Air filter
(pre filter)



Weekly timer



Infrared
remote control
(optional
- must be
combined
with Madoka
wired remote
controller)



Wired remote
control
(required
option)



Centralised
control
(optional)



Auto-restart



Self diagnosis



Multi tenant



Drain pump
kit
(standard)

2 Specifications

1 - 1 FXFA-A

Technical specifications				FXFA20A	FXFA25A	FXFA32A	FXFA40A	FXFA50A		
Cooling capacity	Sensible capacity	At high fan speed	kW	1.50	2.00	2.50	3.10	3.80		
		At medium high fan speed	kW	1.40	1.80	2.40	2.90	3.50		
		At medium fan speed	kW	1.30	1.70	2.10	2.60	3.10		
		At medium low fan speed	kW	1.20	1.50	1.90	2.50	2.90		
		At low fan speed	kW	1.10	1.40	1.80	2.20	2.60		
	Latent capacity	At high fan speed	kW	0.70	0.80	1.10	1.40	1.80		
		At medium high fan speed	kW	0.70	0.80	1.00	1.30	1.70		
		At medium fan speed	kW	0.60	0.80	1.00	1.30	1.60		
		At medium low fan speed	kW	0.60	0.80	1.00	1.20	1.50		
		At low fan speed	kW	0.60	0.80	0.90	1.20	1.40		
	Total capacity	At high fan speed	kW	2.20	2.80	3.60	4.50	5.60		
		At medium high fan speed	kW	2.10	2.60	3.40	4.20	5.20		
		At medium fan speed	kW	1.90	2.50	3.10	3.90	4.70		
		At medium low fan speed	kW	1.80	2.30	2.90	3.70	4.40		
		At low fan speed	kW	1.70	2.20	2.70	3.40	4.00		
Heating capacity	Total capacity	At high fan speed	kW	2.50	3.20	4.00	5.00	6.30		
		At medium high fan speed	kW	2.30	2.90	3.70	4.60	5.80		
		At medium fan speed	kW	2.10	2.70	3.40	4.20	5.10		
		At medium low fan speed	kW	1.90	2.50	3.10	3.90	4.90		
		At low fan speed	kW	1.80	2.30	2.90	3.60	4.10		
Power input - 50Hz	Cooling	At high fan speed	kW	0.017 (1)			0.018 (1)	0.023 (1)		
		At medium high fan speed	kW	0.015 (1)			0.016 (1)	0.020 (1)		
		At medium fan speed	kW	0.013 (1)			0.014 (1)	0.017 (1)		
		At medium low fan speed	kW	0.012 (1)			0.014 (1)			
		At low fan speed	kW	0.011 (1)			0.012 (1)			
	Heating	At high fan speed	kW	0.017 (1)			0.018 (1)	0.023 (1)		
		At medium high fan speed	kW	0.015 (1)			0.016 (1)	0.020 (1)		
		At medium fan speed	kW	0.013 (1)			0.014 (1)	0.017 (1)		
		At medium low fan speed	kW	0.012 (1)			0.014 (1)			
		At low fan speed	kW	0.011 (1)			0.012 (1)			
Power input - 60Hz	Cooling	At high fan speed	kW	0.017 (1)			0.018 (1)	0.023 (1)		
	Heating	At high fan speed	kW	0.017 (1)			0.018 (1)	0.023 (1)		
Dimensions	Unit	Height	mm	204						
		Width	mm	840						
		Depth	mm	840						
	Packed unit	Height	mm	220						
Dimensions	Packed unit	Width	mm	882						
		Depth	mm	882						
Weight	Unit		kg	18			19	21		
	Packed unit		kg	21			22	24		
Casing	Material			Galvanised steel plate						
Heat exchanger	Inside length		mm	2,134				2,090		
	Outside length		mm	2,181				2,184		
	Rows	Quantity		2				3		
	Fin pitch		mm	1.20						
	Passes	Quantity		4			6	12		
	Face area		m²	0.278			0.366	0.371		
	Stages	Quantity		9			12			
	Empty tubeplate hole	Quantity		0						
	Tube type			Ø5 HI-XA						
	Fin	Type		Cross fin coil (Multi slit fins and Ø5HI-XA tubes)						

2 Specifications

1 - 1 FXFA-A

2

Technical specifications				FXFA20A	FXFA25A	FXFA32A	FXFA40A	FXFA50A	
Fan	Type			Turbo fan					
	Quantity			1					
Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	12.8			14.8	15.1	
		At medium high fan speed	m³/min	11.8			13.7	14.0	
		At medium fan speed	m³/min	10.7			12.6	12.8	
		At medium low fan speed	m³/min	9.8			11.5	11.8	
		At low fan speed	m³/min	8.9			10.4	10.7	
		Heating	At high fan speed	m³/min	12.8			14.8	15.1
			At medium high fan speed	m³/min	11.8			13.7	14.0
			At medium fan speed	m³/min	10.7			12.6	12.8
			At medium low fan speed	m³/min	9.8			11.5	11.8
			At low fan speed	m³/min	8.9			10.4	10.7
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	452			523	533
			At medium high fan speed	cfm	417			484	494
			At medium low fan speed	cfm	346			406	417
			At medium fan speed	cfm	378			445	452
			At low fan speed	cfm	314			367	378
		Heating	At high fan speed	cfm	452			523	533
			At medium high fan speed	cfm	417			484	494
			At medium fan speed	cfm	378			445	452
			At medium low fan speed	cfm	346			406	417
			At low fan speed	cfm	314			367	378
Sound power level	Cooling	At high fan speed	dB(A)	49.0			51.0		
Sound pressure level	Cooling	At high fan speed	dB(A)	31.0			33.0		
		At medium high fan speed	dB(A)	30.0			32.0		
		At medium fan speed	dB(A)	29.0			31.0		
		At medium low fan speed	dB(A)	29.5			30.0		
		At low fan speed	dB(A)	28.0			29.0		
		Heating	At high fan speed	dB(A)	31.0			33.0	
	At medium high fan speed		dB(A)	30.0			32.0		
	At medium fan speed		dB(A)	29.0			31.0		
	At medium low fan speed		dB(A)	29.5			30.0		
	At low fan speed		dB(A)	28.0			29.0		
	Fan motor		Quantity	1					
	Speed	Steps	5						
Refrigerant	Type	R-32							
	GWP	675.0							
Piping connections	Liquid	Type	Flare connection						
		OD	mm	6					
	Gas	Type	Flare connection						
		OD	mm	9.52			12.70		
	Drain	VP25 (O.D. 32 / I.D. 25)							
	Heat insulation	Foamed polystyrene / Foamed polyethylene							
Sound absorbing insulation	Foamed polyurethane								
Decoration panel	Model	BYCQ140E2W1 / BYCQ140E2W1W / BYCQ140E2W1B							
	Dimensions	Height	mm	65					
		Width	mm	950					
		Depth	mm	950					
	Weight	kg			5.5				
Decoration panel 2	Model	BYCQ140E2GFW1 / BYCQ140E2GFW1B							
	Dimensions	Height	mm	148					
		Width	mm	950					
		Depth	mm	950					
	Weight	kg			10.3				
Decoration panel 3	Model	BYCQ140E2P / BYCQ140E2PB							
	Dimensions	Height	mm	106					
		Width	mm	950					
		Depth	mm	950					
	Weight	kg			6.5				
Air filter	Type	Resin net							

2 Specifications

1 - 1 FXFA-A

Technical specifications				FXFA20A	FXFA25A	FXFA32A	FXFA40A	FXFA50A	
Safety devices	Item	01		PC board fuse					
		02		Fan motor overcurrent protector					
Control systems	Infrared remote control			BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB					
	Wired remote control			BRC1H52W/S/K					
Technical specifications				FXFA63A	FXFA80A	FXFA100A	FXFA125A		
Cooling capacity	Sensible capacity	At high fan speed	kW	4.80	6.10	7.70	9.70		
		At medium high fan speed	kW	4.30	5.50	6.80	8.50		
		At medium fan speed	kW	3.80	5.00	5.80	7.70		
		At medium low fan speed	kW	3.50	4.20	4.90	6.90		
		At low fan speed	kW	3.10	3.60	3.80	6.00		
	Latent capacity	At high fan speed	kW	2.30	2.90	3.50	4.30		
		At medium high fan speed	kW	2.10	2.70	3.20	3.90		
		At medium fan speed	kW	2.00	2.50	2.90	3.70		
		At medium low fan speed	kW	1.80	2.20	2.40	3.40		
		At low fan speed	kW	1.60	1.80	2.00	3.00		
	Total capacity	At high fan speed	kW	7.10	9.00	11.20	14.00		
		At medium high fan speed	kW	6.40	8.20	10.00	12.40		
		At medium fan speed	kW	5.80	7.50	8.70	11.40		
		At medium low fan speed	kW	5.30	6.40	7.30	10.30		
		At low fan speed	kW	4.70	5.40	5.80	9.00		
Heating capacity	Total capacity	At high fan speed	kW	8.00	10.00	12.50	16.00		
		At medium high fan speed	kW	7.10	9.10	10.90	14.10		
		At medium fan speed	kW	6.30	8.30	9.30	12.80		
		At medium low fan speed	kW	5.80	7.10	7.70	11.30		
		At low fan speed	kW	5.00	5.90	6.00	9.80		
Power input - 50Hz	Cooling	At high fan speed	kW	0.028 (1)	0.045 (1)	0.078 (1)	0.103 (1)		
		At medium high fan speed	kW	0.022 (1)	0.036 (1)	0.054 (1)	0.081 (1)		
		At medium fan speed	kW	0.018 (1)	0.028 (1)	0.036 (1)	0.062 (1)		
		At medium low fan speed	kW	0.015 (1)	0.020 (1)	0.022 (1)	0.045 (1)		
		At low fan speed	kW	0.012 (1)	0.015 (1)		0.031 (1)		
	Heating	At high fan speed	kW	0.028 (1)	0.045 (1)	0.078 (1)	0.103 (1)		
		At medium high fan speed	kW	0.022 (1)	0.036 (1)	0.054 (1)	0.081 (1)		
		At medium fan speed	kW	0.018 (1)	0.028 (1)	0.036 (1)	0.062 (1)		
		At medium low fan speed	kW	0.015 (1)	0.020 (1)	0.022 (1)	0.045 (1)		
		At low fan speed	kW	0.012 (1)	0.015 (1)		0.031 (1)		
		Power input - 60Hz	Cooling	At high fan speed	kW	0.028 (1)	0.045 (1)	0.078 (1)	0.103 (1)
			Heating	At high fan speed	kW	0.028 (1)	0.045 (1)	0.078 (1)	0.103 (1)
Dimensions	Unit	Height	mm	204	246		288		
		Width	mm	840					
		Depth	mm	840					
	Packed unit	Height	mm	220	260		300		
Dimensions	Packed unit	Width	mm	882					
		Depth	mm	882					
Weight	Unit		kg	21	24		26		
	Packed unit		kg	24	27		29		
Casing	Material			Galvanised steel plate					
Heat exchanger	Inside length		mm	2,090					
	Outside length		mm	2,184					
	Rows	Quantity		3					
	Fin pitch		mm	1.20					
	Passes	Quantity		12	14		17		
	Face area		m²	0.371	0.464		0.556		
	Stages	Quantity		12	15		18		
	Empty tubeplate hole	Quantity		0					
	Tube type			Ø5 HI-XA					
	Fin	Type		Cross fin coil (Multi slit fins and Ø5HI-XA tubes)					

2 Specifications

1 - 1 FXFA-A

2

Technical specifications				FXFA63A	FXFA80A	FXFA100A	FXFA125A	
Fan	Type	Turbo fan						
	Quantity	1						
Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	16.6	23.3	28.8	33.0	
		At medium high fan speed	m³/min	15.0	21.7	25.1	30.2	
		At medium fan speed	m³/min	13.3	19.3	21.2	27.4	
		At medium low fan speed	m³/min	12.0	16.5	17.5	24.0	
		At low fan speed	m³/min	10.7	13.8		20.6	
	Heating	At high fan speed	m³/min	16.6	23.3	29.0	33.0	
		At medium high fan speed	m³/min	15.0	21.7	25.1	30.2	
		At medium fan speed	m³/min	13.3	19.3	21.2	27.4	
		At medium low fan speed	m³/min	12.0	16.5	17.5	24.0	
		At low fan speed	m³/min	10.7	13.8		20.6	
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	586	823	1,017	1,165
			At medium high fan speed	cfm	530	766	886	1,067
			At medium low fan speed	cfm	424	583	618	848
			At medium fan speed	cfm	470	682	749	968
			At low fan speed	cfm	378	487		727
		Heating	At high fan speed	cfm	586	823	1,024	1,165
At medium high fan speed			cfm	530	766	886	1,067	
At medium fan speed			cfm	470	682	749	968	
At medium low fan speed			cfm	424	583	618	848	
At low fan speed			cfm	378	487		727	
Sound power level	Cooling	At high fan speed	dB(A)	53.0	55.0	60.0	61.0	
Sound pressure level	Cooling	At high fan speed	dB(A)	35.0	38.0	43.0	45.0	
		At medium high fan speed	dB(A)	34.0	36.0	41.0	43.0	
		At medium fan speed	dB(A)	33.0	34.0	37.0	41.0	
		At medium low fan speed	dB(A)	32.0		34.0	39.0	
		At low fan speed	dB(A)	30.0			36.0	
	Heating	At high fan speed	dB(A)	35.0	38.0	43.0	45.0	
		At medium high fan speed	dB(A)	34.0	36.0	41.0	43.0	
		At medium fan speed	dB(A)	33.0	34.0	37.0	41.0	
		At medium low fan speed	dB(A)	32.0		34.0	39.0	
		At low fan speed	dB(A)	30.0			36.0	
Fan motor	Quantity	1						
	Speed	Steps	5					
Refrigerant	Type	R-32						
	GWP	675.0						
Piping connections	Liquid	Type	Flare connection					
		OD	mm	6	10			
	Gas	Type	Flare connection					
		OD	mm	12.70	15.90			
	Drain	VP25 (O.D. 32 / I.D. 25)						
	Heat insulation	Foamed polystyrene / Foamed polyethylene						
Sound absorbing insulation	Foamed polyurethane							
Decoration panel	Model	BYCQ140E2W1 / BYCQ140E2W1W / BYCQ140E2W1B						
	Dimensions	Height	mm	65				
		Width	mm	950				
		Depth	mm	950				
Weight	kg	5.5						
Decoration panel 2	Model	BYCQ140E2GFW1 / BYCQ140E2GFW1B						
	Dimensions	Height	mm	148				
		Width	mm	950				
		Depth	mm	950				
Weight	kg	10.3						
Decoration panel 3	Model	BYCQ140E2P / BYCQ140E2PB						
	Dimensions	Height	mm	106				
		Width	mm	950				
		Depth	mm	950				
Weight	kg	6.5						
Air filter	Type	Resin net						

2 Specifications

1 - 1 FXFA-A

Technical specifications			FXFA63A	FXFA80A	FXFA100A	FXFA125A
Safety devices	Item	01	PC board fuse			
		02	Fan motor overcurrent protector			
Control systems	Infrared remote control		BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB			
	Wired remote control		BRC1H52W/S/K			

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

Standard accessories: Drain hose;Quantity: 1;

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

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

Standard accessories: Screws;Quantity: 4;

Standard accessories: Installation guide;Quantity: 1;

Standard accessories: Insulation for fitting;Quantity: 2;

Standard accessories: Sealing pads;Quantity: 1;

Standard accessories: Wire clamp material;Quantity: 7;

Standard accessories: Clamps;Quantity: 1;

Electrical specifications			FXFA20A	FXFA25A	FXFA32A	FXFA40A	FXFA50A
Power supply	Phase		1~				
	Frequency	Hz	50/60				
	Voltage	V	220-240/220				
Current - 50Hz	Minimum circuit amps (MCA)	A	0.3				0.4
	Maximum fuse amps (MFA)	A	6				
	Full load amps (FLA) Total	A	0.2				0.3
Current - 60Hz	Minimum circuit amps (MCA)	A	0.3				0.4
	Maximum fuse amps (MFA)	A	6				
	Full load amps (FLA) Total	A	0.2				0.3

Electrical specifications			FXFA63A	FXFA80A	FXFA100A	FXFA125A
Power supply	Phase		1~			
	Frequency	Hz	50/60			
	Voltage	V	220-240/220			
Current - 50Hz	Minimum circuit amps (MCA)	A	0.4	0.6	0.8	1.3
	Maximum fuse amps (MFA)	A	6			
	Full load amps (FLA) Total	A	0.3	0.5	0.7	1.2
Current - 60Hz	Minimum circuit amps (MCA)	A	0.4	0.6	0.8	1.3
	Maximum fuse amps (MFA)	A	6			
	Full load amps (FLA) Total	A	0.3	0.5	0.7	1.2

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

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB |

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

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

Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits. |

Maximum allowable voltage range variation between phases is 2%. |

MCA/MFA: MCA = 1.1 x FLA |

Instead of a fuse, use a circuit breaker |

Select wire size based on the value of MCA |

BYCQI40E2WI: pure white standard panel with grey louvers; BYCQI40E2WIW: pure white standard panel with white louvers; BYCQI40E2WIB: black standard panel with black louvers. |

The BYCQI40E2WIW has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQI40E2WIW decoration panel in environments exposed to concentrations of dirt. |

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXFA-A

3

Model name	Power supply					IFM	Power input [W]		Notes	
Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	FLA	Cooling	Heating		
FXFA20A2VEB	50	220-240	Minimum · 50-Hz · 198-V	0,3	6	0,2	38	38	Voltage range 1) 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) Use a circuit breaker instead of a fuse. 3) Select the wire size according to the MCA. 4) The maximum allowable voltage that is unbalanced between phases is -2-%. 5) MCA = 1.1 × FLA	
FXFA25A2VEB		220-240		0,3	6	0,2	38	38		
FXFA32A2VEB		220-240		0,3	6	0,2	38	38		
FXFA40A2VEB		220-240		0,3	6	0,2	38	38		
FXFA50A2VEB		220-240		0,4	6	0,3	53	53		
FXFA63A2VEB		220-240	Maximum · 50-Hz · 264-V	0,4	6	0,3	61	61		
FXFA80A2VEB		220-240		0,6	6	0,5	92	92		
FXFA100A2VEB		220-240		0,8	6	0,7	115	115		
FXFA125A2VEB		220-240		1,3	6	1,2	186	186		
FXFA20A2VEB	60	220	Minimum · 50-Hz · 198-V	0,3	6	0,2	38	38		Symbols MCA: Minimum Circuit Ampere [A] MFA: Maximum Fuse Ampere [A] IFM: Indoor fan motor FLA: Full Load Ampere [A]
FXFA25A2VEB		220		0,3	6	0,2	38	38		
FXFA32A2VEB		220		0,3	6	0,2	38	38		
FXFA40A2VEB		220		0,3	6	0,2	38	38		
FXFA50A2VEB		220		0,4	6	0,3	53	53		
FXFA63A2VEB		220	Maximum · 60-Hz · 242-V	0,4	6	0,3	61	61		
FXFA80A2VEB		220		0,6	6	0,5	92	92		
FXFA100A2VEB		220		0,8	6	0,7	115	115		
FXFA125A2VEB		220		1,3	6	1,2	186	186		

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4 Safety device settings

4 - 1 Safety Device Settings

FXFA-A

4

Safety devices		FXFQ20-63BVEB FXFA20-63A2VEB	FXFQ80-125BVEB FXFA80-125A2VEB FXFN50-112A2VEB
PCB fuse		250V, 3.15A	250V, 3.15A
Fan motor overcurrent protection	Nominal	0.92A	1.49A
Fan motor thermal protector	Maximum	---	---
Drain pump fuse		---	---

4D121692B

5 Options

5 - 1 Options

FXFA-A

Option kit		Product name	Availability FXFA20 - 125A2VEB
Decoration panel	Standard	BYCQ140E2W1	✓
	White	BYCQ140E2W1W ②	✓
	Black	BYCQ140E2W1B	✓
Designer decoration panel		BYCQ140E2P	✓
Designer decoration panel		BYCQ140E2PB	✓
Self-cleaning decoration panel (with fine filter)		BYCQ140E2GFW1 ③④⑤	✓
Self-cleaning decoration panel (with fine filter)		BYCQ140E2GFW1B ③④⑤	✓
Long-life replacement filter		KAF551D160	✓
Chamber [part of fresh air intake kit (-20% fresh air)]		KDDP55C160-1 ⑥⑦	✓
Diffuser from chamber to duct [part of fresh air intake kit (-20% fresh air)]		KDDP55D160-2 ⑥⑦	✓
Air discharge outlet sealing member		KDBHQ56B140 ⑥	✓
Sensor kit		BRVQ140B8 ⑧	✓
Sensor kit		BRVQ140B8B ⑨	✓
Sensor kit (for designer decoration panel)		BRVQ140C8 ⑩	✓
Sensor kit (for designer decoration panel)		BRVQ140C8B ⑩	✓
Wireless remote control		BRC7FA532F ⑥⑩⑪⑫⑬⑭⑮⑯	✓
Wireless remote control		BRC7FA532FB ⑥⑩⑪⑫⑬⑭⑮⑯	✓
Wireless remote control (for designer decoration panel)		BRC7FB532F ⑥⑫⑬⑭⑮⑯	✓
Wireless remote control (for designer decoration panel)		BRC7FB532FB ⑥⑫⑬⑭⑮⑯	✓
Wired remote control		BRC1H52W/S/K	✓
Wiring adaptor for electrical appendices -1-		KRP1BA58 ⑥⑬	✓
Wiring adaptor for electrical appendices -2-		KRP4A53 ⑥⑬	✓
Wiring adaptor (hour meter)		EKRP1C12 ⑥⑬	✓
Remote sensor		KRC501-7B	✓
Installation box for adaptor PCB		KRP1H98A ⑥	✓
Installation box for adaptor PCB		KRP1BC101	✓
Central remote control		DCS302C51	✓
Unified ON/OFF controller		DCS301B51	✓
Electrical box with earth terminal (-2- blocks)		KJB212AA	✓
Electrical box with earth terminal (-3- blocks)		KJB311AA	✓
Schedule timer		DST301BA51	✓
iTouch Controller		DCS601C51	✓
Digital input adaptor		BRP7A53 ⑬⑭	✓
Intelligent Touch Manager		DCM601A51	✓
Intelligent Tablet Controller		DCS601A51	✓
Optional output PCB		ERP01A51 ⑫	✓
Wire harness for external wireless temperature sensor		EKEWTSC-2 ⑮	✓
WLAN adaptor for smartphones		BRP069C51 ⑭	✓
PCB for multi-tenant indoor units		DTA114A61 ⑫⑯	✓

Notes

- ① All options are kits
- ② This option has white insulation.
Be aware that dirt formation is more easily visible on white insulation.
It is recommended not to install this option in environments with a high concentration of dirt.
- ③ To be able to control option -BYCQ140E2GFW1 / BYCQ140E2GFW1B-, controller -BRC1H52- is
- ④ This option cannot be used with multi, and non-inverter split outdoor units.
- ⑤ This option is suitable for all applications, except for use in environments that are greasy, or have high
- ⑥ This option cannot be combined with -BYCQ140E2GFW1 / BYCQ140E2GFW1B-.
- ⑦ Both parts of the fresh air intake kit are required for each unit.
- ⑧ Only possible in combination with -BYCQ140E2W1 / BYCQ140E2W1W / BYCQ140E2GFW1-
- ⑨ Only possible in combination with -BYCQ140E2W1B / BYCQ140E2GFW1B-
- ⑩ Only possible in combination with -BYCQ140E2W1 / BYCQ140E2W1W-
- ⑪ Only possible in combination with -BYCQ140E2W1B-
- ⑫ Requires installation box for adaptor PCB -KRP1BC101
- ⑬ Requires installation box for adaptor PCB -KRP1H98A-
- ⑭ Only possible in combination with remote control -BRC1H52-
- ⑮ Only possible in combination with -BYCQ140E2P-
- ⑯ Only possible in combination with -BYCQ140E2PB-
- ⑰ The active airflow circulation function is not available for this controller.
- ⑱ -EKEWTSC-2- 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.
- ⑲ This option cannot be combined with -BYCQ140E2GFW1 / BYCQ140E2GFW1B-

3D128835F

6 Capacity tables

6 - 1 Cooling Capacity Tables

FXFA-A

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
20	H	1,3	1,1	1,6	1,3	2,0	1,5	2,2	1,5	2,4	1,6	2,8	1,7	3,2	1,8
	HM	Correction factor -0.94 × H-													
	M	Correction factor -0.89 × H-													
	ML	Correction factor -0.83 × H-													
	L	Correction factor -0.77 × H-													
25	H	1,6	1,6	2,1	1,7	2,6	1,9	2,8	2,0	3,0	2,0	3,6	2,1	4,1	2,1
	HM	Correction factor -0.94 × H-													
	M	Correction factor -0.89 × H-													
	ML	Correction factor -0.83 × H-													
	L	Correction factor -0.77 × H-													
32	H	2,1	1,8	2,7	2,1	3,3	2,5	3,6	2,5	3,9	2,6	4,6	2,8	5,3	2,9
	HM	Correction factor -0.95 × H-													
	M	Correction factor -0.89 × H-													
	ML	Correction factor -0.83 × H-													
	L	Correction factor -0.77 × H-													
40	H	2,6	2,1	3,3	2,6	4,1	3,0	4,5	3,1	4,9	3,2	5,8	3,4	6,7	3,6
	HM	Correction factor -0.94 × H-													
	M	Correction factor -0.88 × H-													
	ML	Correction factor -0.82 × H-													
	L	Correction factor -0.76 × H-													
50	H	3,1	2,6	4,1	3,1	5,1	3,6	5,6	3,8	6,2	3,9	7,3	4,2	8,5	4,5
	HM	Correction factor -0.93 × H-													
	M	Correction factor -0.87 × H-													
	ML	Correction factor -0.80 × H-													
	L	Correction factor -0.73 × H-													
63	H	4,0	3,3	5,2	3,9	6,4	4,6	7,1	4,8	7,8	5,0	9,2	5,4	10,8	5,7
	HM	Correction factor -0.91 × H-													
	M	Correction factor -0.83 × H-													
	ML	Correction factor -0.75 × H-													
	L	Correction factor -0.67 × H-													
80	H	5,1	4,2	6,6	5,0	8,2	5,8	9,0	6,1	9,9	6,3	11,7	6,8	13,6	7,3
	HM	Correction factor -0.91 × H-													
	M	Correction factor -0.82 × H-													
	ML	Correction factor -0.71 × H-													
	L	Correction factor -0.61 × H-													
100	H	6,1	5,3	8,2	6,4	10,2	7,4	11,2	7,7	12,2	8,0	14,4	8,6	16,7	9,1
	HM	Correction factor -0.89 × H-													
	M	Correction factor -0.78 × H-													
	ML	Correction factor -0.66 × H-													
	L	Correction factor -0.53 × H-													
125	H	8,0	6,7	10,3	8,0	12,7	9,3	14,0	9,7	15,3	10,0	18,0	10,7	20,9	11,4
	HM	Correction factor -0.89 × H-													
	M	Correction factor -0.83 × H-													
	ML	Correction factor -0.74 × H-													
	L	Correction factor -0.64 × H-													

Notes

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

3D129252

6 Capacity tables

6 - 2 Heating Capacity Tables

FXFA-A

6

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
20	H	2,9	2,7	2,5	2,4	2,3	2,1
	MH	Correction factor · 0.93 × H·					
	M	Correction factor · 0.86 × H·					
	ML	Correction factor · 0.79 × H·					
	L	Correction factor · 0.72 × H·					
25	H	3,7	3,5	3,2	3,1	2,9	2,7
	MH	Correction factor · 0.93 × H·					
	M	Correction factor · 0.86 × H·					
	ML	Correction factor · 0.79 × H·					
	L	Correction factor · 0.72 × H·					
32	H	4,7	4,3	4,0	3,8	3,7	3,3
	MH	Correction factor · 0.93 × H·					
	M	Correction factor · 0.86 × H·					
	ML	Correction factor · 0.79 × H·					
	L	Correction factor · 0.72 × H·					
40	H	5,8	5,4	5,0	4,8	4,6	4,2
	MH	Correction factor · 0.93 × H·					
	M	Correction factor · 0.87 × H·					
	ML	Correction factor · 0.80 × H·					
	L	Correction factor · 0.73 × H·					
50	H	7,4	6,8	6,3	6,0	5,8	5,3
	MH	Correction factor · 0.93 × H·					
	M	Correction factor · 0.86 × H·					
	ML	Correction factor · 0.79 × H·					
	L	Correction factor · 0.72 × H·					
63	H	9,4	8,7	8,0	7,7	7,3	6,7
	MH	Correction factor · 0.90 × H·					
	M	Correction factor · 0.81 × H·					
	ML	Correction factor · 0.73 × H·					
	L	Correction factor · 0.65 × H·					
80	H	11,7	10,8	10,0	9,6	9,2	8,3
	MH	Correction factor · 0.92 × H·					
	M	Correction factor · 0.83 × H·					
	ML	Correction factor · 0.72 × H·					
	L	Correction factor · 0.60 × H·					
100	H	14,6	13,5	12,5	12,0	11,5	10,4
	MH	Correction factor · 0.87 × H·					
	M	Correction factor · 0.75 × H·					
	ML	Correction factor · 0.62 × H·					
	L	Correction factor · 0.50 × H·					
125	H	18,7	17,3	16,0	15,3	14,7	13,4
	MH	Correction factor · 0.88 × H·					
	M	Correction factor · 0.81 × H·					
	ML	Correction factor · 0.71 × H·					
	L	Correction factor · 0.62 × H·					

Notes

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

3D129278

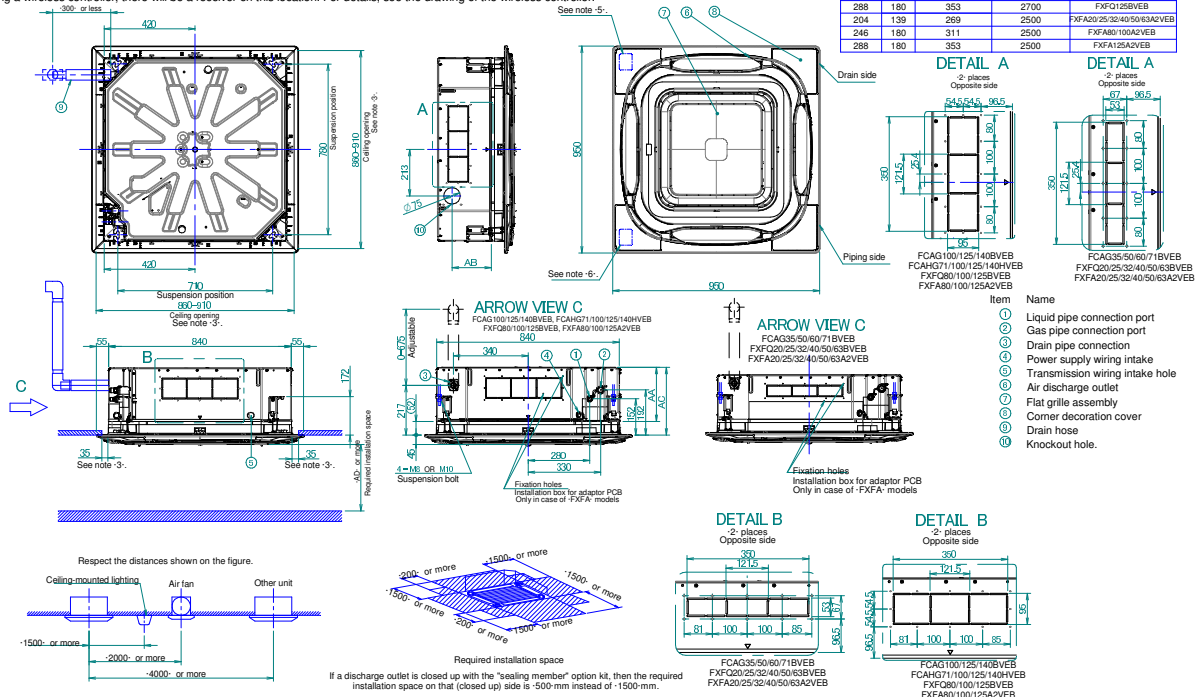
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXFA-A

Notes

- Location of nameplate
The unit nameplate is located on the control box cover.
- The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
- When installing optional accessories, refer to their respective documentation.
- Make sure the distance between the ceiling and the cassette does not exceed -35 mm.
The maximum ceiling opening is -910 mm.
- When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥10 mm).
- When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
- When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

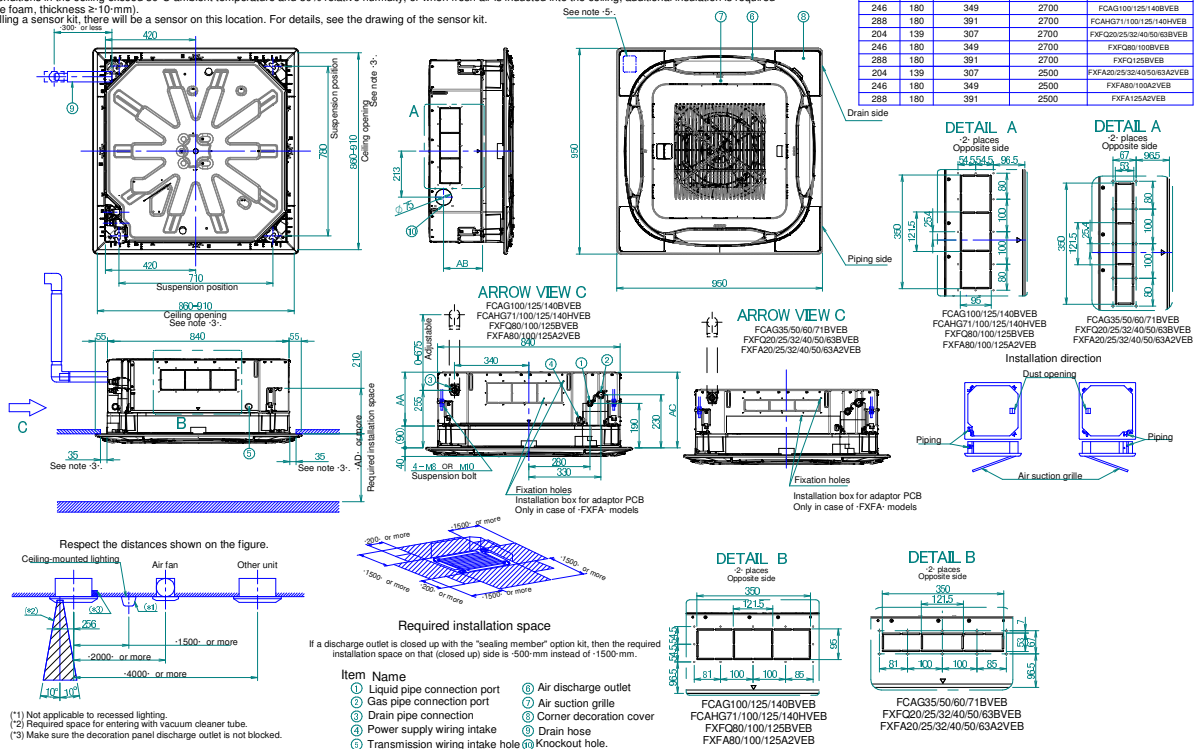


2D121703D

FXFA-A

Notes

- Location of nameplate
The unit nameplate is located on the control box cover.
- The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
- When installing optional accessories, refer to their respective documentation.
- Make sure the distance between the ceiling and the cassette does not exceed -35 mm.
The maximum ceiling opening is -910 mm.
- When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥10 mm).
- When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.



2D121658D

7 Dimensional drawings

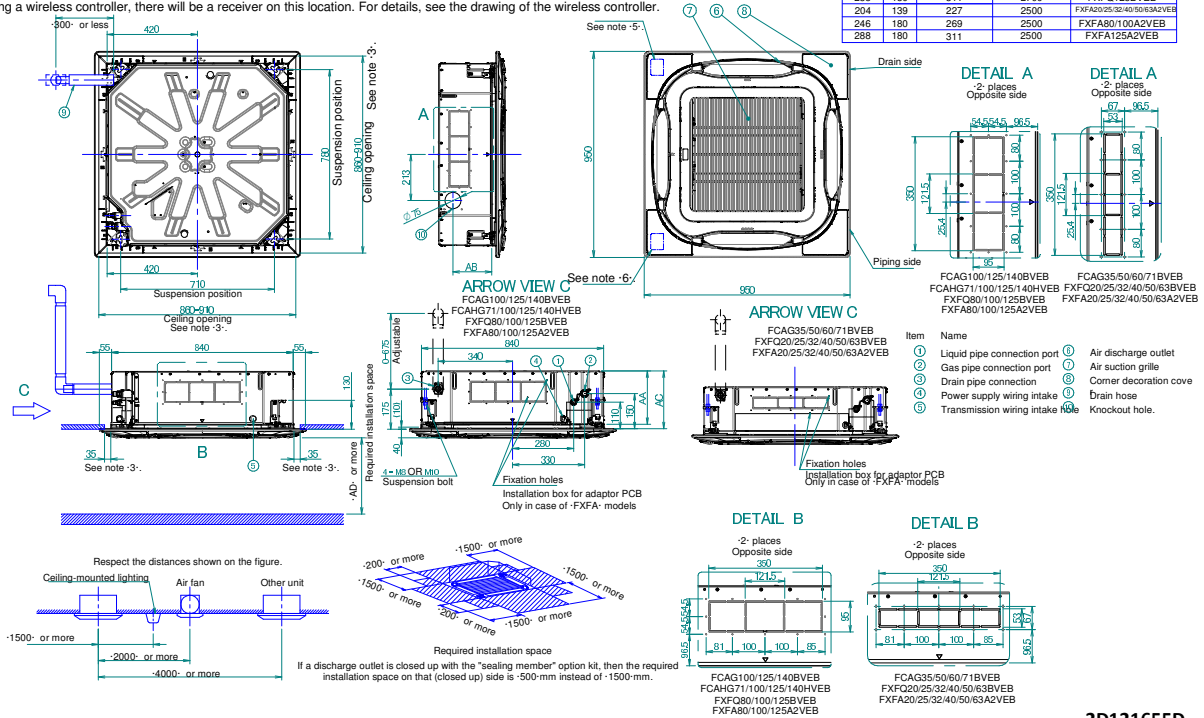
7 - 1 Dimensional Drawings

FXFA-A

Notes

1. Location of nameplate
The unit nameplate is located on the control box cover.
The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
2. When installing optional accessories, refer to their respective documentation.
3. Make sure the distance between the ceiling and the cassette does not exceed 35-mm.
The maximum ceiling opening is 910-mm.
4. When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥10-mm).
5. When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
6. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

Cassette height		Minimal installation height	Required installation space	Model
AA	AB	AD		
204	139	227	2700	FCAG35/50/60/71BVEB
246	180	269	2700	FCAG100/125/140BVEB
288	180	311	2700	FCAG71/100/125/140HVEB
204	139	227	2700	FXFG20/25/32/40/50/63BVEB
246	180	269	2700	FXFG80/100BVEB
288	180	311	2700	FXFG125BVEB
204	139	227	2500	FXFA20/25/32/40/50/63A2VEB
246	180	269	2500	FXFA80/100A2VEB
288	180	311	2500	FXFA125A2VEB



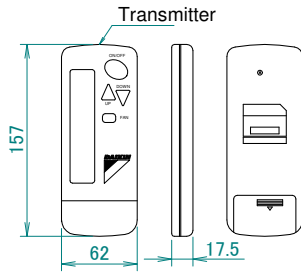
2D121655D

7 Dimensional drawings

7 - 2 Dimensional Drawings with Accessories

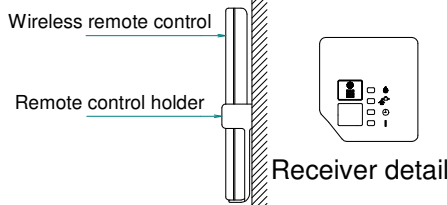
FXFA-A

Remote control dimensions

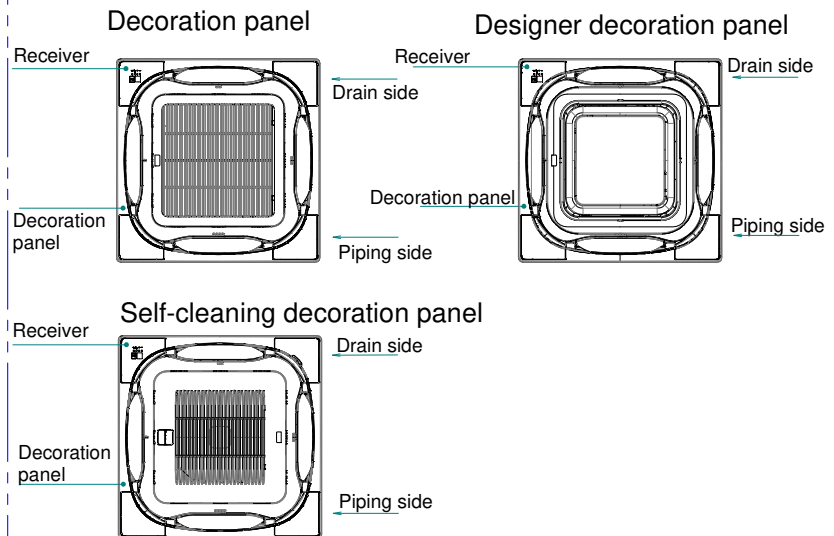


Remote control holder

Installation methods
Installation to wall surface



Installation methods

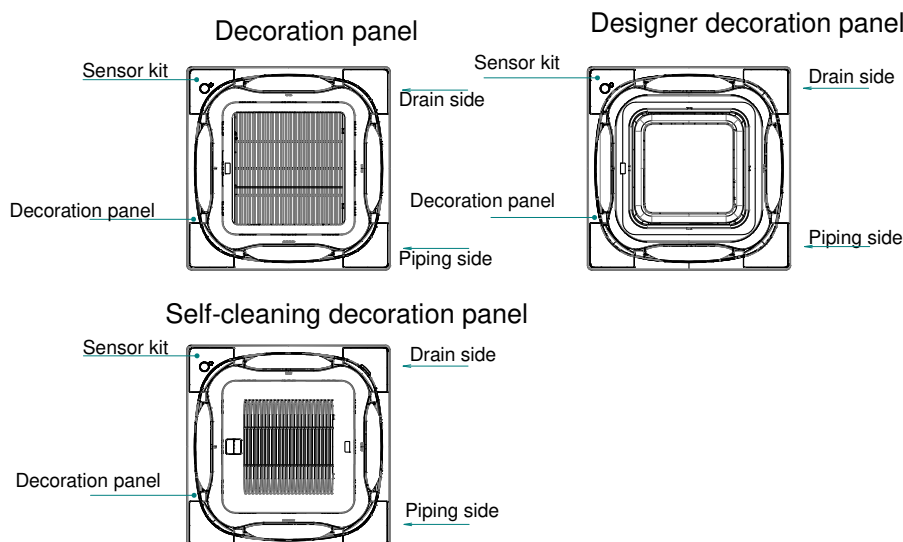


Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRC7FA532F
	BYCQ140E2W1B	BRC7FA532FB
Self-cleaning decoration panel	BYCQ140E2GFW1	BRC7FA532F
	BYCQ140E2GFW1B	BRC7FA532FB
Designer decoration panel	BYCQ140E2P	BRC7FB532F
	BYCQ140E2PB	BRC7FB532FB

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FXFA-A

Installation methods



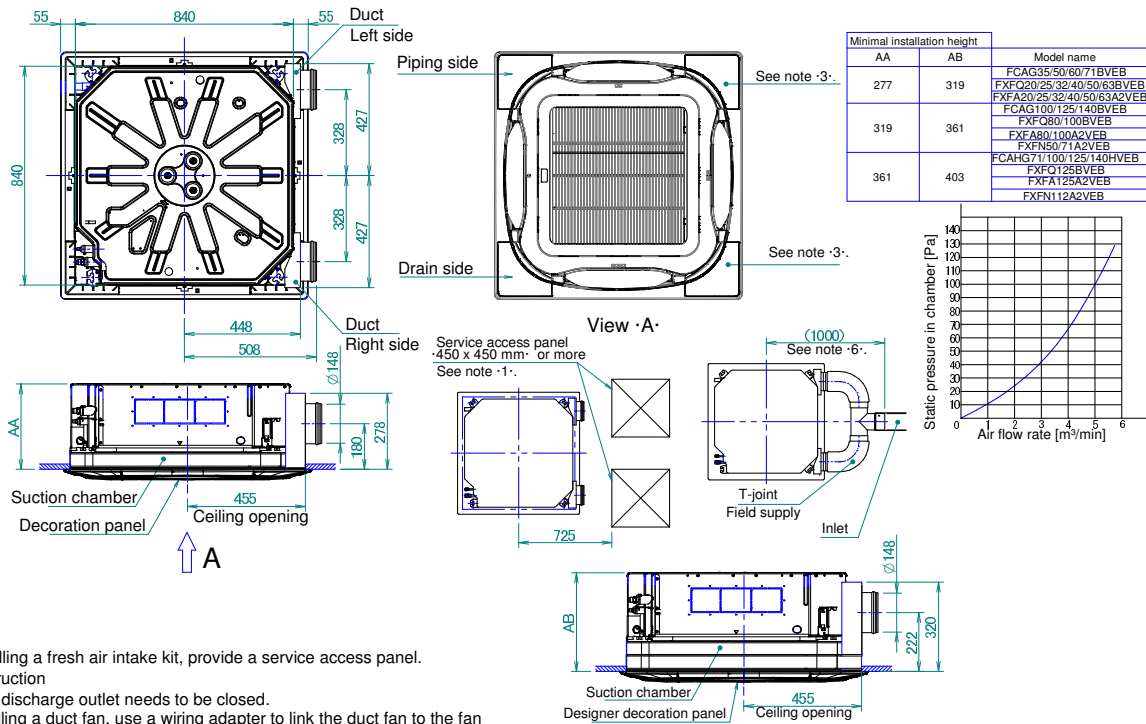
Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRYQ140B8
	BYCQ140E2W1B	BRYQ140B8B
Self-cleaning decoration panel	BYCQ140E2GFW1	BRYQ140B8
	BYCQ140E2GFW1B	BRYQ140B8B
Designer decoration panel	BYCQ140E2P	BRYQ140C8
	BYCQ140E2PB	BRYQ140C8B

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7 Dimensional drawings

7 - 3 Dimensional Drawings with Fresh Air Intake

FXFA-A



Notes

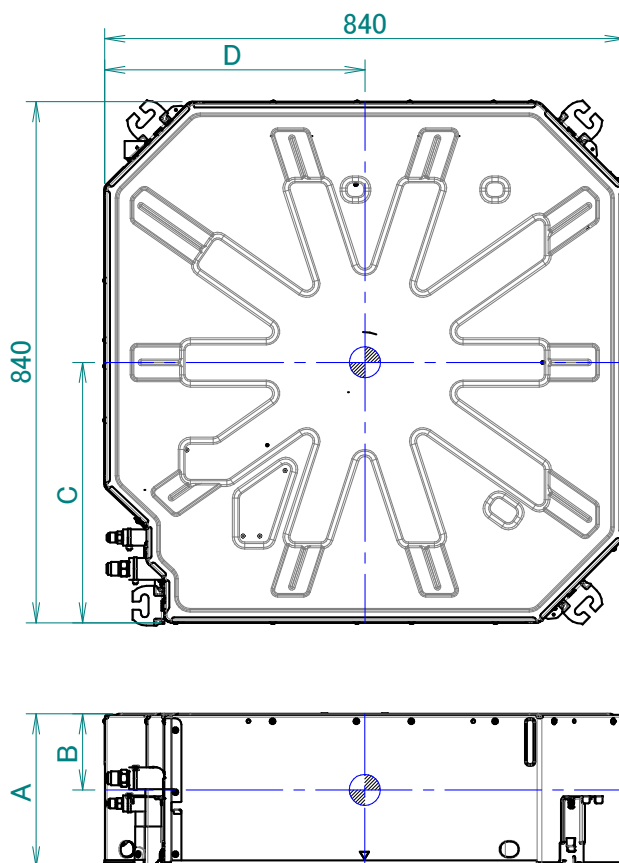
- When installing a fresh air intake kit, provide a service access panel.
- Field construction
- This corner discharge outlet needs to be closed.
- When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
- The intake air flow rate is recommended to be ≤20% of the air flow rate at high fan speed.
If the intake air flow rate is too large, the operating sound may increase, and the detection of the indoor unit suction temperature may be affected.
- This indicates the distance between the T-joint inlet and the indoor unit inlet when the T-tube is connected.

3D121741C

8 Centre of gravity

8 - 1 Centre of Gravity

FXFA-A



Model	A	B	C	D
FCAG35~71BVEB	204	70	400	405
FCAG100~140BVEB	246	100	400	405
FCAHG71~140HVEB	288	135	400	405
FXFQ20~63BVEB, FXFA20~63A2VEB	204	70	395	400
FXFQ80~100BVEB, FXFA80~100A2VEB	246	100	395	400
FXFQ125BVEB, FXFA125A2VEB	288	135	395	400
FXFN50~71A2VEB	246	113	408	412
FXFN112A2VEB	288	120	403	415

4D121659B

9 Piping diagrams

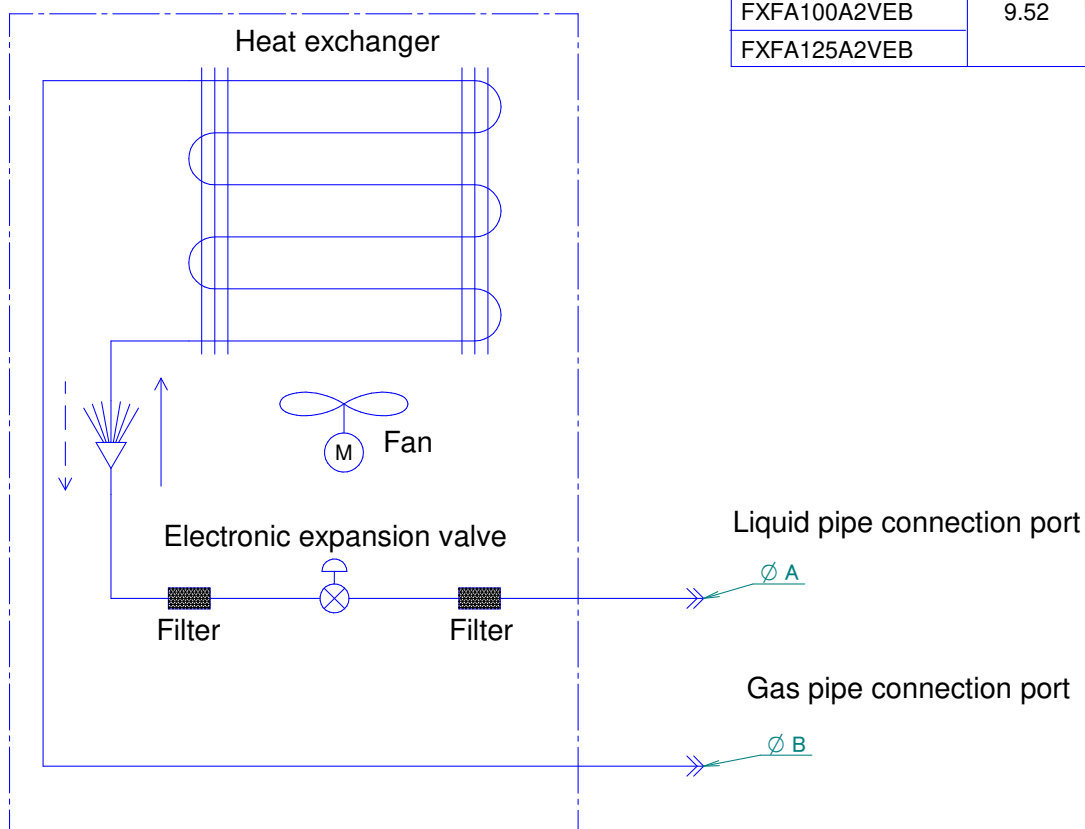
9 - 1 Piping Diagrams

FXFA-A

Refrigerant flow

Cooling ————>

Heating - - - ->

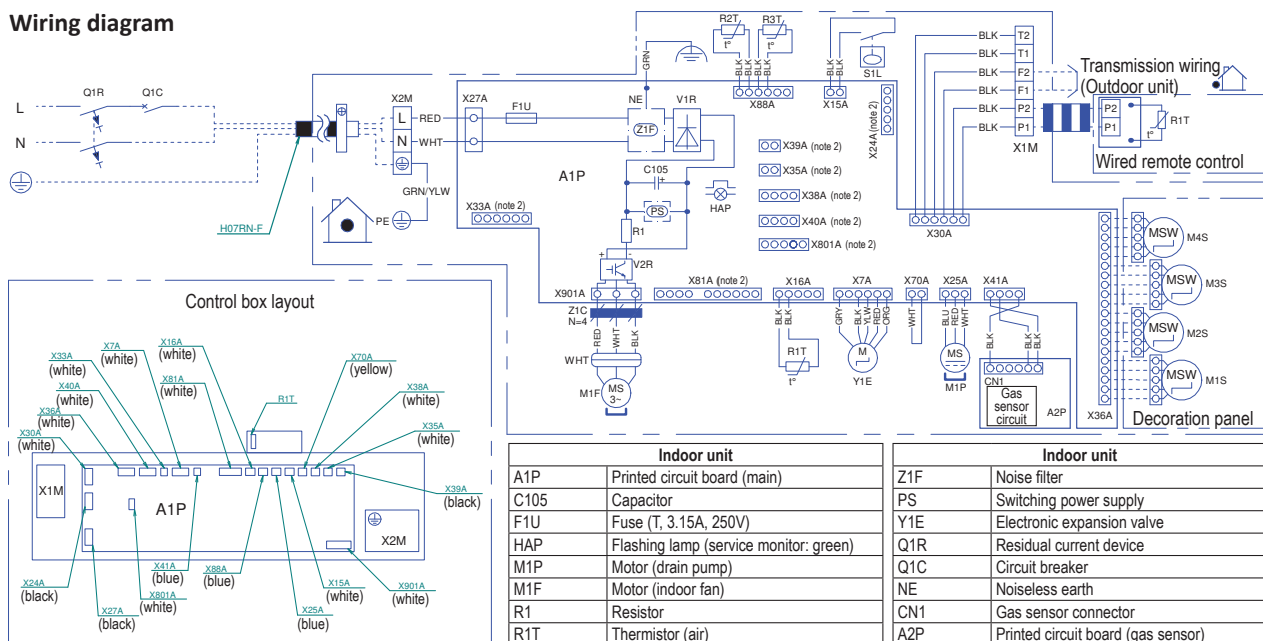


Model	A	B
FXFA20A2VEB	6.35	9.52
FXFA25A2VEB		
FXFA32A2VEB		12.7
FXFA40A2VEB		
FXFA50A2VEB		
FXFA63A2VEB	9.52	15.9
FXFA80A2VEB		
FXFA100A2VEB		
FXFA125A2VEB		

4D126209

10 - 1 Wiring Diagrams - Single Phase

Wiring diagram



NOTES

1. : terminal block, : connector, : field wiring
2. X24A, X33A, X35A, X38A, X39A, X40A, X81A, X801A are connected when optional accessories are being used, see wiring diagram of this accessory.

WIRE COLOURS

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

Indoor unit	
A1P	Printed circuit board (main)
C105	Capacitor
F1U	Fuse (T, 3.15A, 250V)
HAP	Flashing lamp (service monitor: green)
M1P	Motor (drain pump)
M1F	Motor (indoor fan)
R1	Resistor
R1T	Thermistor (air)
R2T, R3T	Thermistor (coil)
S1L	Float switch (drain pump)
V1R	Diode bridge
V2R	Igbt power module
X7A-X901A	Connector
X1M	Terminal block (remote controller)
X2M	Terminal block (power supply)
Z1C	Ferrite core

Indoor unit	
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 control	
R1T	Thermistor (air)
Decoration panel	
M1S-M4S	Motor (swing blade)

3D128222

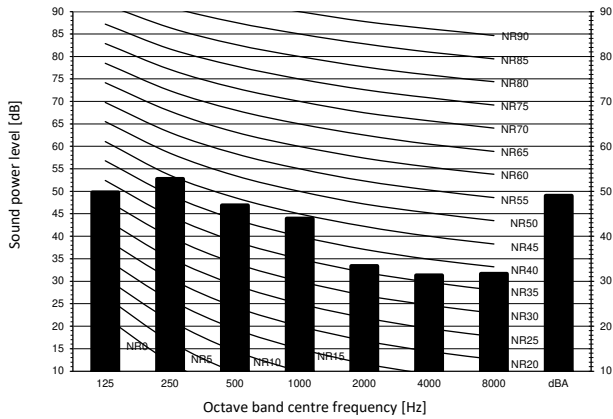
11 Sound data

11 - 1 Sound Power Spectrum

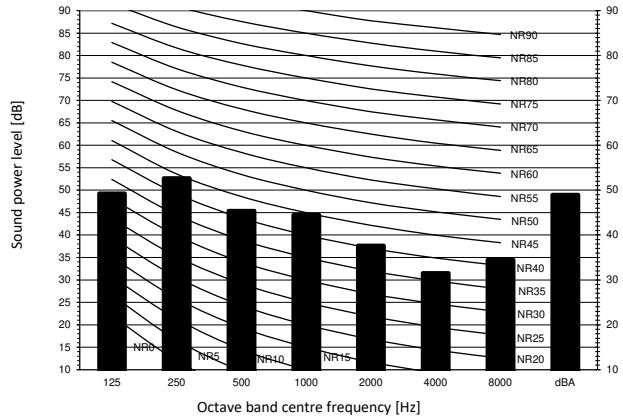
FXFA20-32A

11

Cooling mode



Heating mode



Notes

Fan speed

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

2. Reference acoustic power 0 dB = 10^{-6} W

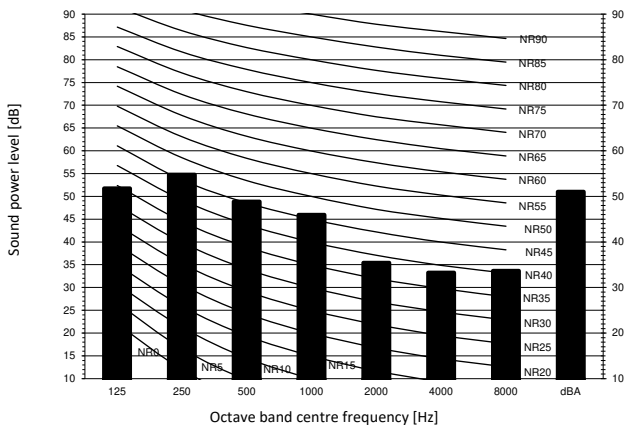
3. Measured according to ISO 3744

High

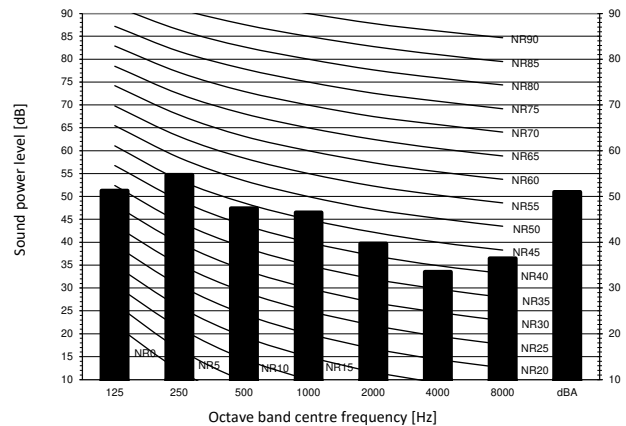
3D131809

FXFA40-50A

Cooling mode



Heating mode



Notes

Fan speed

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

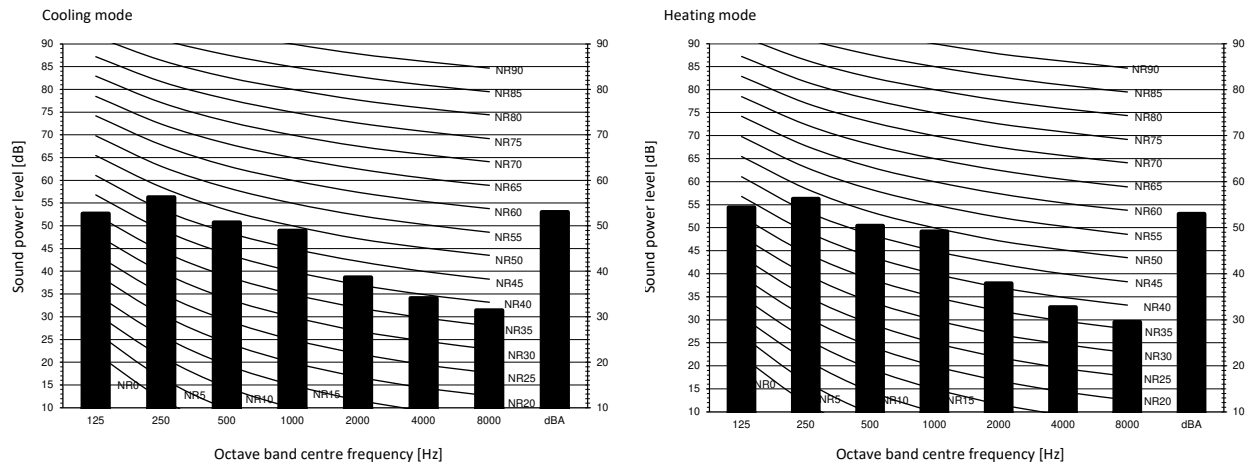
High

3D131810

11 Sound data

11 - 1 Sound Power Spectrum

FXFA63A



Notes

Fan speed

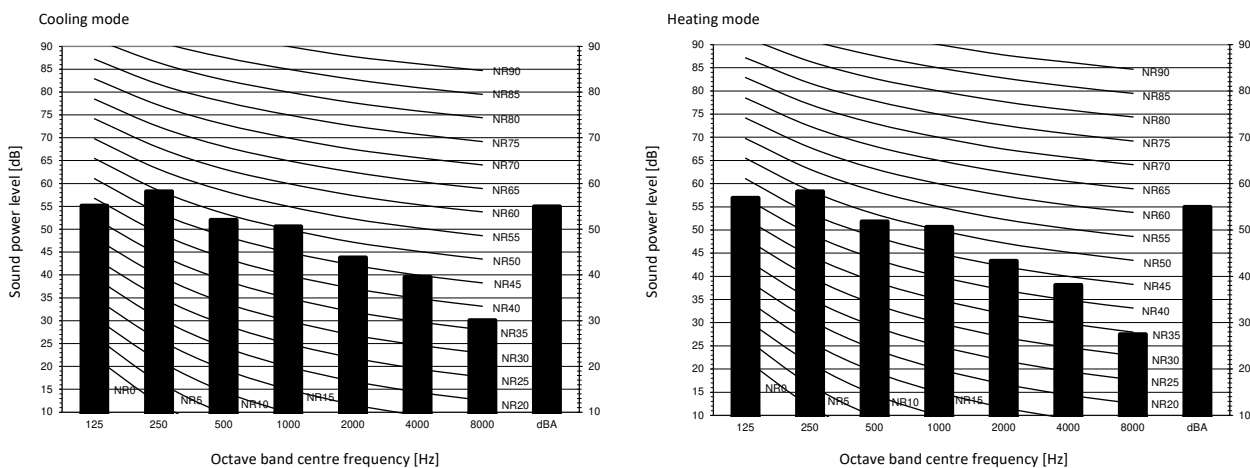


High

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

3D131811

FXFA80A



Notes

Fan speed



High

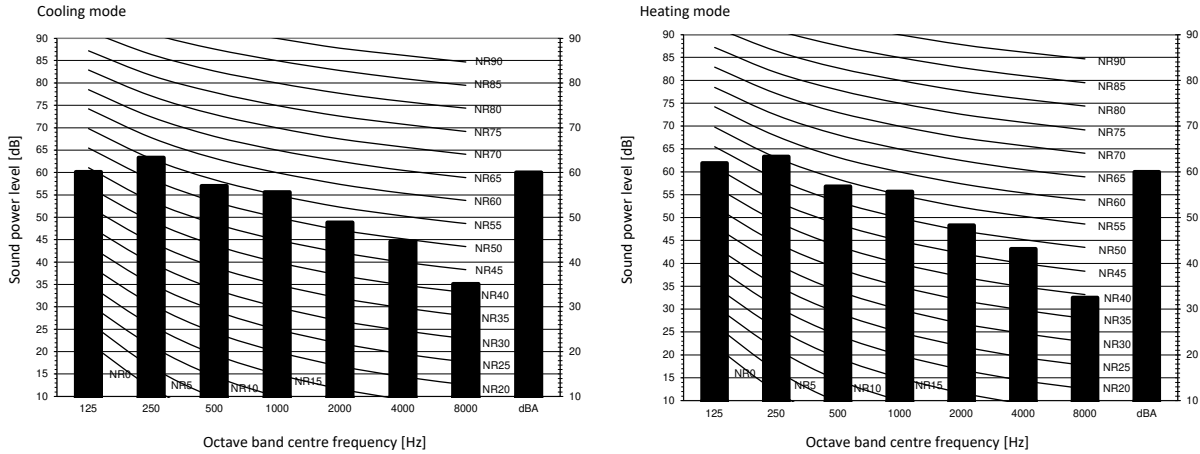
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = $-10E-6 \mu W$
3. Measured according to ISO 3744

3D131812

11 Sound data

11 - 1 Sound Power Spectrum

FXFA100A



Notes

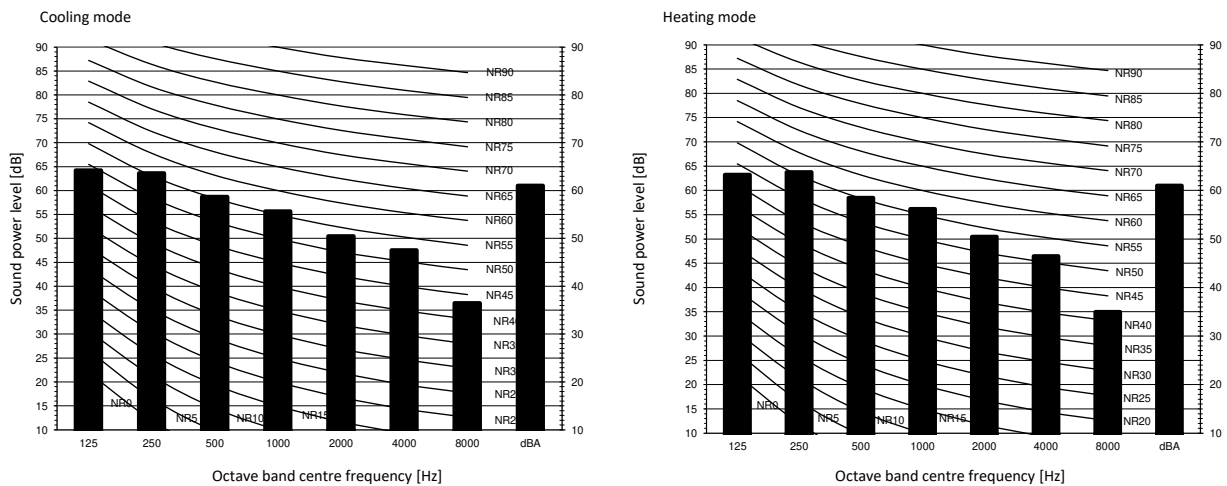
Fan speed



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

3D131813

FXFA125A



Notes

Fan speed



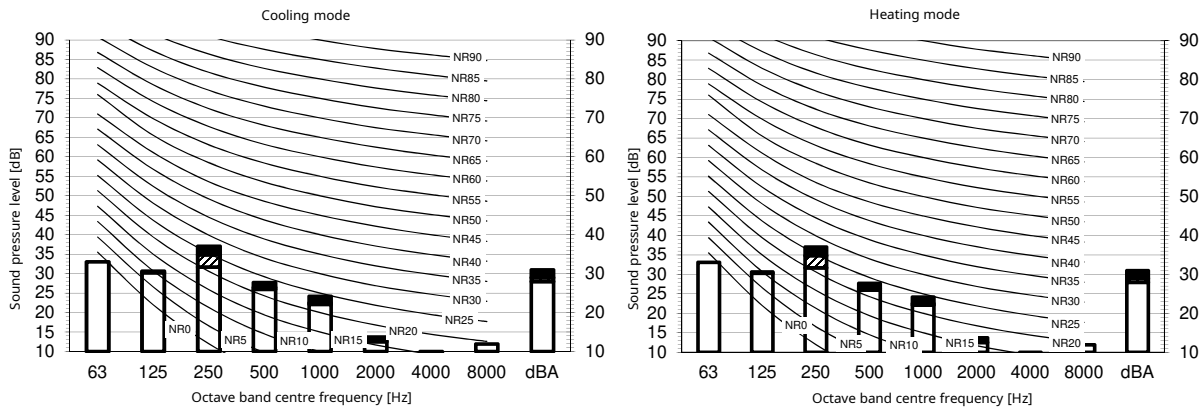
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = $-10E-6 \mu W$
3. Measured according to ISO 3744

3D131814

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA20A



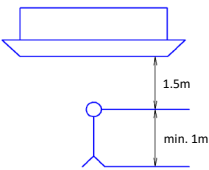
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



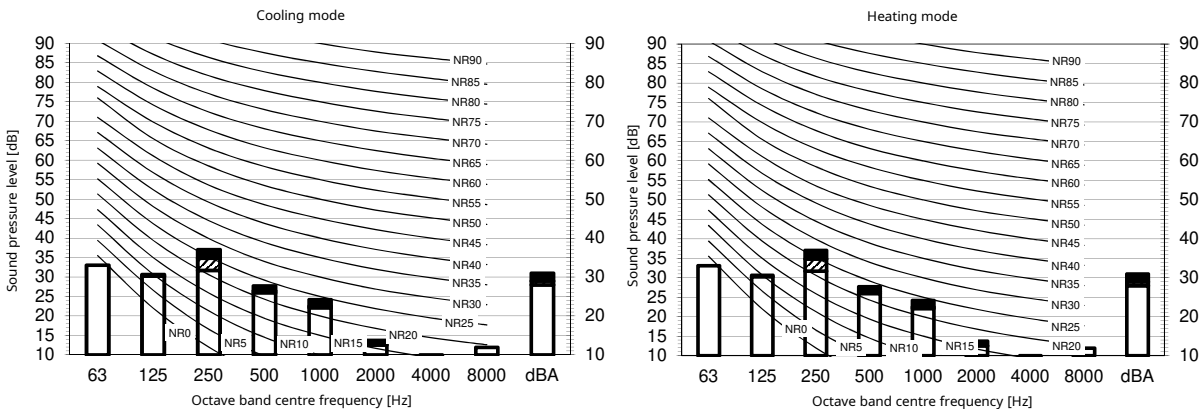
Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	31,0	29,0	28,0	dBA	31,0	29,0	28,0

Notes

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

3D121671A

FXFA25A



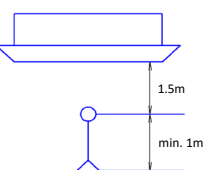
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling Total dB				Heating Total dB			
A	B	C	D	A	B	C	D
dBA	31,0	29,0	28,0	dBA	31,0	29,0	28,0

Notes

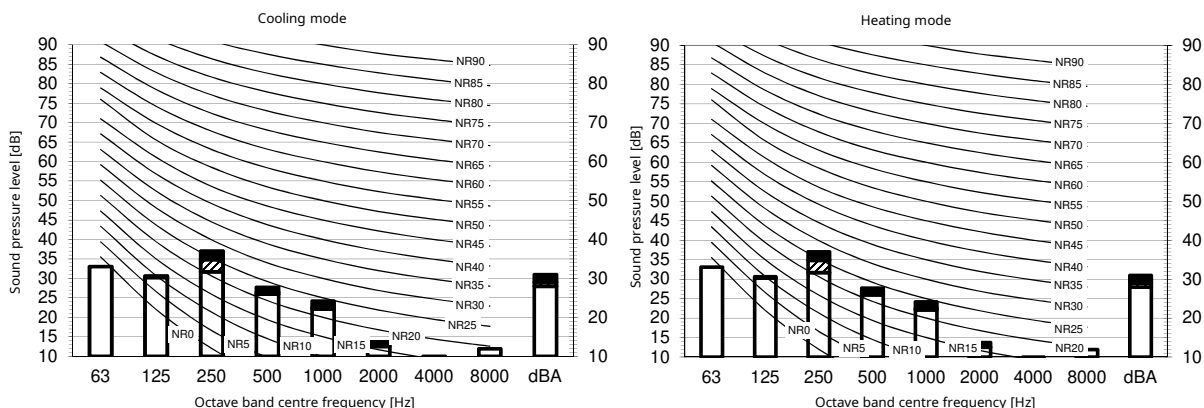
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D121672A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA32A



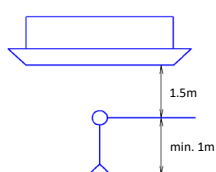
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling		Total dB	
A	B	C	D
dBA	31,0	29,0	28,0

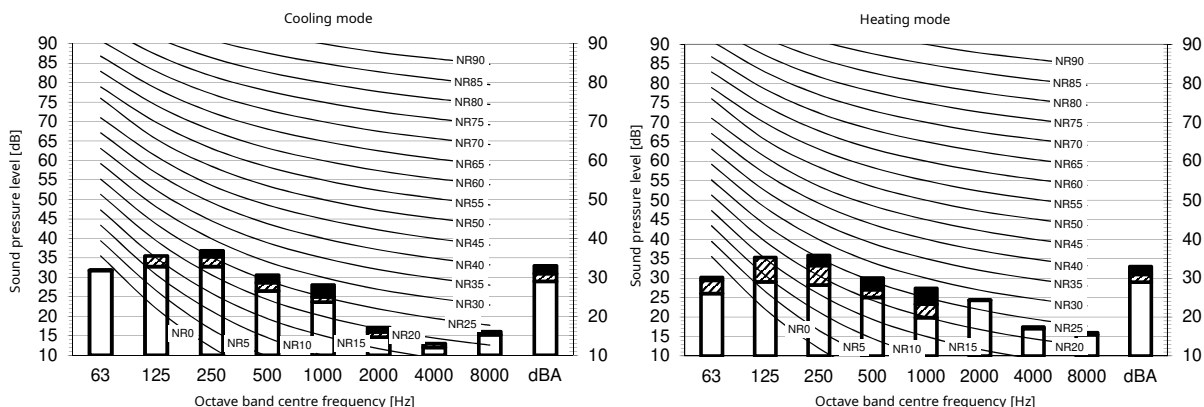
Heating		Total dB	
A	B	C	D
dBA	31,0	29,0	28,0

Notes

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

3D121673A

FXFA40A



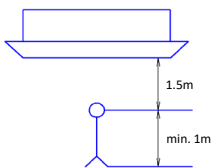
Legend

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

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling		Total dB	
A	B	C	D
dBA	33,0	31,0	29,0

Heating		Total dB	
A	B	C	D
dBA	33,0	31,0	29,0

Notes

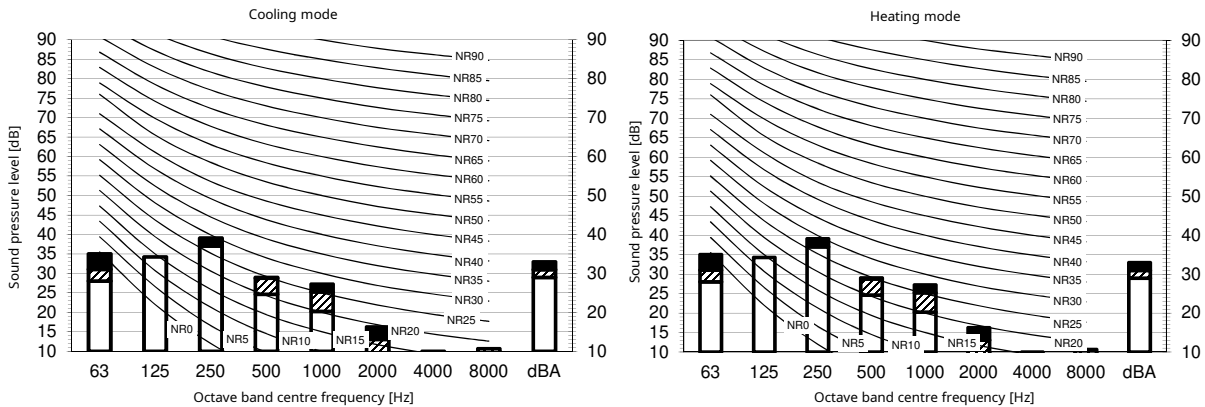
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D121674A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA50A

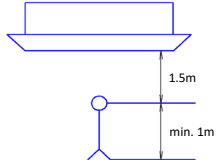


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



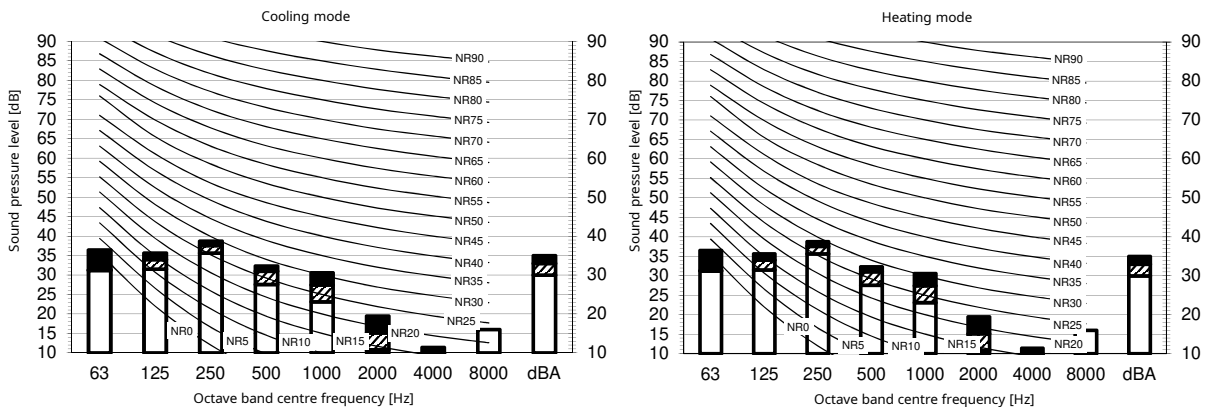
Cooling Total dB			
A	B	C	D
dBA	33,0	31,0	29,0

Heating Total dB			
A	B	C	D
dBA	33,0	31,0	29,0

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

3D121675A

FXFA63A

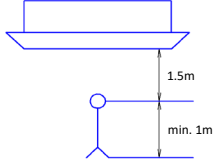


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



Cooling Total dB			
A	B	C	D
dBA	35,0	33,0	30,0

Heating Total dB			
A	B	C	D
dBA	35,0	33,0	30,0

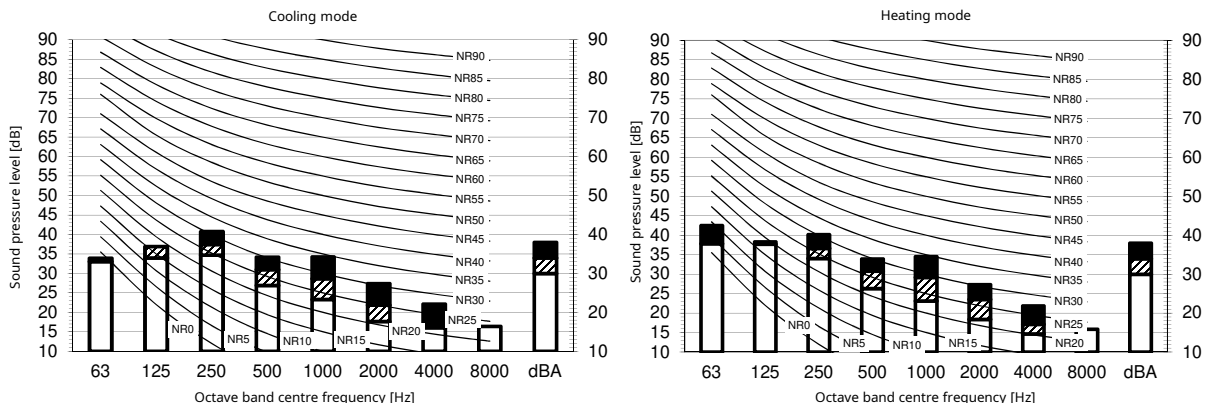
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D121676A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA80A



Cooling Total dB			
A	B	C	D
dBA	38,0	34,0	30,0

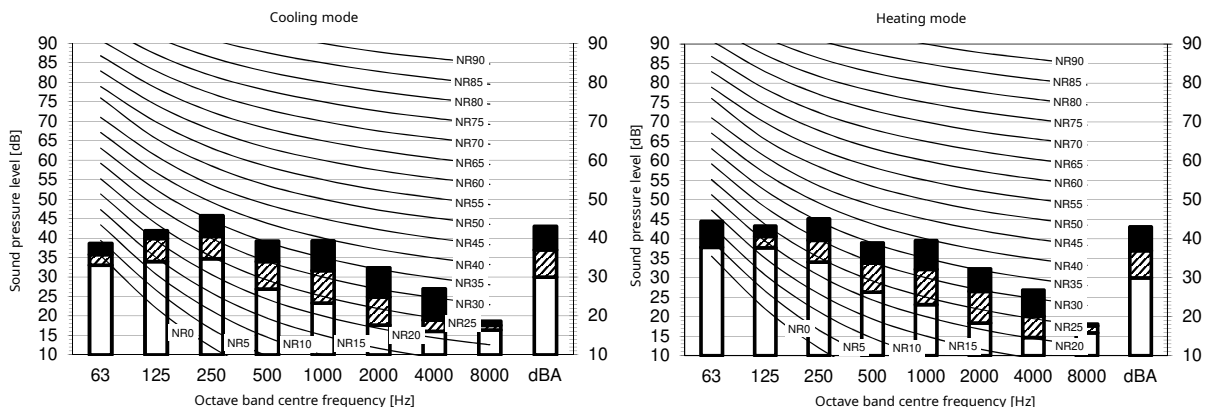
Heating Total dB			
A	B	C	D
dBA	38,0	34,0	30,0

Notes

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

3D121677A

FXFA100A



Cooling Total dB			
A	B	C	D
dBA	43,0	37,0	30,0

Heating Total dB			
A	B	C	D
dBA	43,0	37,0	30,0

Notes

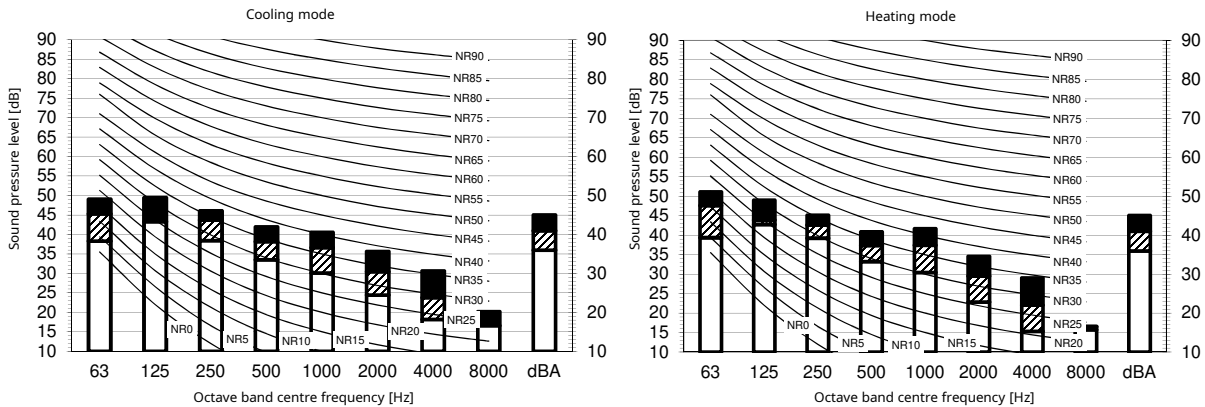
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D121678A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA125A



Cooling Total dBA				Heating Total dBA			
A	B	C	D	A	B	C	D
dBA	45,0	41,0	36,0	dBA	45,0	41,0	36,0

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

3D121679A

12 Air flow patterns

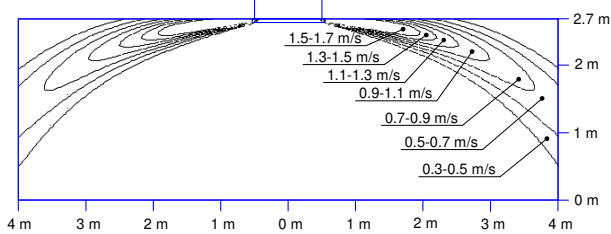
12 - 1 Air flow pattern - Cooling and Heating

12

FXFA20-32A

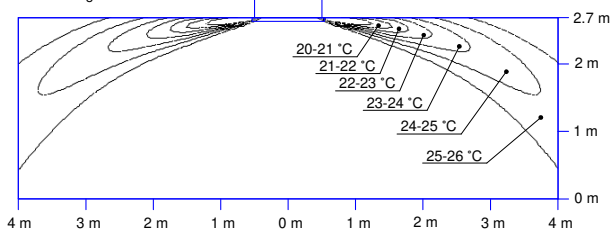
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



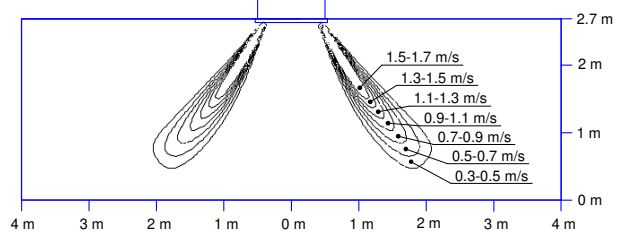
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



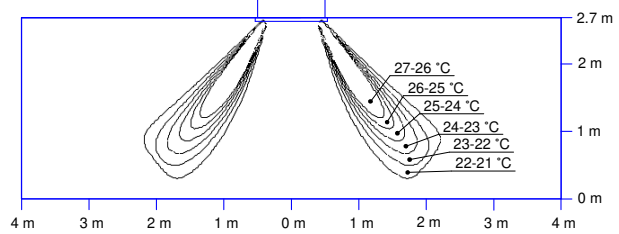
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

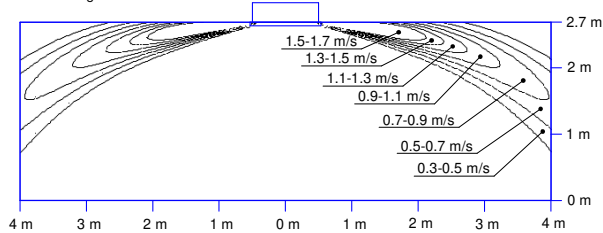


3D121627A

FXFA40A

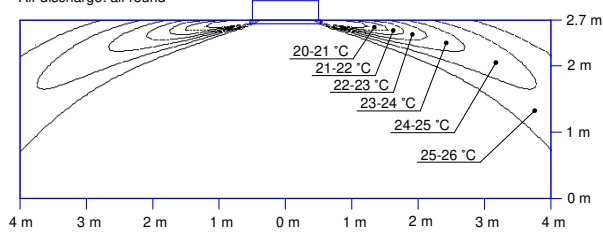
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



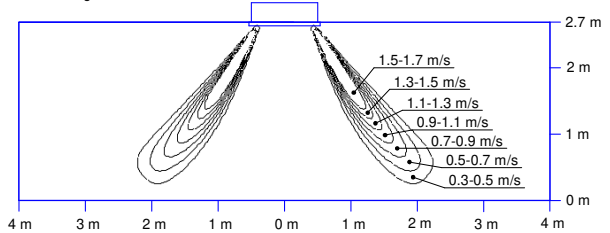
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



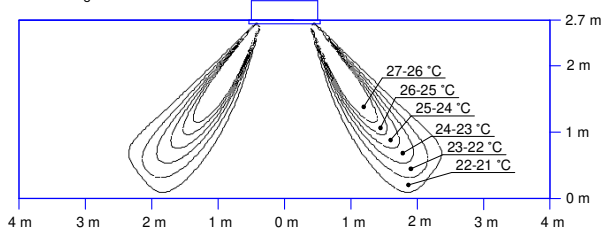
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121620A

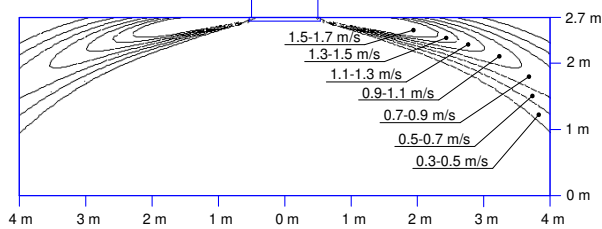
12 Air flow patterns

12 - 1 Air flow pattern - Cooling and Heating

FXFA50A

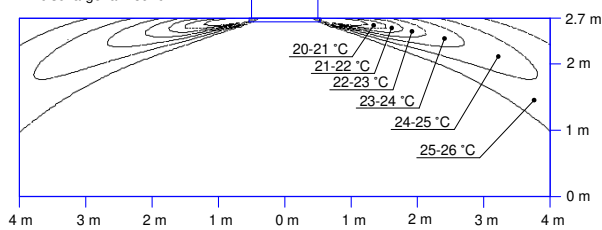
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



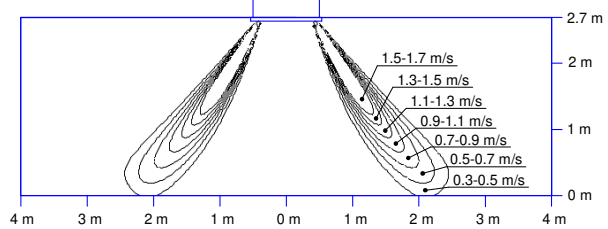
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



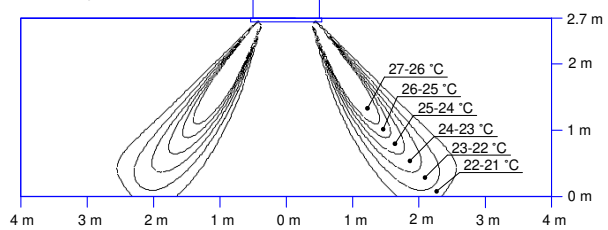
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

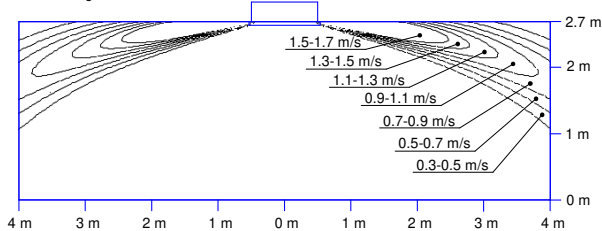


3D121621A

FXFA63A

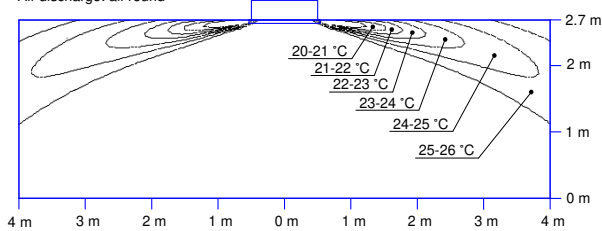
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



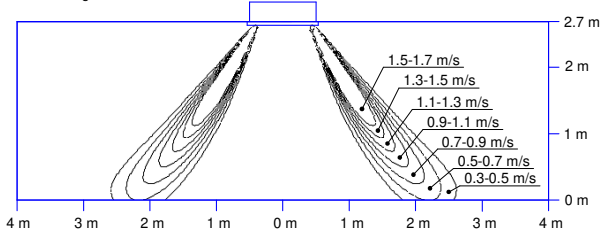
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



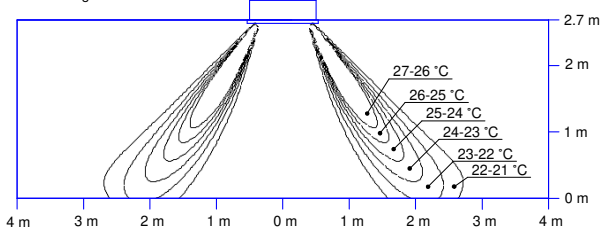
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121628A

12 Air flow patterns

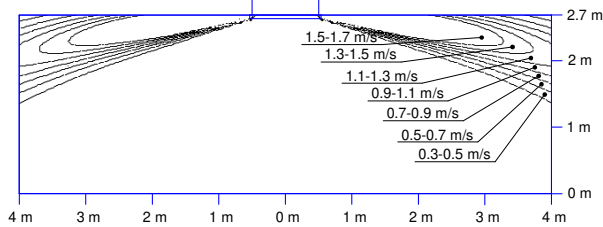
12 - 1 Air flow pattern - Cooling and Heating

12

FXFA80A

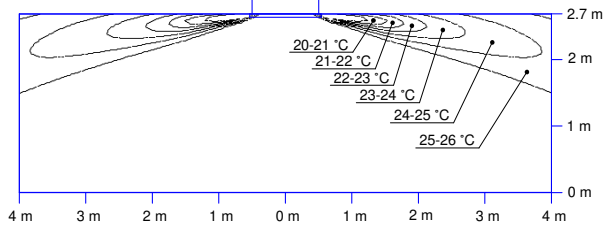
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



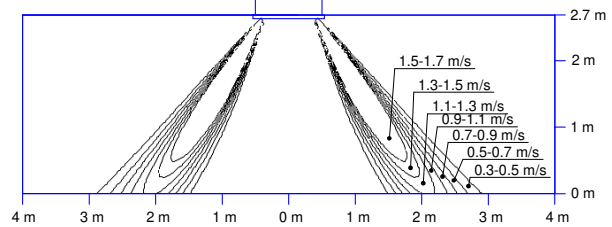
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



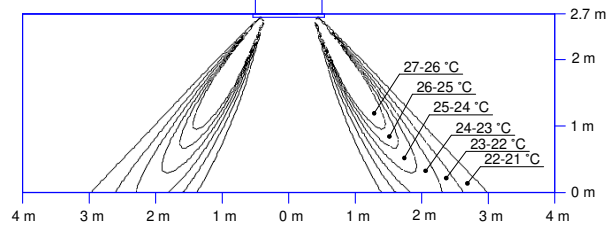
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

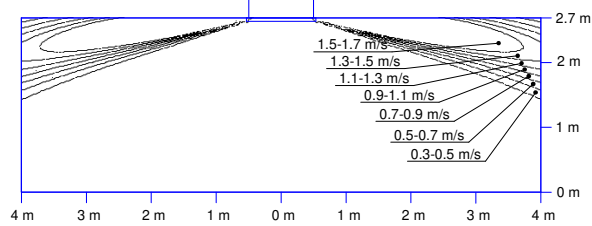


3D121622A

FXFA100A

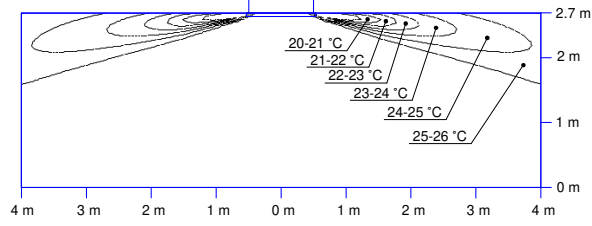
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



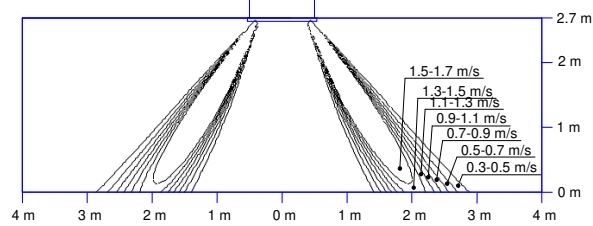
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



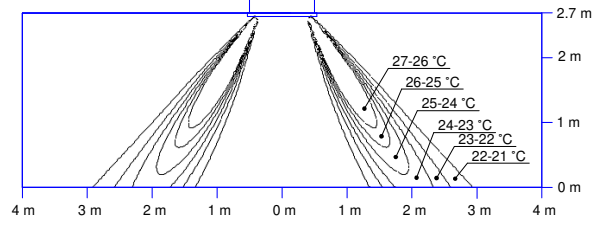
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



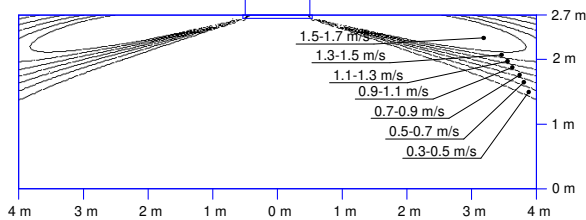
3D121629A

12 Air flow patterns

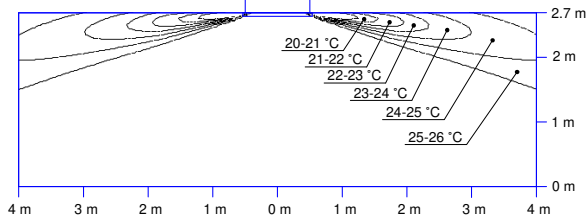
12 - 1 Air flow pattern - Cooling and Heating

FXFA125A

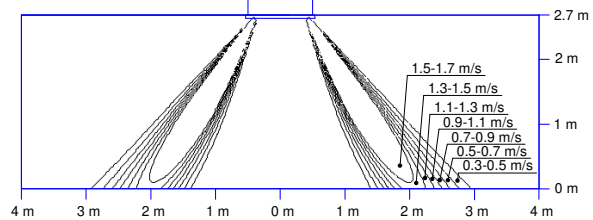
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round


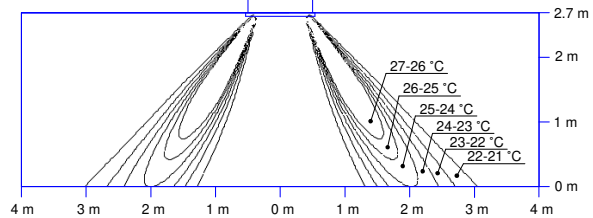
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round


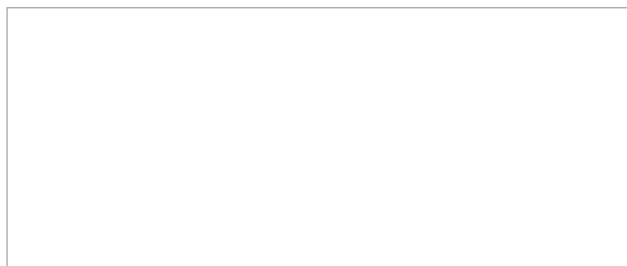
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round


Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round


3D121630A



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09/2022



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