

Round flow cassette Air Conditioning Technical Data FXFA-A



FXFA20A2VEB
FXFA25A2VEB
FXFA32A2VEB
FXFA40A2VEB
FXFA50A2VEB
FXFA63A2VEB
FXFA80A2VEB
FXFA100A2VEB
FXFA125A2VEB

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FXFA-A

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Features

1 - 1 FXFA-A

360° air discharge for optimum efficiency and comfort

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- › 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	FXFA63A
Cooling capacity	Sensible capacity	At high fan speed	kW	1.50	2.00	2.50	3.10	3.80	4.80
		At medium high fan speed	kW	1.40	1.80	2.40	2.90	3.50	4.30
		At medium fan speed	kW	1.30	1.70	2.10	2.60	3.10	3.80
		At medium low fan speed	kW	1.20	1.50	1.90	2.50	2.90	3.50
		At low fan speed	kW	1.10	1.40	1.80	2.20	2.60	3.10
	Latent capacity	At high fan speed	kW	0.70	0.80	1.10	1.40	1.80	2.30
		At medium high fan speed	kW	0.70	0.80	1.00	1.30	1.70	2.10
		At medium fan speed	kW	0.60	0.80	1.00	1.30	1.60	2.00
		At medium low fan speed	kW	0.60	0.80	1.00	1.20	1.50	1.80
		At low fan speed	kW	0.60	0.80	0.90	1.20	1.40	1.60
	Total capacity	At high fan speed	kW	2.20	2.80	3.60	4.50	5.60	7.10
		At medium high fan speed	kW	2.10	2.60	3.40	4.20	5.20	6.40
		At medium fan speed	kW	1.90	2.50	3.10	3.90	4.70	5.80
		At medium low fan speed	kW	1.80	2.30	2.90	3.70	4.40	5.30
		At low fan speed	kW	1.70	2.20	2.70	3.40	4.00	4.70
Heating capacity	Total capacity	At high fan speed	kW	2.50	3.20	4.00	5.00	6.30	8.00
		At medium high fan speed	kW	2.30	2.90	3.70	4.60	5.80	7.10
		At medium fan speed	kW	2.10	2.70	3.40	4.20	5.10	6.30
		At medium low fan speed	kW	1.90	2.50	3.10	3.90	4.90	5.80
		At low fan speed	kW	1.80	2.30	2.90	3.60	4.10	5.00
Power input - 50Hz	Cooling	At high fan speed	kW	0.017 (1)			0.018 (1)	0.023 (1)	0.028 (1)
		At medium high fan speed	kW	0.015 (1)			0.016 (1)	0.020 (1)	0.022 (1)
		At medium fan speed	kW	0.013 (1)			0.014 (1)	0.017 (1)	0.018 (1)
		At medium low fan speed	kW	0.012 (1)				0.014 (1)	0.015 (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)	0.028 (1)
		At medium high fan speed	kW	0.015 (1)			0.016 (1)	0.020 (1)	0.022 (1)
		At medium fan speed	kW	0.013 (1)			0.014 (1)	0.017 (1)	0.018 (1)
		At medium low fan speed	kW	0.012 (1)				0.014 (1)	0.015 (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)	0.028 (1)
	Heating	At high fan speed	kW	0.017 (1)			0.018 (1)	0.023 (1)	0.028 (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

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Technical specifications				FXFA20A	FXFA25A	FXFA32A	FXFA40A	FXFA50A	FXFA63A	
Fan	Type	Turbo fan								
	Quantity	1								
Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	12.8		14.8		15.1	16.6	
		At medium high fan speed	m³/min	11.8		13.7		14.0	15.0	
		At medium fan speed	m³/min	10.7		12.6		12.8	13.3	
		At medium low fan speed	m³/min	9.8		11.5		11.8	12.0	
		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	16.6	
		At medium high fan speed	m³/min	11.8		13.7		14.0	15.0	
		At medium fan speed	m³/min	10.7		12.6		12.8	13.3	
		At medium low fan speed	m³/min	9.8		11.5		11.8	12.0	
		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	586
			At medium high fan speed	cfm	417		484		494	530
			At medium low fan speed	cfm	346		406		417	424
			At medium fan speed	cfm	378		445		452	470
			At low fan speed	cfm	314		367		378	
		Heating	At high fan speed	cfm	452		523		533	586
			At medium high fan speed	cfm	417		484		494	530
			At medium fan speed	cfm	378		445		452	470
			At medium low fan speed	cfm	346		406		417	424
			At low fan speed	cfm	314		367		378	
Sound power level	Cooling	At high fan speed	dBA	49.0		51.0		53.0		
Sound pressure level	Cooling	At high fan speed	dBA	31.0		33.0		35.0		
		At medium high fan speed	dBA	30.0		32.0		34.0		
		At medium fan speed	dBA	29.0		31.0		33.0		
		At medium low fan speed	dBA	29.5		30.0		32.0		
		At low fan speed	dBA	28.0		29.0		30.0		
	Heating	At high fan speed	dBA	31.0		33.0		35.0		
		At medium high fan speed	dBA	30.0		32.0		34.0		
		At medium fan speed	dBA	29.0		31.0		33.0		
		At medium low fan speed	dBA	29.5		30.0		32.0		
		At low fan speed	dBA	28.0		29.0		30.0		
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									
	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	FXFA63A
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				FXFA80A	FXFA100A	FXFA125A
Cooling capacity	Sensible capacity	At high fan speed	kW	6.10	7.70	9.70
		At medium high fan speed	kW	5.50	6.80	8.50
		At medium fan speed	kW	5.00	5.80	7.70
		At medium low fan speed	kW	4.20	4.90	6.90
		At low fan speed	kW	3.60	3.80	6.00
	Latent capacity	At high fan speed	kW	2.90	3.50	4.30
		At medium high fan speed	kW	2.70	3.20	3.90
		At medium fan speed	kW	2.50	2.90	3.70
		At medium low fan speed	kW	2.20	2.40	3.40
		At low fan speed	kW	1.80	2.00	3.00
	Total capacity	At high fan speed	kW	9.00	11.20	14.00
		At medium high fan speed	kW	8.20	10.00	12.40
		At medium fan speed	kW	7.50	8.70	11.40
		At medium low fan speed	kW	6.40	7.30	10.30
		At low fan speed	kW	5.40	5.80	9.00
Heating capacity	Total capacity	At high fan speed	kW	10.00	12.50	16.00
		At medium high fan speed	kW	9.10	10.90	14.10
		At medium fan speed	kW	8.30	9.30	12.80
		At medium low fan speed	kW	7.10	7.70	11.30
		At low fan speed	kW	5.90	6.00	9.80
Power input - 50Hz	Cooling	At high fan speed	kW	0.045 (1)	0.078 (1)	0.103 (1)
		At medium high fan speed	kW	0.036 (1)	0.054 (1)	0.081 (1)
		At medium fan speed	kW	0.028 (1)	0.036 (1)	0.062 (1)
		At medium low fan speed	kW	0.020 (1)	0.022 (1)	0.045 (1)
		At low fan speed	kW	0.015 (1)		0.031 (1)
	Heating	At high fan speed	kW	0.045 (1)	0.078 (1)	0.103 (1)
		At medium high fan speed	kW	0.036 (1)	0.054 (1)	0.081 (1)
		At medium fan speed	kW	0.028 (1)	0.036 (1)	0.062 (1)
		At medium low fan speed	kW	0.020 (1)	0.022 (1)	0.045 (1)
		At low fan speed	kW	0.015 (1)		0.031 (1)
	Cooling	At high fan speed	kW	0.045 (1)	0.078 (1)	0.103 (1)
		At high fan speed	kW	0.045 (1)	0.078 (1)	0.103 (1)
Dimensions	Unit	Height	mm	246		288
		Width	mm	840		
		Depth	mm	840		
	Packed unit	Height	mm	260		300
Dimensions	Packed unit	Width	mm	882		
		Depth	mm	882		
Weight	Unit		kg	24		26
	Packed unit		kg	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		14		17
	Face area		m ²	0.464		0.556
	Stages	Quantity		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				FXFA80A	FXFA100A	FXFA125A	
Fan	Type	Turbo fan					
	Quantity	1					
Air flow rate - 50Hz	Cooling	At high fan speed	m³/min	23.3	28.8	33.0	
		At medium high fan speed	m³/min	21.7	25.1	30.2	
		At medium fan speed	m³/min	19.3	21.2	27.4	
		At medium low fan speed	m³/min	16.5	17.5	24.0	
		At low fan speed	m³/min	13.8		20.6	
		Heating	At high fan speed	m³/min	23.3	29.0	33.0
	At medium high fan speed		m³/min	21.7	25.1	30.2	
	At medium fan speed		m³/min	19.3	21.2	27.4	
	At medium low fan speed		m³/min	16.5	17.5	24.0	
	At low fan speed		m³/min	13.8		20.6	
	Air flow rate - 60Hz	Cooling	At high fan speed	cfm	823	1,017	1,165
			At medium high fan speed	cfm	766	886	1,067
			At medium low fan speed	cfm	583	618	848
			At medium fan speed	cfm	682	749	968
			At low fan speed	cfm	487		727
		Heating	At high fan speed	cfm	823	1,024	1,165
At medium high fan speed			cfm	766	886	1,067	
At medium fan speed			cfm	682	749	968	
At medium low fan speed			cfm	583	618	848	
At low fan speed			cfm	487		727	
Sound power level	Cooling	At high fan speed	dB(A)	55.0	60.0	61.0	
Sound pressure level	Cooling	At high fan speed	dB(A)	38.0	43.0	45.0	
		At medium high fan speed	dB(A)	36.0	41.0	43.0	
		At medium fan speed	dB(A)	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)	38.0	43.0	45.0
	At medium high fan speed		dB(A)	36.0	41.0	43.0	
	At medium fan speed		dB(A)	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			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	FXFA63A
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			FXFA80A	FXFA100A	FXFA125A
Power supply	Phase		1~		
	Frequency	Hz	50/60		
	Voltage	V	220-240/220		
Current - 50Hz	Minimum circuit amps (MCA)	A	0.6	0.8	1.3
	Maximum fuse amps (MFA)	A	6		
	Full load amps (FLA) Total	A	0.5	0.7	1.2
Current - 60Hz	Minimum circuit amps (MCA)	A	0.6	0.8	1.3
	Maximum fuse amps (MFA)	A	6		
	Full load amps (FLA) Total	A	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 |

BYCQI40E2W1: pure white standard panel with grey louvers; BYCQI40E2W1W: pure white standard panel with white louvers; BYCQI40E2W1B: black standard panel with black louvers. |

The BYCQI40E2W1W 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 BYCQI40E2W1W decoration panel in environments exposed to concentrations of dirt. |

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXFA-A

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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

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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

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	Black	BYCQ140E2PB	✓
Self-cleaning decoration panel (with fine filter)		BYCQ140E2GFW1 (3)(4)(5)	✓
Self-cleaning decoration panel (with fine filter)	Black	BYCQ140E2GFW1B (3)(4)(5)	✓
Long-life replacement filter		KAF5511D160	✓
Chamber [part of fresh air intake kit (-20% fresh air)]		KDDP55C160-1 (6)(7)	✓
Diffuser from chamber to duct [part of fresh air intake kit (-20% fresh air)]		KDDP55D160-2 (6)(7)	✓
Air discharge outlet sealing member		KDBHQ56B140 (6)	✓
Sensor kit		BRVQ140B8 (8)	✓
Sensor kit	Black	BRVQ140B8B (9)	✓
Sensor kit (for designer decoration panel)		BRVQ140C8 (15)	✓
Sensor kit (for designer decoration panel)	Black	BRVQ140C8B (16)	✓
Wireless remote control		BRC7FA532F (6)(10)(14)(17)	✓
Wireless remote control	Black	BRC7FA532FB (6)(11)(14)(17)	✓
Wireless remote control (for designer decoration panel)		BRC7FB532F (6)(14)(15)(17)	✓
Wireless remote control (for designer decoration panel)	Black	BRC7FB532FB (6)(14)(16)(17)	✓
Wired remote control		BRC1H52W/S/K	✓
Wiring adaptor for electrical appendices -1-		KRP1BA58 (6)(13)	✓
Wiring adaptor for electrical appendices -2-		KRP4A53 (6)(13)	✓
Wiring adaptor (hour meter)		EKRP1C12 (6)(13)	✓
Remote sensor		KRCS01-7B	✓
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 (13)(14)	✓
Intelligent Touch Manager		DCM601A51	✓
Intelligent Tablet Controller		DCC601A51	✓
Relay PCB		ERP01A51 (12)	✓
Wire harness for external wireless temperature sensor		EKEWTSC-2 (18)	✓
WLAN adaptor for smartphones		BRP069C51 (14)	✓
PCB for multi-tenant indoor units		DTA114A61 (12)(19)	✓

For notes and symbols, refer to page -2-.

3D128835E

FXFA-A

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 required.
- 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 humidity.
- 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·.

3D128835E

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

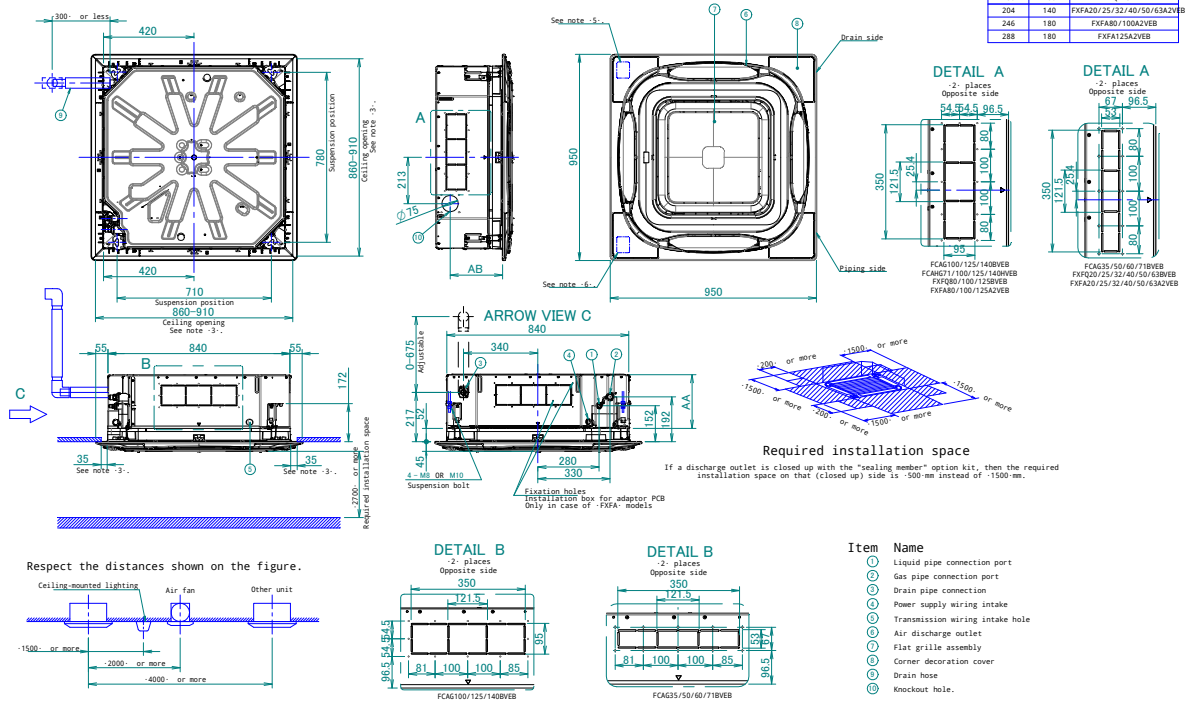
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXFA-A

Notes

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.

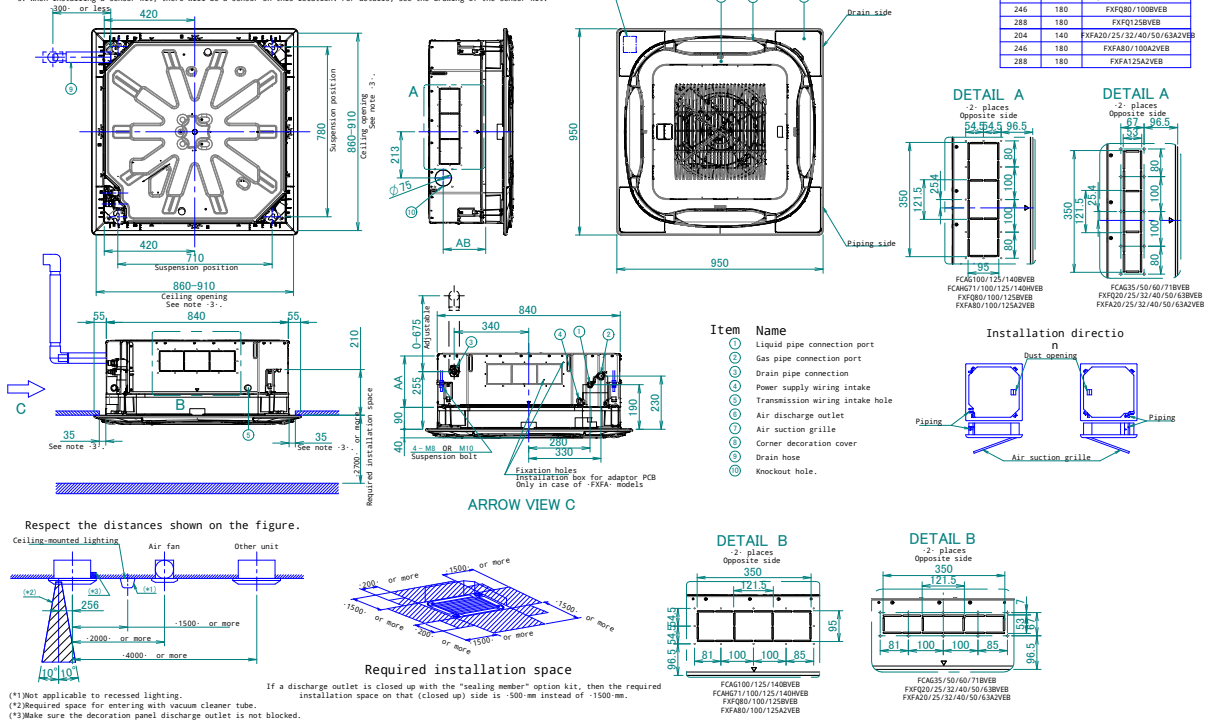


2D121703C

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.



2D121658C

7 Dimensional drawings

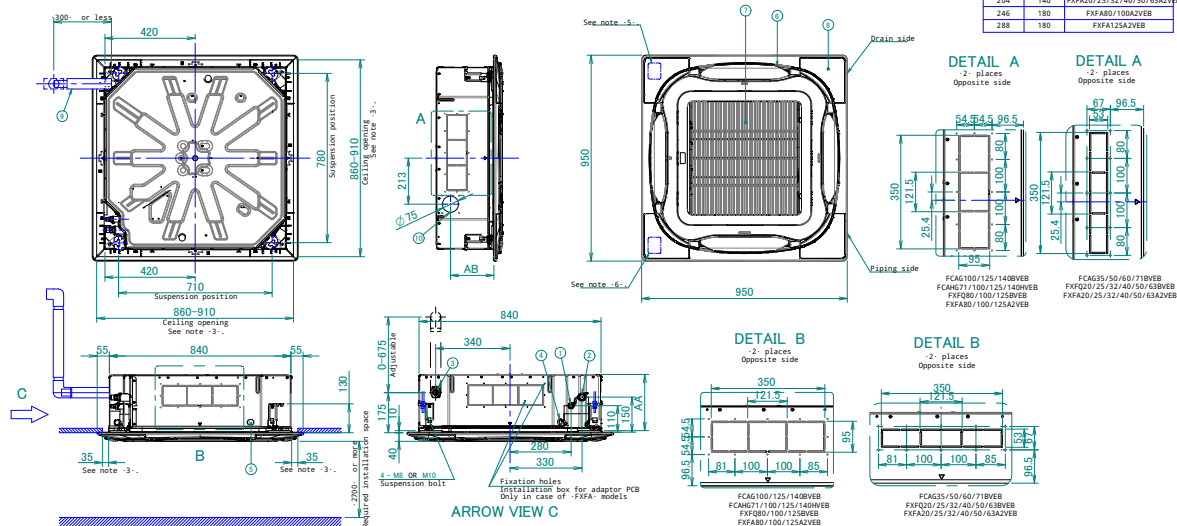
7 - 1 Dimensional Drawings

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 60% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness 20 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.

AA	AB	Model
204	140	FCAG25/50/60/718VEB
246	180	FCAG100/125/140HVEB
288	180	FCAG671/100/125/140HVEB
204	140	FXFQ20/25/32/40/50/63BVEB
246	180	FXFQ80/100BVEB
288	180	FXFQ125BVEB
204	140	FXFA20/25/32/40/50/63AZVEB
246	180	FXFAB0/100AZVEB
288	180	FXFA125AZVEB



- Item Name**
- ① Liquid pipe connection port
 - ② Gas pipe connection port
 - ③ Drain pipe connection
 - ④ Power supply wiring intake
 - ⑤ Transmission wiring intake hole
 - ⑥ Air discharge outlet
 - ⑦ Air suction grille
 - ⑧ Corner decoration cover
 - ⑨ Drain hose
 - ⑩ Knockout hole.

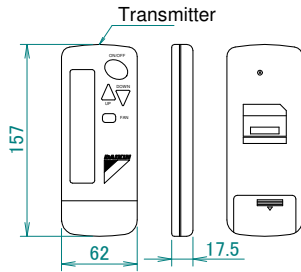
2D121655C

7 Dimensional drawings

7 - 2 Dimensional Drawings with Accessories

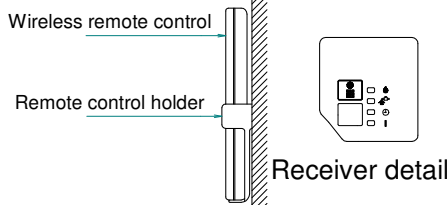
FXFA-A

Remote control dimensions

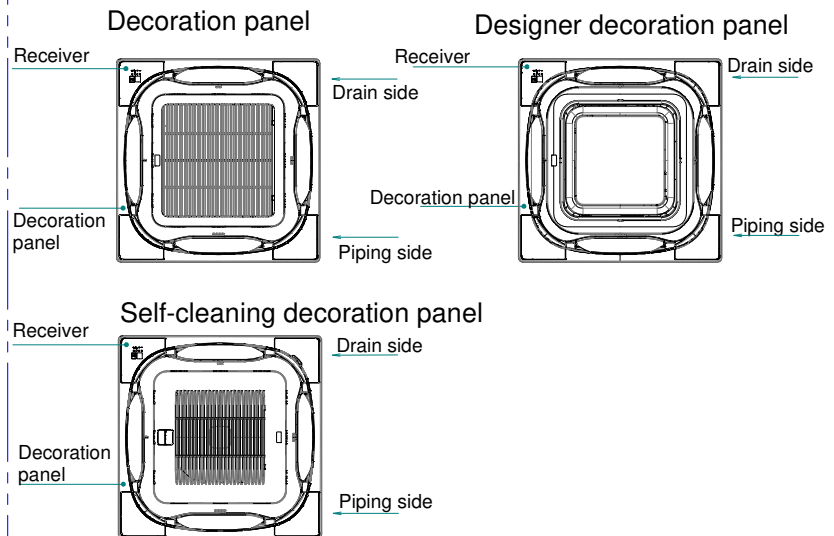


Remote control holder

Installation methods
Installation to wall surface



Installation methods

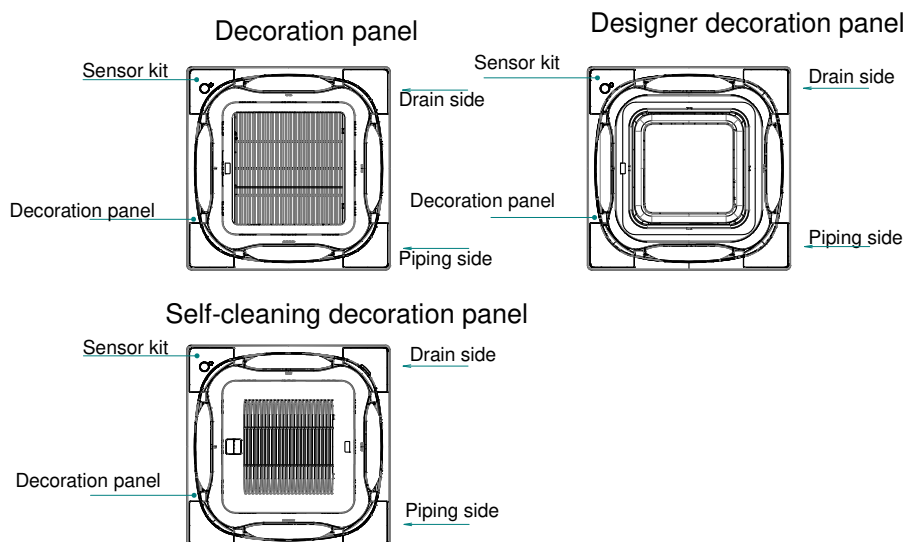


Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRC7FA532F
	BYCQ140E2W1B	BRC7FA532FB
Self-cleaning decoration panel	BYCQ140E2GFW1	BRC7FA532F
	BYCQ140E2GFW1B	BRC7FA532FB
Designer decoration panel	BYCQ140E2P	BRC7FB532F
	BYCQ140E2PB	BRC7FB532FB

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FXFA-A

Installation methods



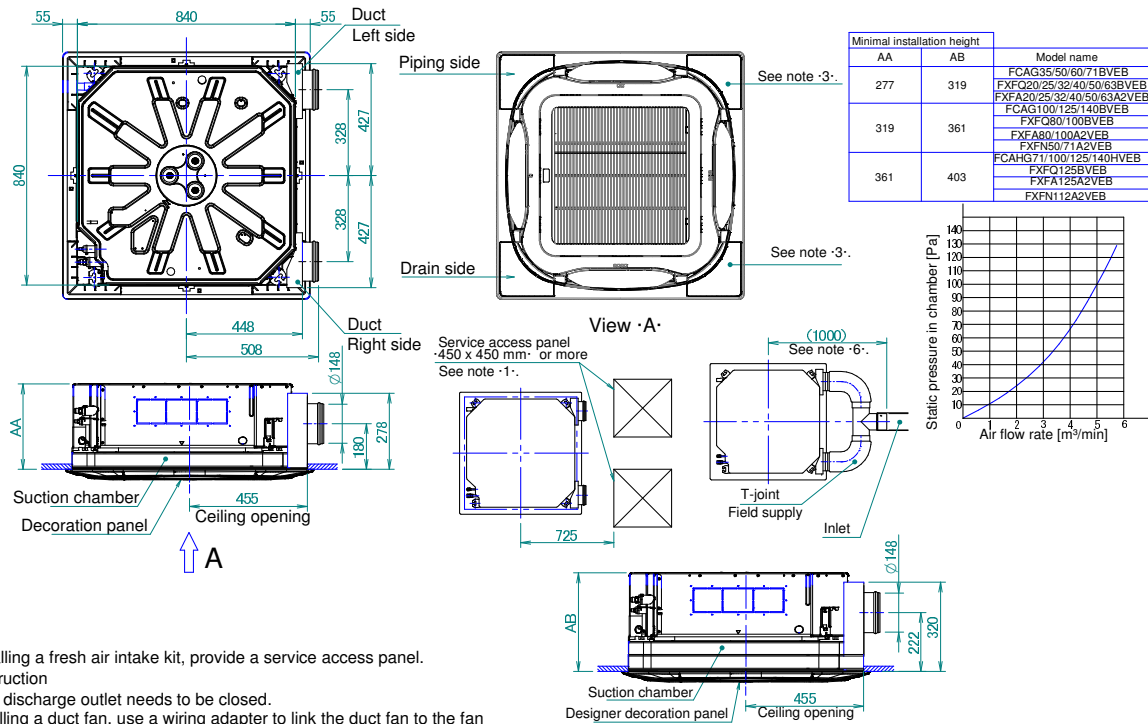
Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRYQ140B8
	BYCQ140E2W1B	BRYQ140B8B
Self-cleaning decoration panel	BYCQ140E2GFW1	BRYQ140B8
	BYCQ140E2GFW1B	BRYQ140B8B
Designer decoration panel	BYCQ140E2P	BRYQ140C8
	BYCQ140E2PB	BRYQ140C8B

3D121755

7 Dimensional drawings

7 - 3 Dimensional Drawings with Fresh Air Intake

FXFA-A



Notes

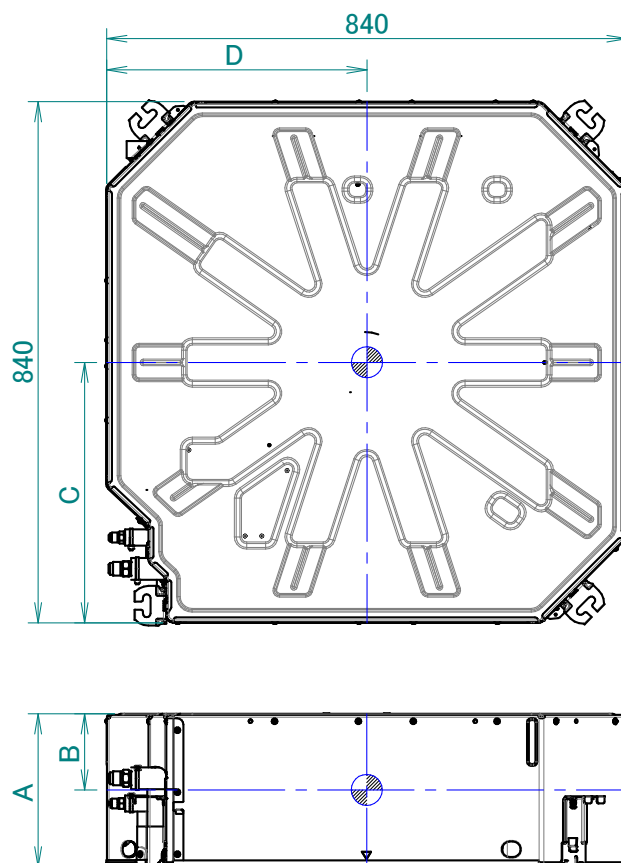
- When installing a fresh air intake kit, provide a service access panel.
- Field construction
- This corner discharge outlet needs to be closed.
- When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
- The intake air flow rate is recommended to be ≤20% 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

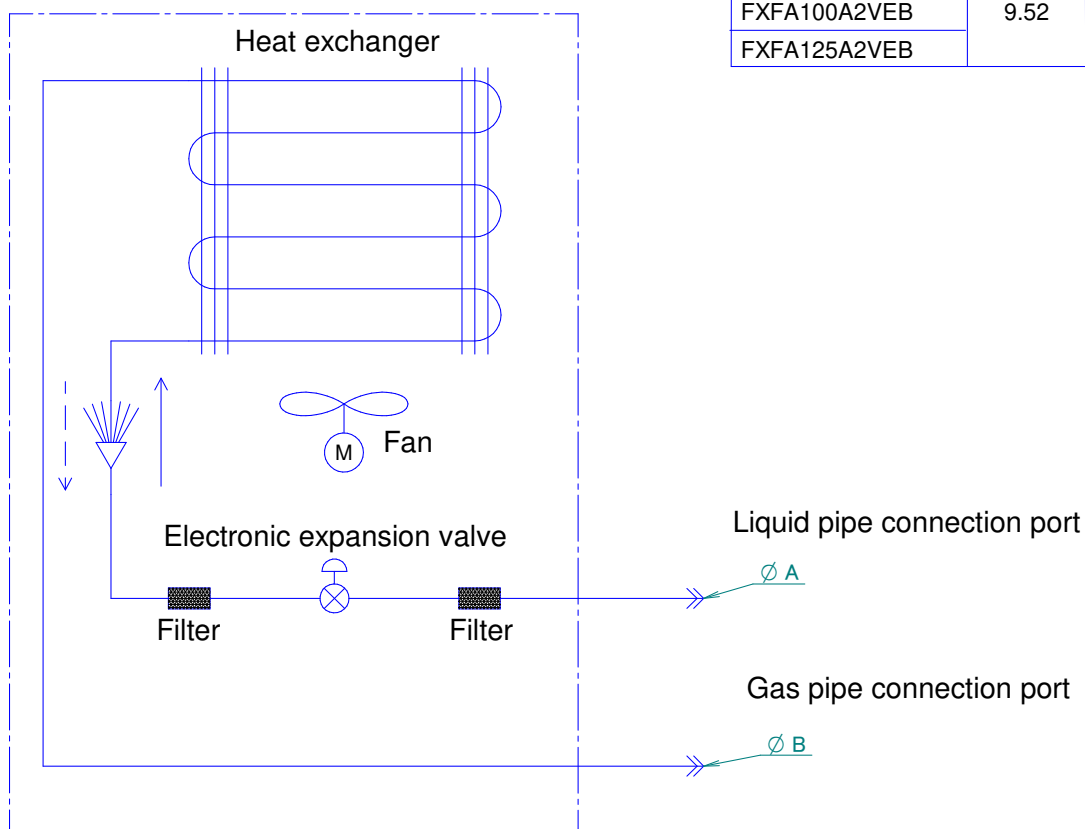
9 - 1 Piping Diagrams

FXFA-A

Refrigerant flow

Cooling ———→

Heating - - - ->



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

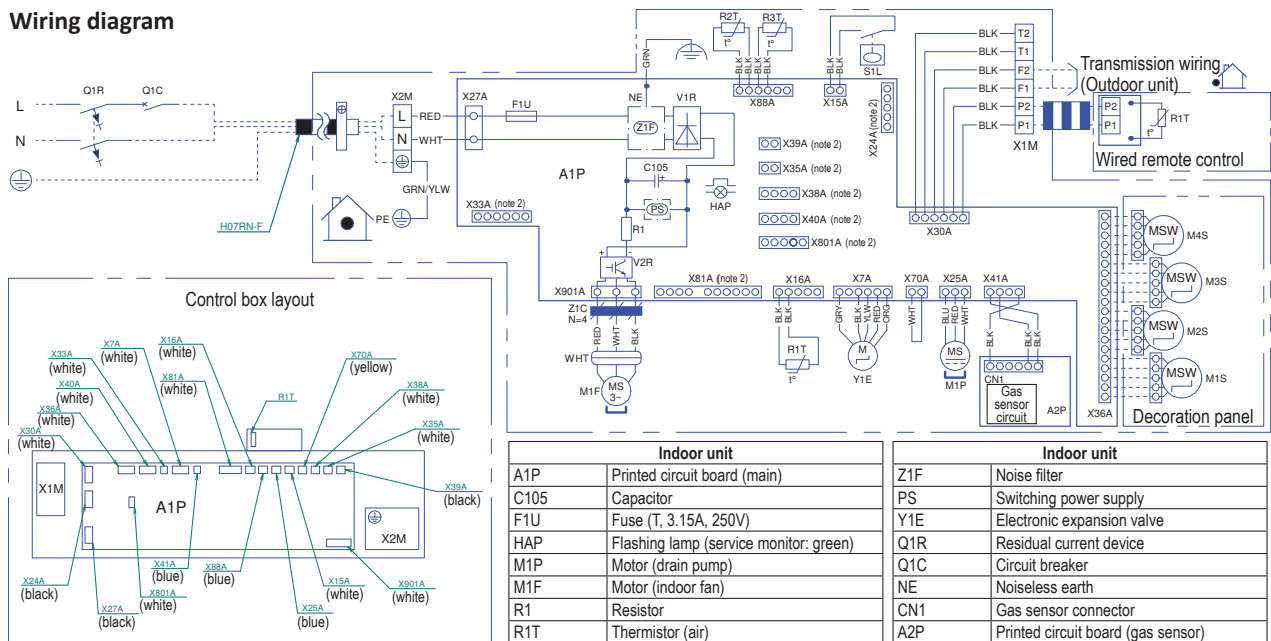
4D126209

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXFA-A

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

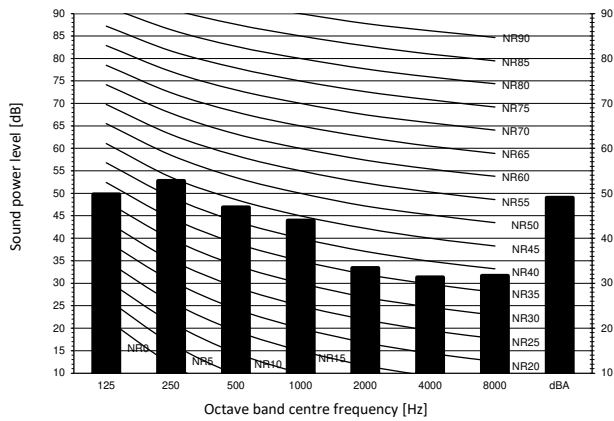
11 Sound data

11 - 1 Sound Power Spectrum

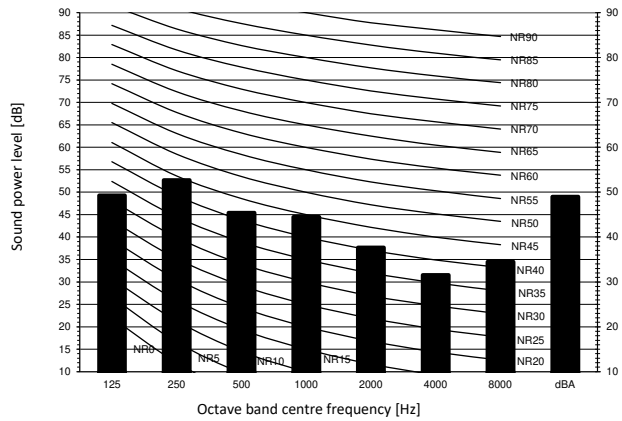
FXFA20-32A

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

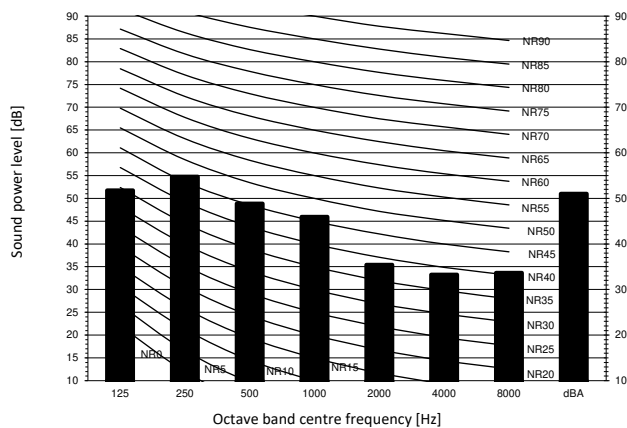
3. Measured according to ISO 3744

High

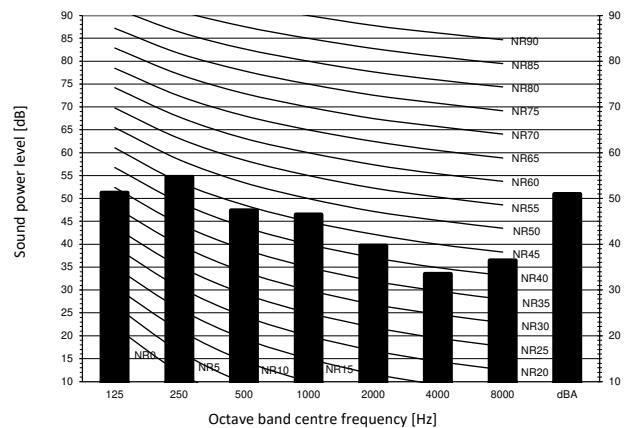
3D131809

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

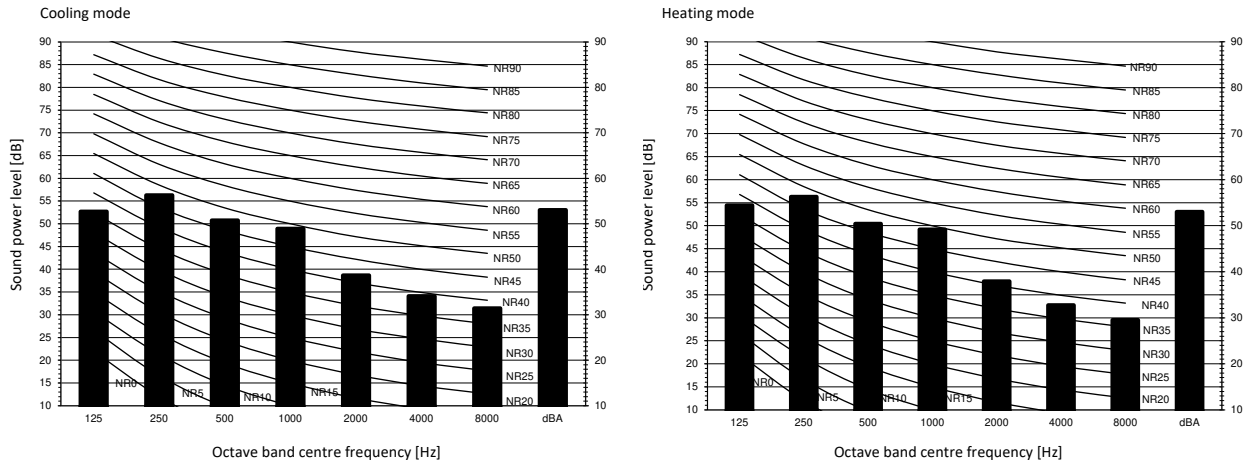
High

3D131810

11 Sound data

11 - 1 Sound Power Spectrum

FXFA63A



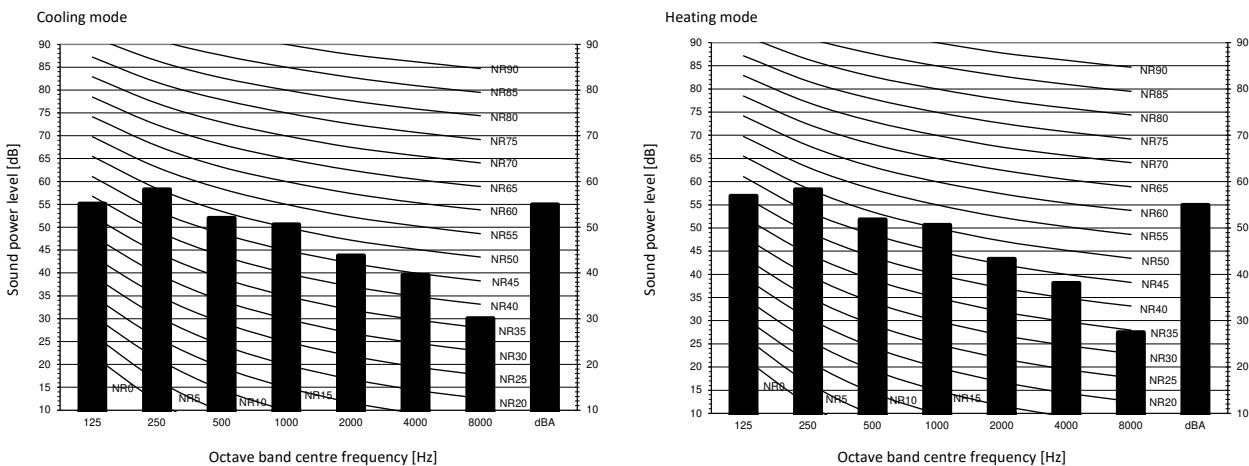
Fan speed



High

3D131811

FXFA80A



Fan speed



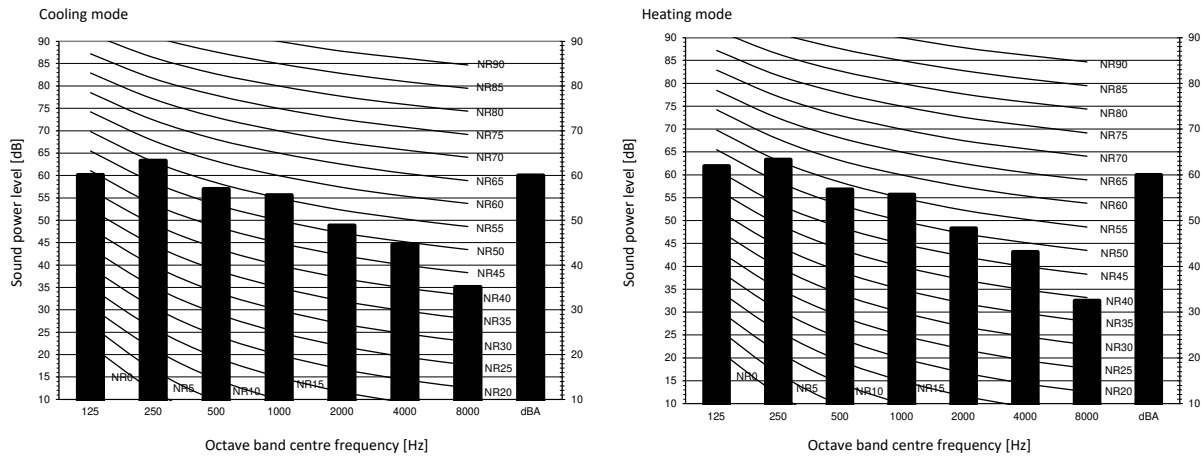
High

3D131812

11 Sound data

11 - 1 Sound Power Spectrum

FXFA100A



Notes

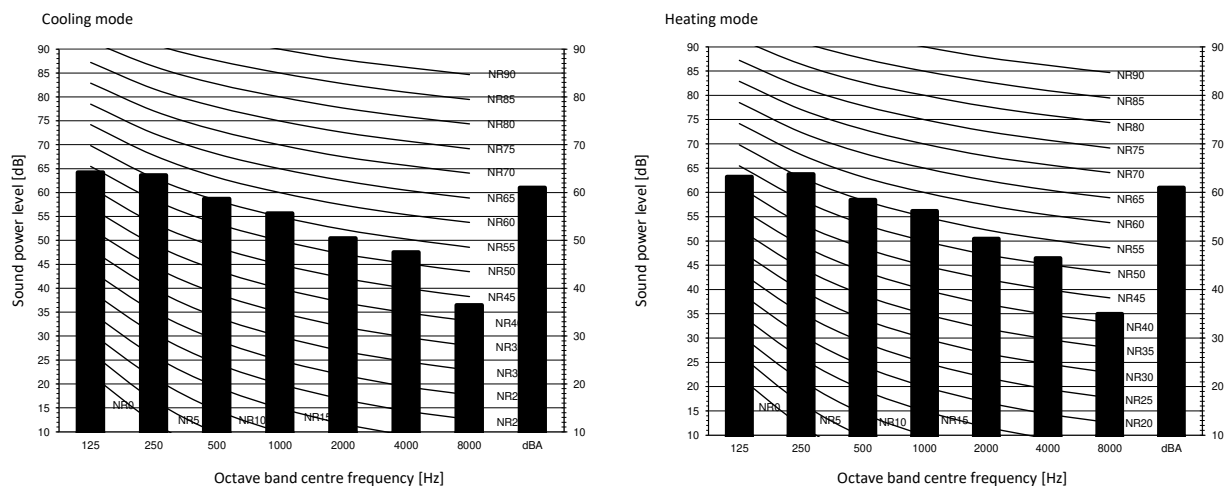
Fan speed



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



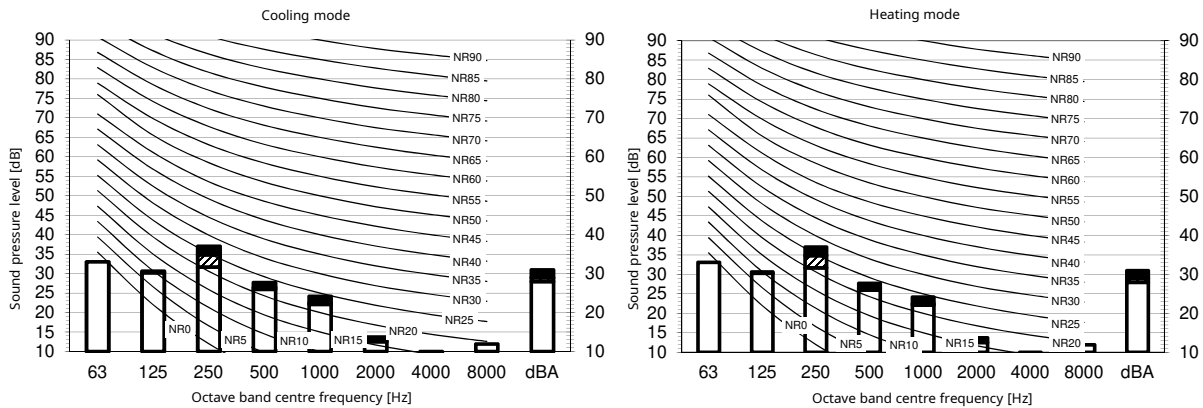
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = $-10E-6 \mu W$
3. Measured according to ISO 3744

3D131814

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA20A



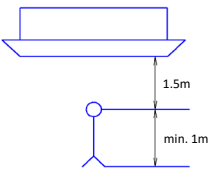
Legend

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			
A	B	C	D
dBA	31,0	29,0	28,0

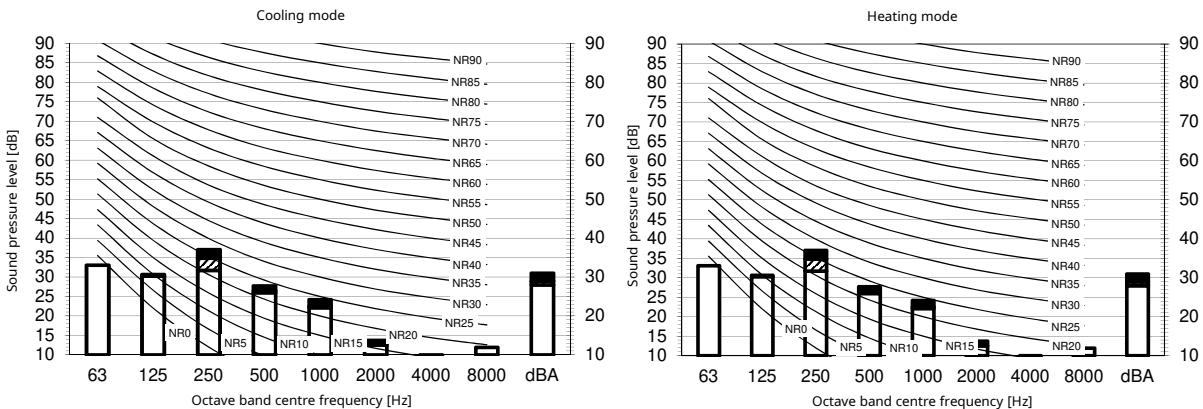
Heating Total dB			
A	B	C	D
dBA	31,0	29,0	28,0

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

3D121671A

FXFA25A



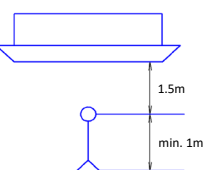
Legend

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			
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

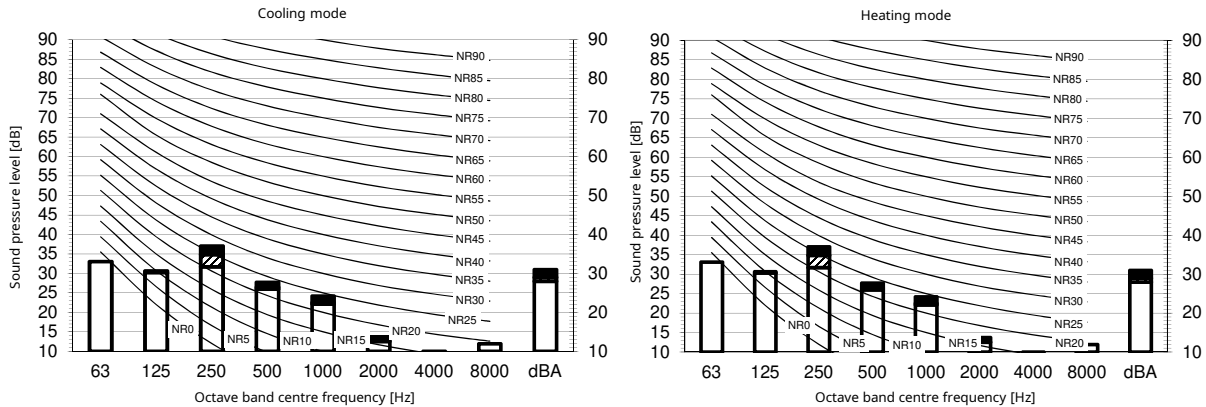
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D121672A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA32A

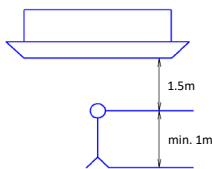


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



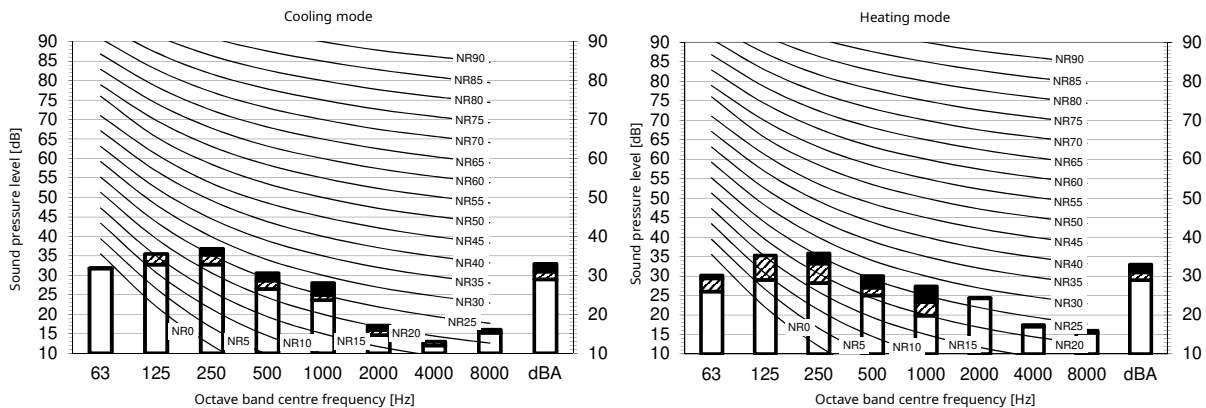
Cooling Total dB			
A	B	C	D
dBA	31,0	29,0	28,0

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

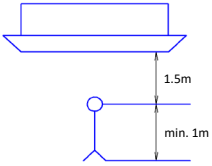


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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

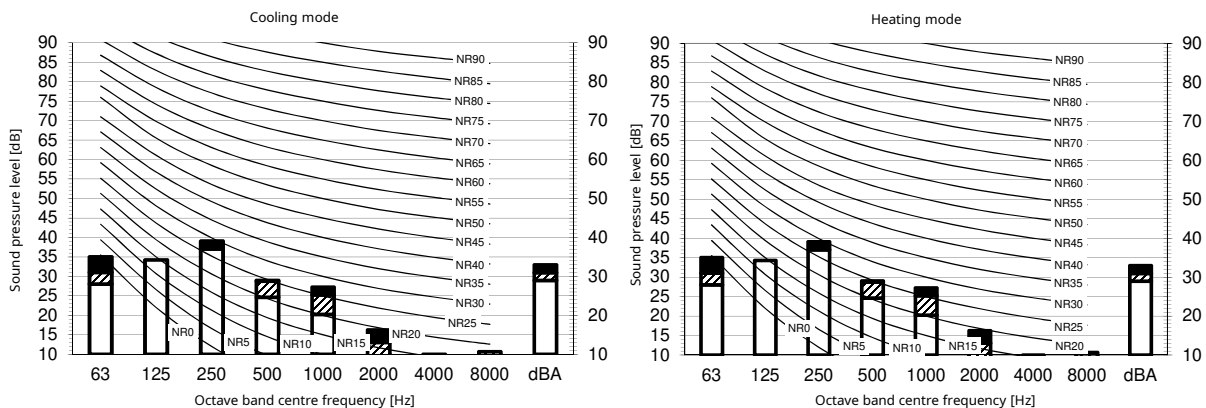
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D121674A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA50A

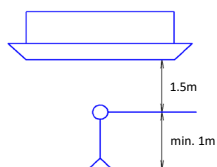


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



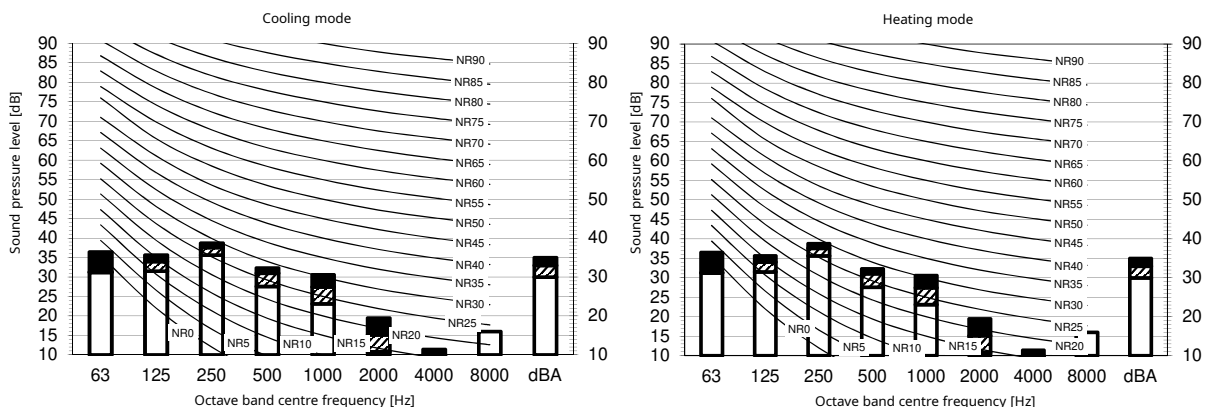
Cooling	Total dB			
A	B	C	D	
dBA	33,0	31,0	29,0	

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

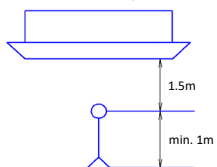


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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	

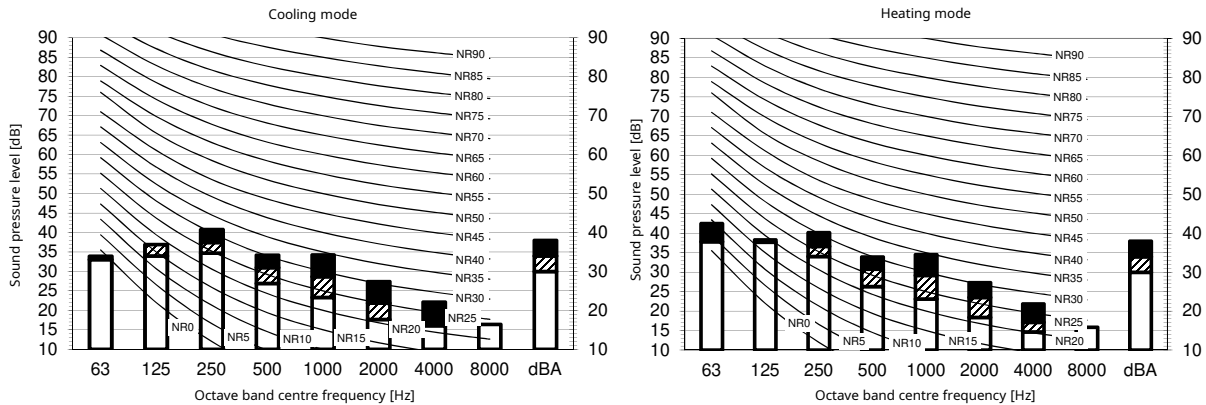
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D121676A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA80A

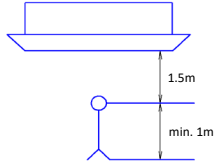


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



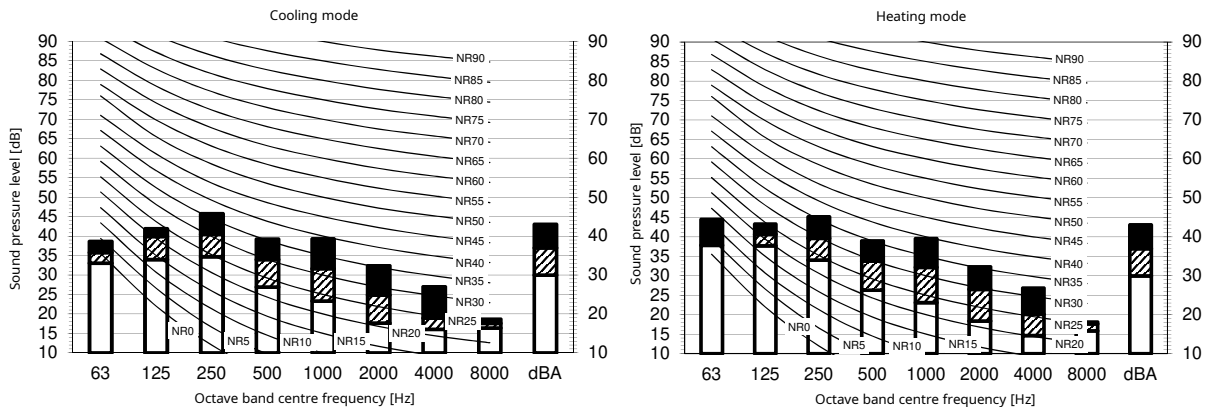
Cooling	Total dB			
A	B	C	D	
dBA	38,0	34,0	30,0	

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

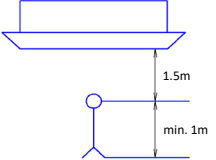


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



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

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

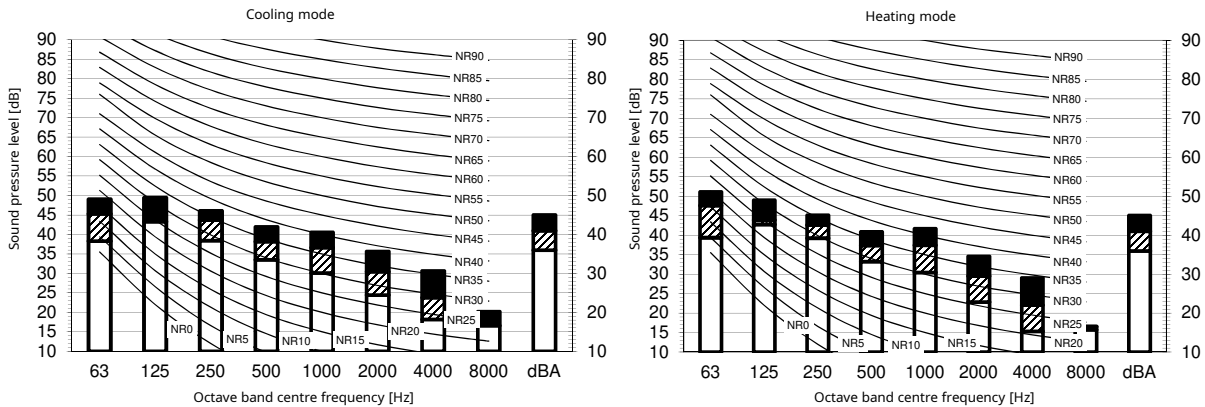
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D121678A

11 Sound data

11 - 2 Sound Pressure Spectrum

FXFA125A



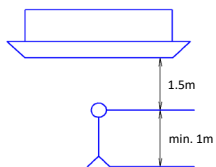
Legend

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	45,0	41,0	36,0

Heating Total dB

A	B	C	D
dBA	45,0	41,0	36,0

Notes

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

3D121679A

12 Air flow patterns

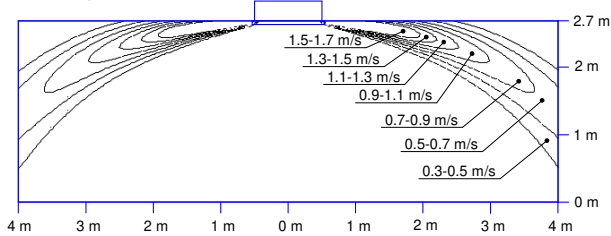
12 - 1 Air flow pattern - Cooling and Heating

12

FXFA20-32A

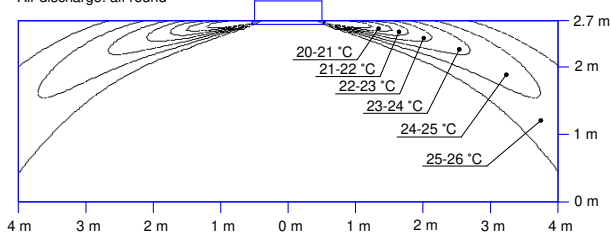
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



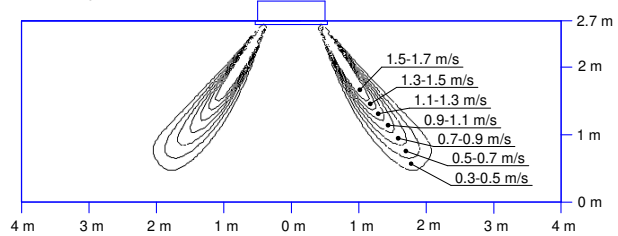
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



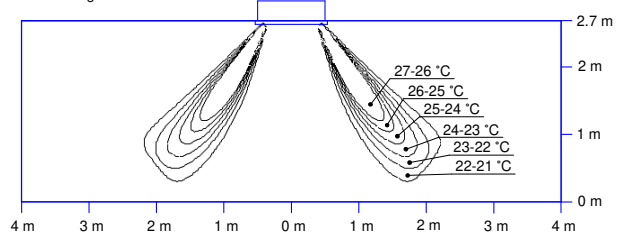
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

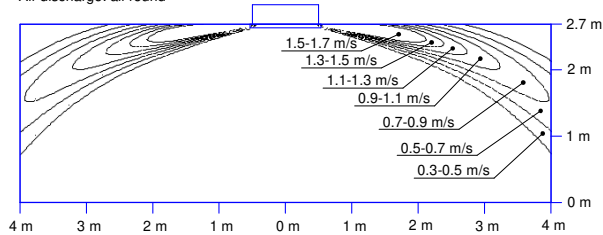


3D121627A

FXFA40A

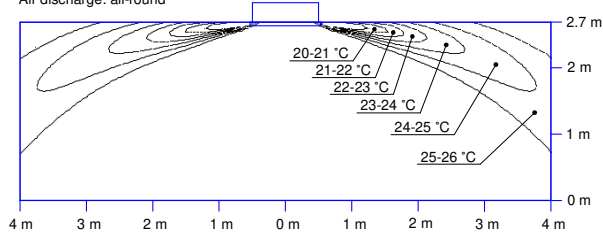
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



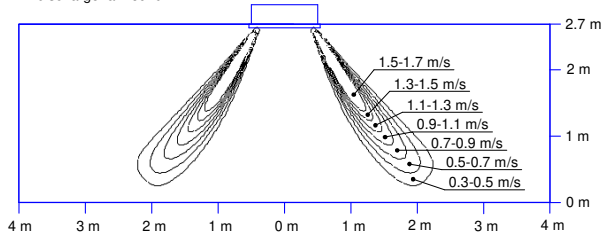
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



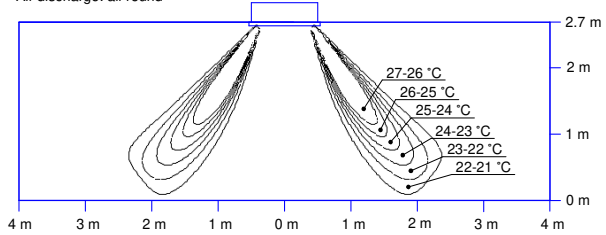
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121620A

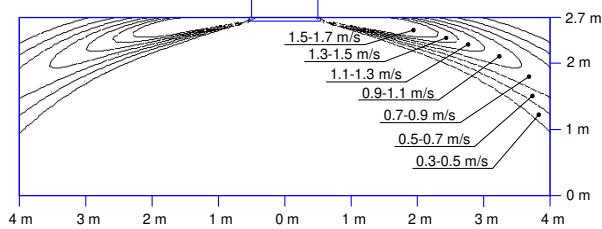
12 Air flow patterns

12 - 1 Air flow pattern - Cooling and Heating

FXFA50A

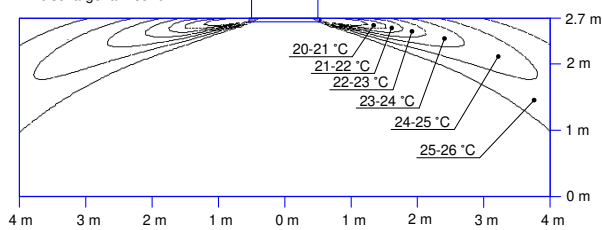
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



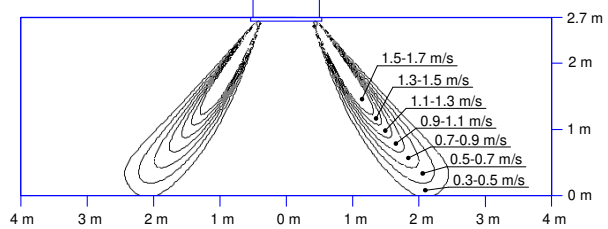
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



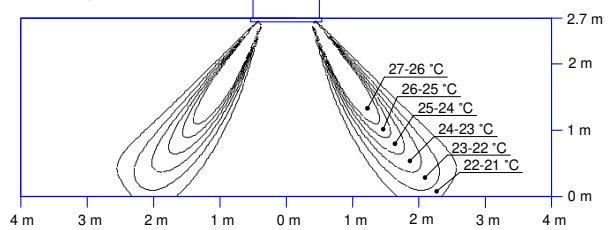
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

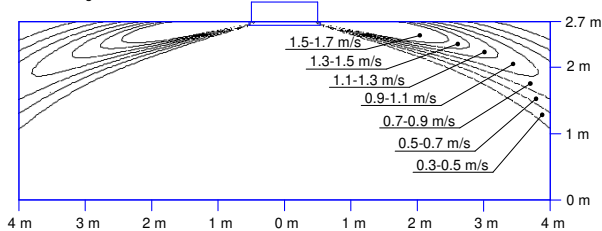


3D121621A

FXFA63A

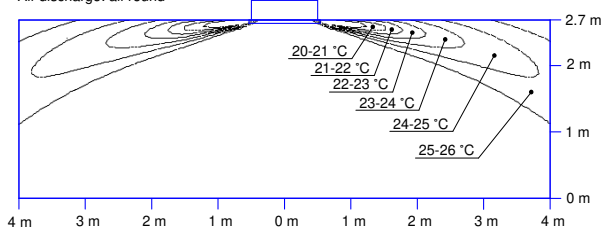
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



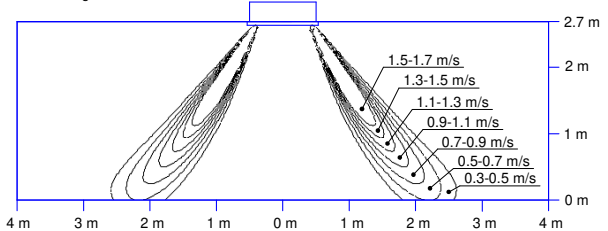
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



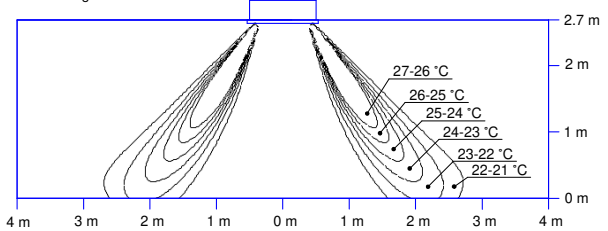
Air velocity distribution (heating)

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

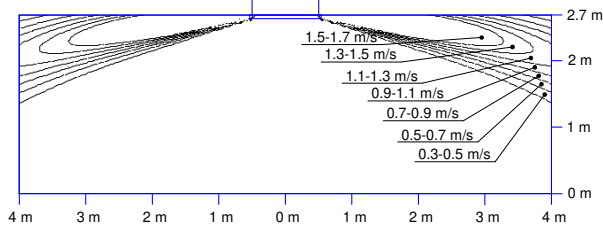
12 - 1 Air flow pattern - Cooling and Heating

12

FXFA80A

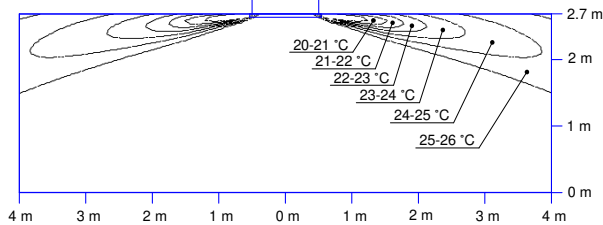
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



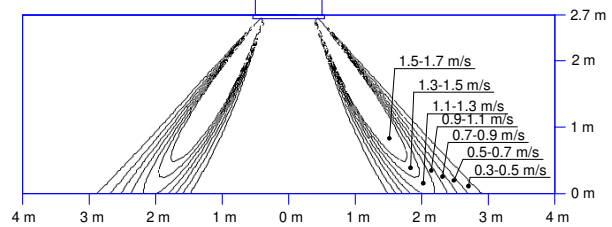
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



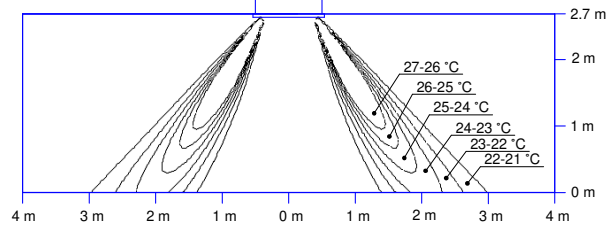
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

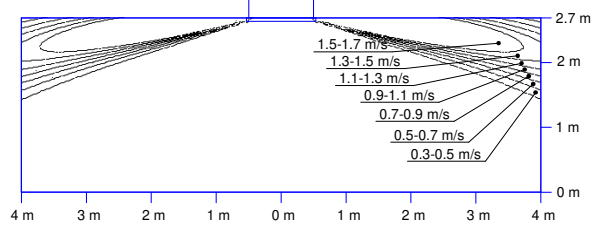


3D121622A

FXFA100A

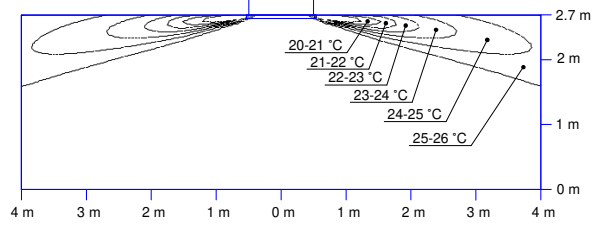
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



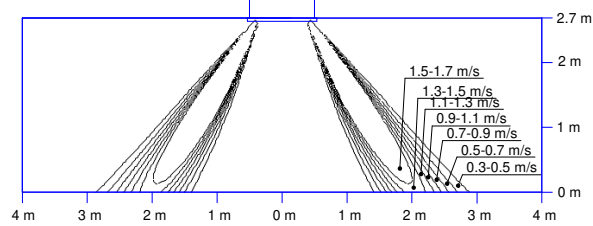
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



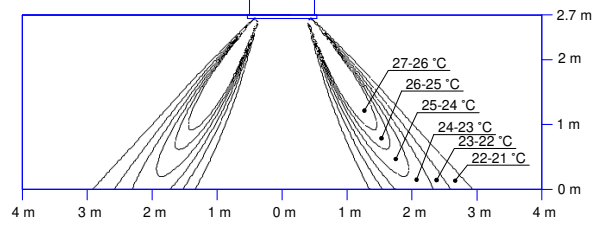
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121629A

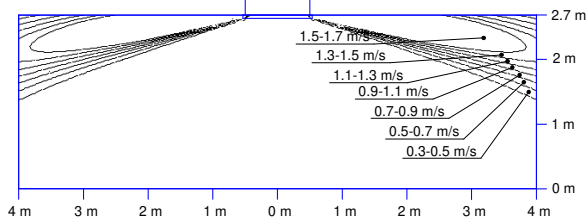
12 Air flow patterns

12 - 1 Air flow pattern - Cooling and Heating

FXFA125A

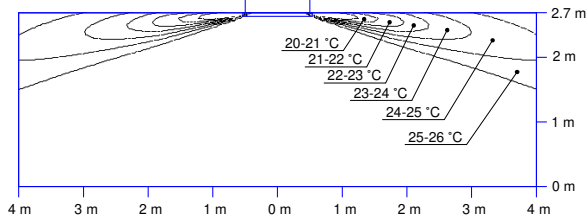
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



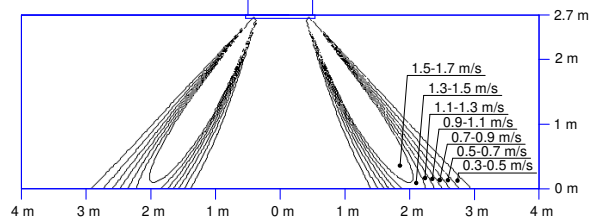
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



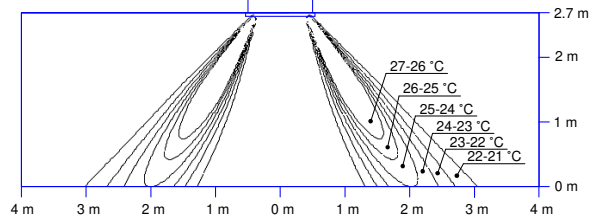
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round

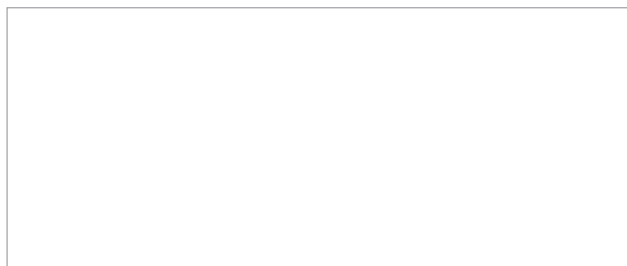


Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121630A



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05/2022



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