

Round flow cassette

Air Conditioning Technical Data

FXFA-A



FXFA20A2VEB
FXFA25A2VEB
FXFA32A2VEB
FXFA40A2VEB
FXFA50A2VEB
FXFA63A2VEB
FXFA80A2VEB
FXFA100A2VEB
FXFA125A2VEB

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1 Features

1 - 1 FXFA-A

- › 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
- › UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), odours, allergens, etc ensuring a healthy and hygienic indoor environment
- › Optional fresh air intake
- › Standard drain pump with 675mm lift increases flexibility and installation speed



Onecta app
(optional)



Presence &
floor sensor



Home leave
operation



Fan only



Auto-cleaning
filter



Draught
prevention



Auto cooling-
heating
changeover



Whisper quiet



Ceiling soiling
prevention



Individual flap
control



Vertical auto
swing



Fan speed
steps



Dry
programme



UV Streamer
kit



Air filter



Weekly timer



Infrared
remote
control



Wired remote
control



Centralised
control



Auto-restart



Self diagnosis



Multi tenant



Drain pump
kit

2 Specifications

2 - 1 Specifications

Technical specifications				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	1.2						
	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

2 - 1 Specifications

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								
Piping connections	Liquid	Type	Flare connection							
		OD	mm	6						
	Gas	Type	Flare connection							
		OD	mm	9.52			12.7			
	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								
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							

2 Specifications

2 - 1 Specifications

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)
Power input - 60Hz	Cooling	At high fan speed	kW	0.045 (1)	0.078 (1)	0.103 (1)
	Heating	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	1.2		
	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

2 - 1 Specifications

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	dBA	55.0	60.0	61.0	
Sound pressure level	Cooling	At high fan speed	dBA	38.0	43.0	45.0	
		At medium high fan speed	dBA	36.0	41.0	43.0	
		At medium fan speed	dBA	34.0	37.0	41.0	
		At medium low fan speed	dBA	32.0	34.0	39.0	
		At low fan speed	dBA	30.0		36.0	
		Heating	At high fan speed	dBA	38.0	43.0	45.0
	At medium high fan speed		dBA	36.0	41.0	43.0	
	At medium fan speed		dBA	34.0	37.0	41.0	
	At medium low fan speed		dBA	32.0	34.0	39.0	
	At low fan speed	dBA	30.0		36.0		
Fan motor	Quantity				1		
	Speed	Steps			5		
Refrigerant	Type				R-32		
	GWP				675		
Piping connections	Liquid	Type	Flare connection				
		OD	mm	6	10		
	Gas	Type	Flare connection				
		OD	mm	12.7	15.9		
	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		
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: Washer for hanger bracket;Quantity: 8;

2 Specifications

2 - 1 Specifications

Standard accessories: Wire clamp material;Quantity: 7;

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

Standard accessories: Clamps;Quantity: 1;

Standard accessories: Drain hose;Quantity: 1;

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

Standard accessories: Installation guide;Quantity: 1;

Standard accessories: Insulation for fitting;Quantity: 2;

Standard accessories: Screws;Quantity: 4;

Standard accessories: Sealing pads;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. |

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

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

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

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

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

(7)MCA/MFA: MCA = 1.1 x FLA |

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

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

(10)BYCQ140E2W1: pure white standard panel with grey louvers; BYCQ140E2WIW: pure white standard panel with white louvers; BYCQ140E2W1B: black standard panel with black louvers. |

(11)The BYCQ140E2WIW 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 BYCQ140E2WIW decoration panel in environments exposed to concentrations of dirt. |

(12)Contains fluorinated greenhouse gases

3 Safety device settings

3 - 1 Safety Device Settings

FXFA-A

Safety devices		FXFQ20-63BVEB FXFA20-63A2VEB	FXFQ80-125BVEB FXFA80-125A2VEB FXFN50-112A2VEB FXFN40-80B2VEB
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		---	---

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Options

Options

FXFA-A

Option kit		Product name	Availability
Decoration panel	Standard	BYCQ140E2W1	✓
	White	BYCQ140E2W1W ②	✓
	Black	BYCQ140E2W1B ②	✓
Designer decoration panel		BYCQ140E2P ⑦	✓
Designer decoration panel	Black	BYCQ140E2PB ⑦	✓
Self-cleaning decoration panel (with fine filter)		BYCQ140E2GFW1 ③④⑤⑦	✓
Self-cleaning decoration panel (with fine filter)	Black	BYCQ140E2GFW1B ③④⑤⑦	✓
Air discharge outlet sealing member		KDBHQ56B140 ⑥⑦	✓
Sensor kit		BRQ140B8 ⑧	✓
Sensor kit	Black	BRQ140B8B ⑨	✓
Sensor kit (for designer decoration panel)		BRQ140C8 ⑩	✓
Sensor kit (for designer decoration panel)	Black	BRQ140C8B ⑩	✓
Wireless remote control		BRC7FA532F ⑥⑩⑪⑫	✓
Wireless remote control	Black	BRC7FA532FB ⑥⑪⑫	✓
Wireless remote control (for designer decoration panel)		BRC7FB532F ⑥⑬⑭⑮	✓
Wireless remote control (for designer decoration panel)	Black	BRC7FB532FB ⑥⑬⑭⑮	✓
WLAN adaptor for smartphones		BRP069C51 ⑭	✓
Wired remote control		BRC1H52/82W7/57/K7 ①	✓
Intelligent Tablet Controller		DCC601A51 ⑭	✓
Intelligent touch controller		DCS601C51 ⑭⑮	✓
Central remote control		DCS302CA51 ⑭⑮⑯	✓
		DCS302CA61 ⑭⑮⑯	✓
		DCS301BA51 ⑭⑮⑯	✓
Unified ON/OFF controller		DCS301BA61 ⑭⑮⑯	✓
Intelligent Touch Manager		DCM601B51 ⑭	✓
UV streamer kit	UV streamer kit	BAEF125AWB ⑬⑭	✓
	Replacement air filter (part of UV streamer kit)	BAF55A125 ⑬⑭	✓
High-efficiency filter	·1· filter(s) in the box	BAF552AA160 ⑭⑮	✓
	·5· filter(s) in the box	BAF552AA160-5 ⑭⑮	✓
	·10· filter(s) in the box	BAF552AA160-10 ⑭⑮	✓
Long-life replacement filter		KAF551D160 ⑭	✓
External wired temperature sensor		KRC501-5B	✓
Wire harness for external wireless temperature sensor		EKEWTSC-2 ⑮	✓
Adapter with ·2· output signals		KRP1BA58 ⑥⑬	✓
Adapter with ·4· output signals		EKR1C12 ⑥⑬	✓
Adapter for centralised external monitoring/ control via dry contacts and setpoint control via ·0-·140·Ω (for dedicated indoors)		KRP4AA53 ⑥⑬	✓
Adapter for external central monitoring/control (controls 1 entire system)		KRP2A526 ⑥⑬	✓
Adapter for keypad and/or window contact connection		BRP7A53 ⑬⑭	✓
PCB for multi-tenant indoor units		DTA114A61-9 ⑥⑫⑯	✓
External adaptor for outdoor unit (installation on indoor unit)		DTA104A52 ⑬⑯	✓
		DTA104A62 ⑬⑯	✓
Installation box for adaptor PCB		KRP1K98A ⑥	✓
Installation box for adaptor PCB		KRP1BC101	✓
Electrical box with earth terminal (·2· blocks)		KJB212AA	✓
Electrical box with earth terminal (·3· blocks)		KJB311AA	✓
Electrical box with earth terminal (·4· blocks)		KJB411A	✓
Optional output PCB		ERP01A51 ⑯	✓
Chamber [part of fresh air intake kit (·20·% fresh air)]		KDDP55C160-1 ⑥⑦⑯	✓
Diffuser from chamber to duct [part of fresh air intake kit (·20·% fresh air)]		KDDP55D160-2 ⑥⑦⑯	✓

Notes

- ① Mandatory option
- 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 ·BRC1H52/82· 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· or ·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 ·KRP1K98A·.
- ⑭ Only possible in combination with remote control ·BRC1H52/82·.
- 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 Option cannot be combined with ·BYCQ140E2W1B, BYCQ140E2PB, BYCQ140E2GFW1, BYCQ140E2GFW1B, KAF551D160, KDDP55C160-1, KDDP55D160-2, KDBHQ56B140, BAF552AA160, BAF552AA160-5, BAF552AA160-10·.
- ⑳ Option cannot be combined with ·BYCQ140E2P, BYCQ140E2PB, BYCQ140E2GFW1, BYCQ140E2GFW1B, KAF551D160, KDDP55C160-1, KDDP55D160-2, KDBHQ56B140, BAEF125AWB, BAF55A125·.
- ㉑ Option cannot be combined with ·BAEF125AWB, BAF55A125, BAF552AA160, BAF552AA160-5, BAF552AA160-10·.
- ㉒ Option cannot be combined with ·BAEF125AWB, BAF55A125·.
- ㉓ Do NOT install in places that require a high ceiling mode setting and 2/3 way blow mode setting of the indoor unit.
- ㉔ Requires installation box ·KJB212AA·.
- ㉕ Requires installation box ·KJB311AA·.
- ㉖ Requires installation box ·KJB411A·.
- ㉗ This option cannot be combined with ·RXYS4A/5/6A7V1B· or ·RXYS4A/5/6A7Y1B·.
- ㉘ Language pack ·English·
- ㉙ Language pack ·English, German, French, Dutch, Spanish, Italian, Greek, Portuguese·

3D128835J

5 Capacity tables

5 - 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	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

5 Capacity tables

5 - 2 Heating Capacity Tables

FXFA-A

5

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

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6 Dimensional drawings

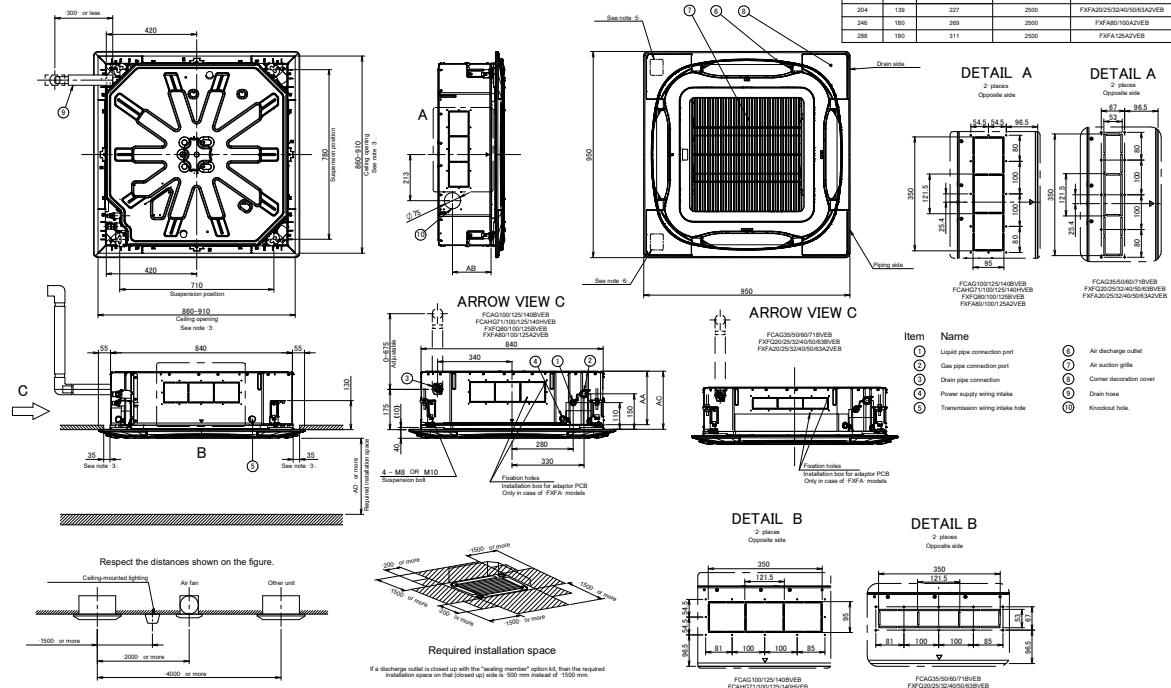
6 - 1 Dimensional Drawings with Accessories

FXFA-A

Decoration panel - Standard

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 induced 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.



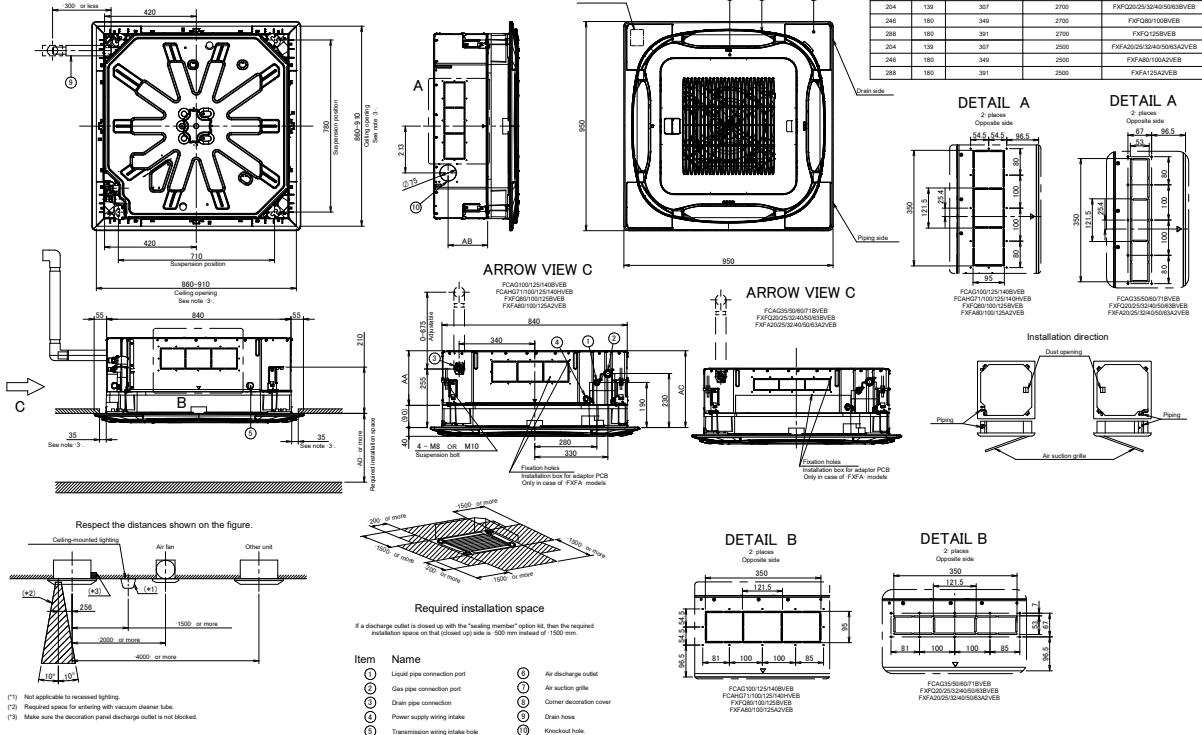
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FXFA-A

Self-cleaning decoration panel

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 induced 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.



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6 Dimensional drawings

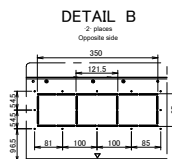
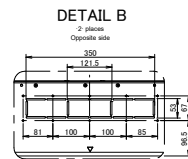
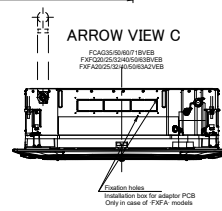
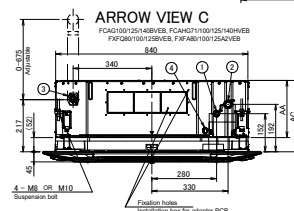
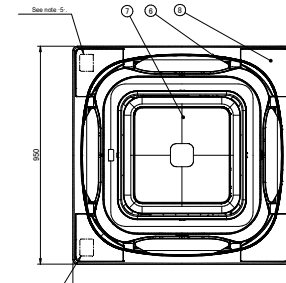
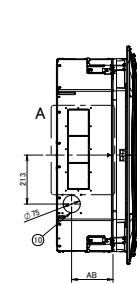
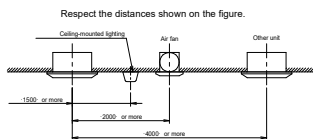
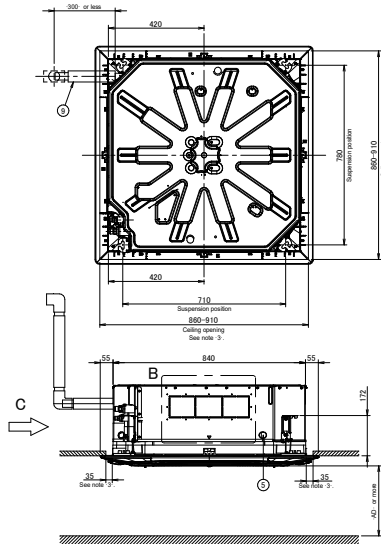
6 - 1 Dimensional Drawings with Accessories

FXFA-A

Designer decoration panel

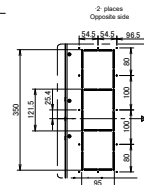
Notes

1. Location of nameplate
The air 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 introduced 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.

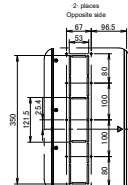


Cassette height		Minimal installation height		Required installation space		Model
AA	AB	AC	AD			
254	139	289	2700			FCAG35/50/60/71BVEB
246	180	311	2700			FCAG100/125/140BVEB
288	180	353	2700			FCAG100/125/140BVEB
254	139	289	2700			FXFG20/25/32/40/50/63BVEB
246	180	311	2700			FXFG80/100BVEB
288	180	353	2700			FXFG125BVEB
254	139	289	2500			FXFA20/25/32/40/50/63A2VEB
246	180	311	2500			FXFA80/100A2VEB
288	180	353	2500			FXFA125A2VEB

DETAIL A

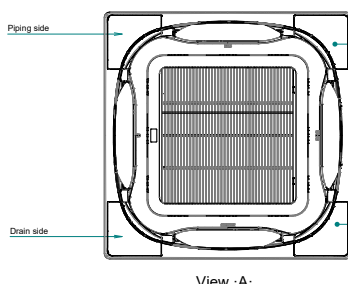
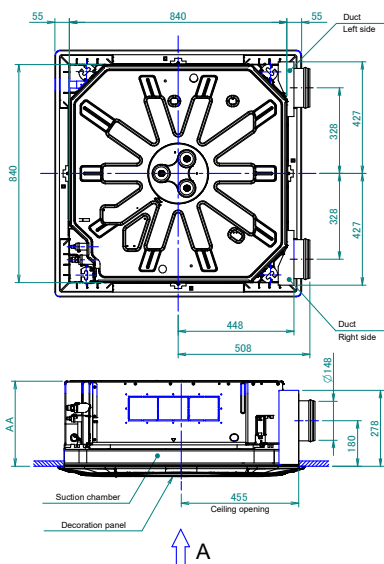


DETAIL A

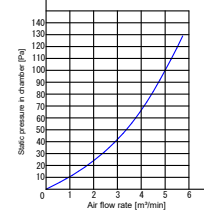


- | Item | Name |
|------|---------------------------------|
| ① | Liquid pipe connection port |
| ② | Gas pipe connection port |
| ③ | Drain pipe connection |
| ④ | Power supply wiring intake |
| ⑤ | Transmission wiring intake hole |
| ⑥ | Air discharge outlet |
| ⑦ | Flat grille assembly |
| ⑧ | Corner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

FXFA-A FRESH AIR INLET KIT



Minimal installation height		Model name
AA	AB	
277	319	FCAG35/50/60/71BVEB
		FXFG20/25/32/40/50/63BVEB
		FXFA20/25/32/40/50/63A2VEB
		FCAG100/125/140BVEB
		FXFG80/100BVEB
		FXFA80/100A2VEB
		FXFN50/71A2VEB
		FXFN40/50/63B2VEB
		FCAG100/125/140HVEB
		FXFG125BVEB
		FXFA125A2VEB
		FXFN112A2VEB
		FXFN80B2VEB



Notes

1. When installing a fresh air intake kit, provide a service access panel.
2. Field construction
3. This corner discharge outlet needs to be closed.
4. When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
5. The intake air flow rate is recommended to be 20% of the air flow rate at high 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.
6. This indicates the distance between the T-joint inlet and the indoor unit inlet when the T-tube is connected.

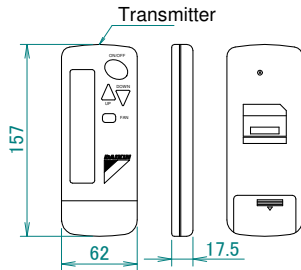
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6 Dimensional drawings

6 - 1 Dimensional Drawings with Accessories

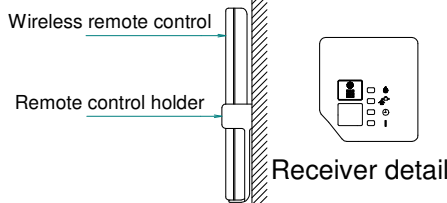
FXFA-A

Remote control dimensions

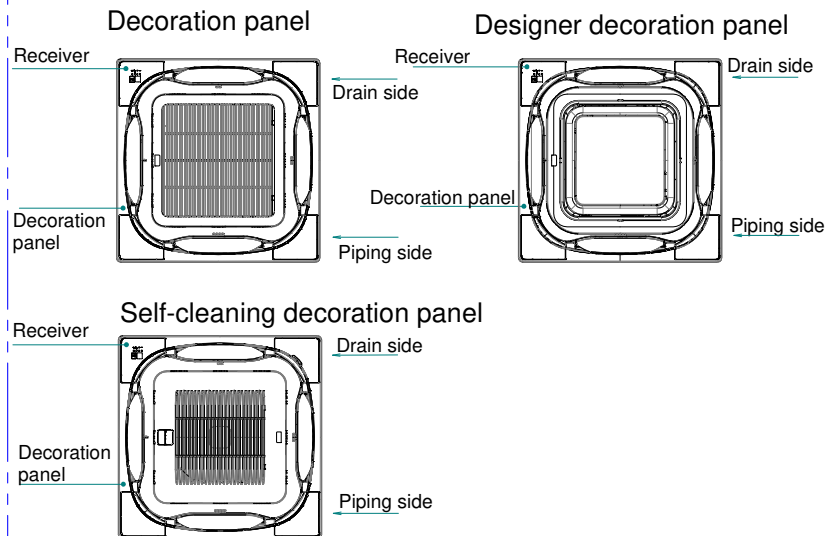


Remote control holder

Installation methods
Installation to wall surface



Installation methods

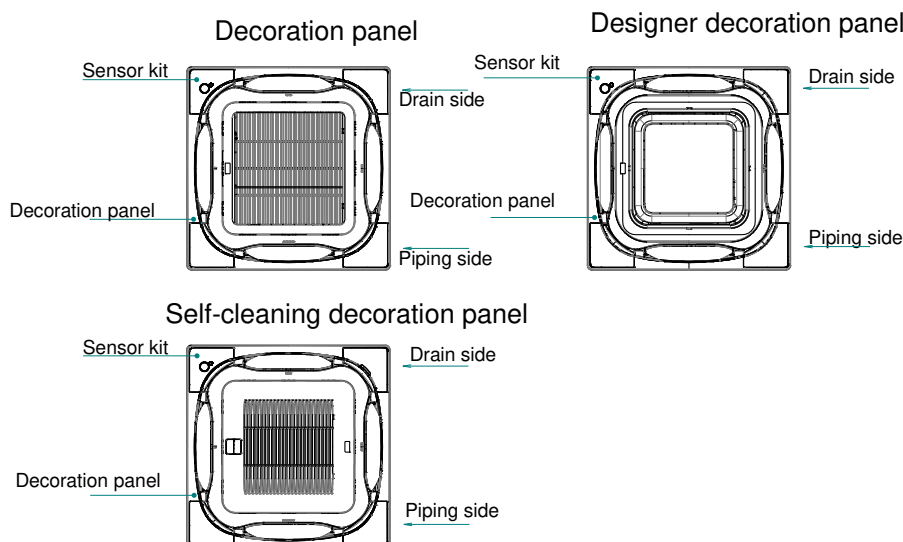


Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRC7FA532F
	BYCQ140E2W1B	BRC7FA532FB
Self-cleaning decoration panel	BYCQ140E2GFW1	BRC7FA532F
	BYCQ140E2GFW1B	BRC7FA532FB
Designer decoration panel	BYCQ140E2P	BRC7FB532F
	BYCQ140E2PB	BRC7FB532FB

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FXFA-A

Installation methods



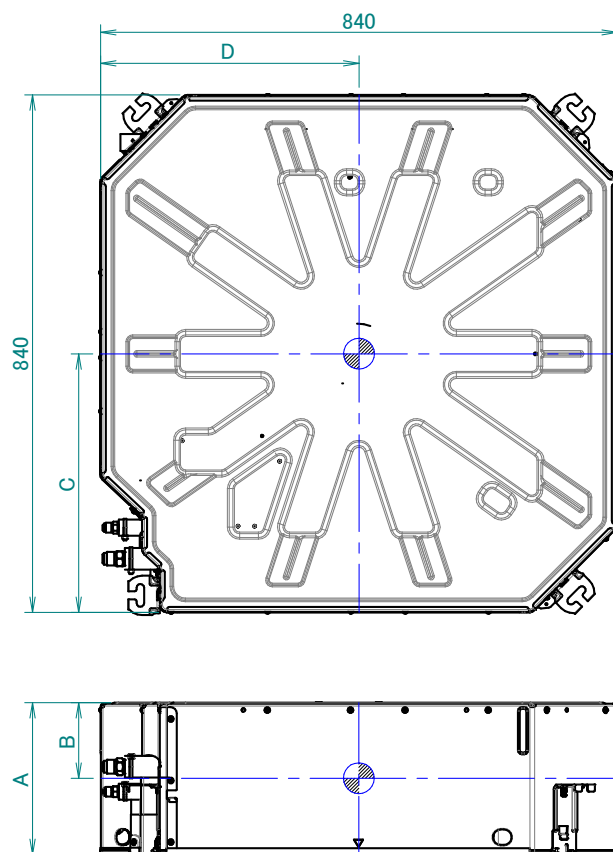
Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRYQ140B8
	BYCQ140E2W1B	BRYQ140B8B
Self-cleaning decoration panel	BYCQ140E2GFW1	BRYQ140B8
	BYCQ140E2GFW1B	BRYQ140B8B
Designer decoration panel	BYCQ140E2P	BRYQ140C8
	BYCQ140E2PB	BRYQ140C8B

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7 Centre of gravity

7 - 1 Centre of Gravity

FXFA-A



Model	A	B	C	D
FCAG35~71BVEB	204	70	400	405
FCAG100~140BVEB	246	100	400	405
FCAG71~140HVEB	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, FXFN40~63B2VEB	246	113	408	412
FXFN112A2VEB, FXFN80B2VEB	288	120	403	415

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8 Piping diagrams

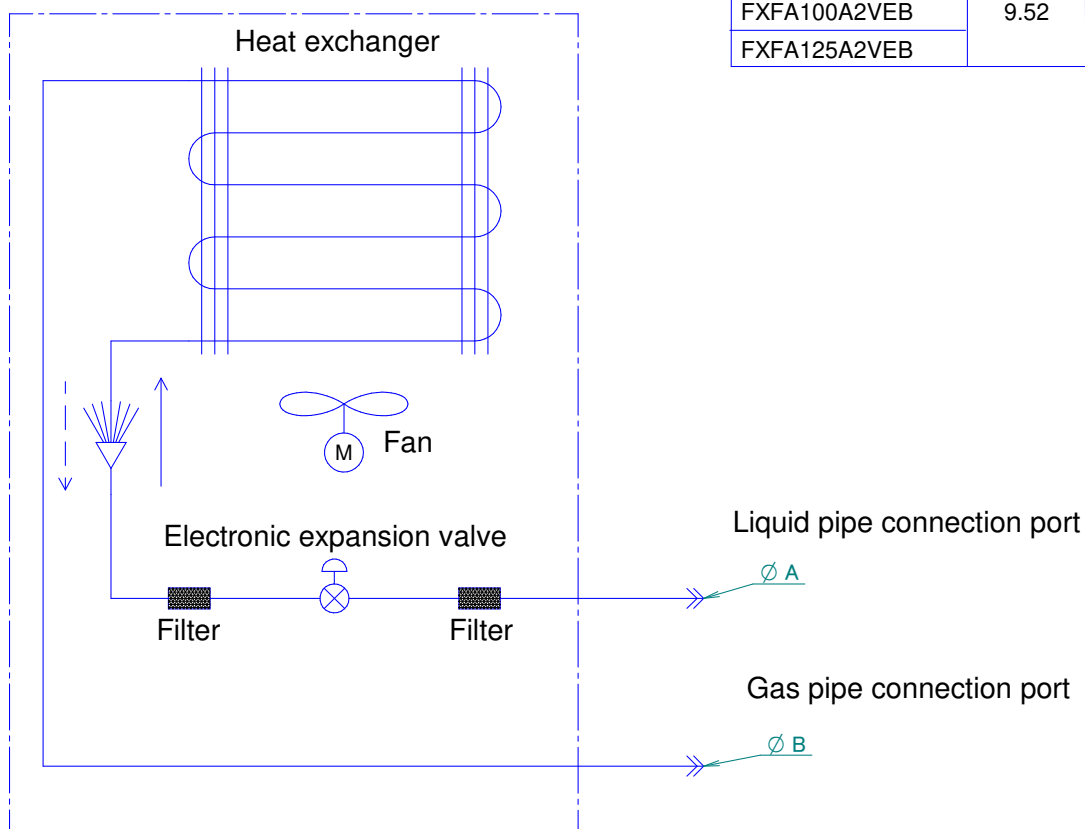
8 - 1 Piping Diagrams

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		

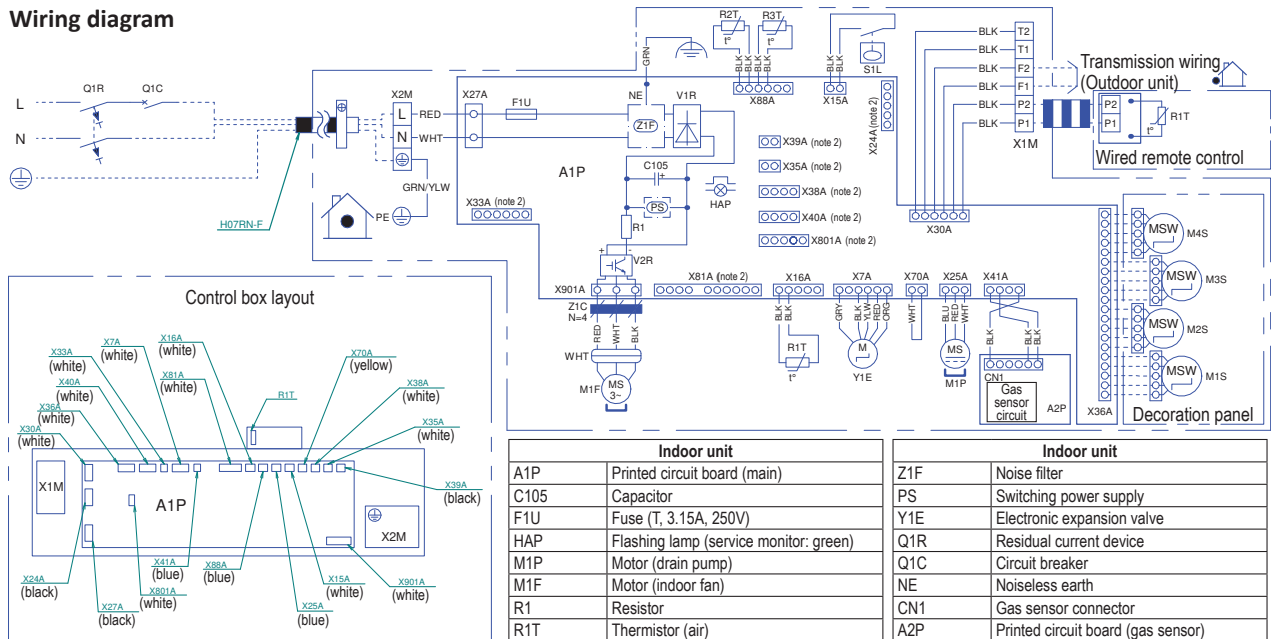
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9 Wiring diagrams

9 - 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

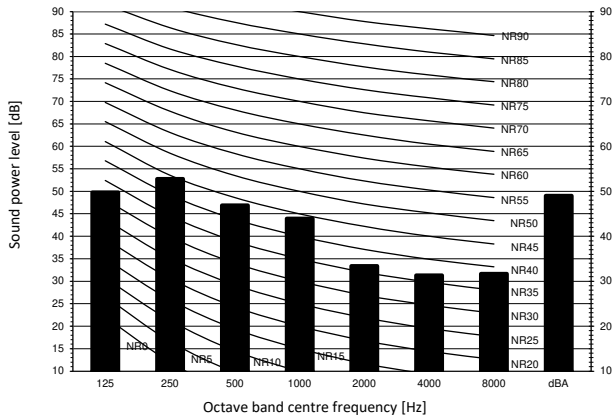
10 Sound data

10 - 1 Sound Power Spectrum

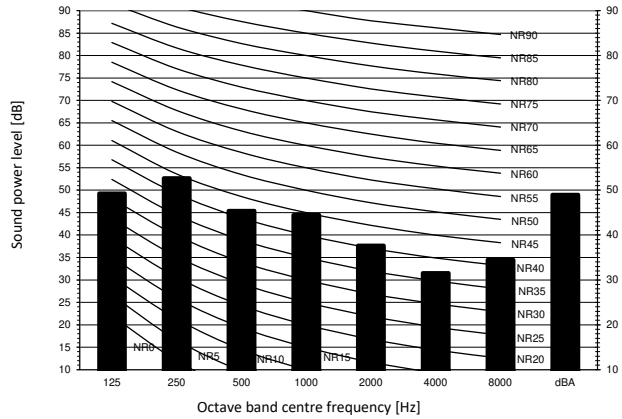
FXFA20-32A

10

Cooling mode



Heating mode



Notes

Fan speed

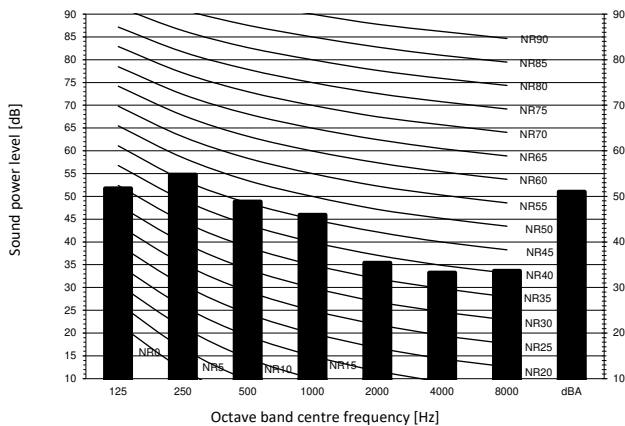
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 10^{-6} W
3. Measured according to ISO 3744

High

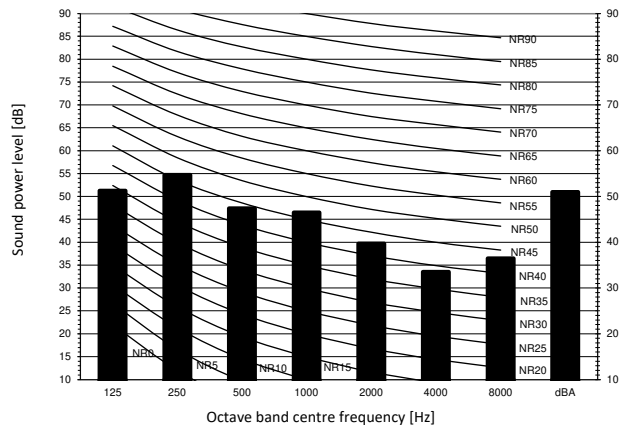
3D131809

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

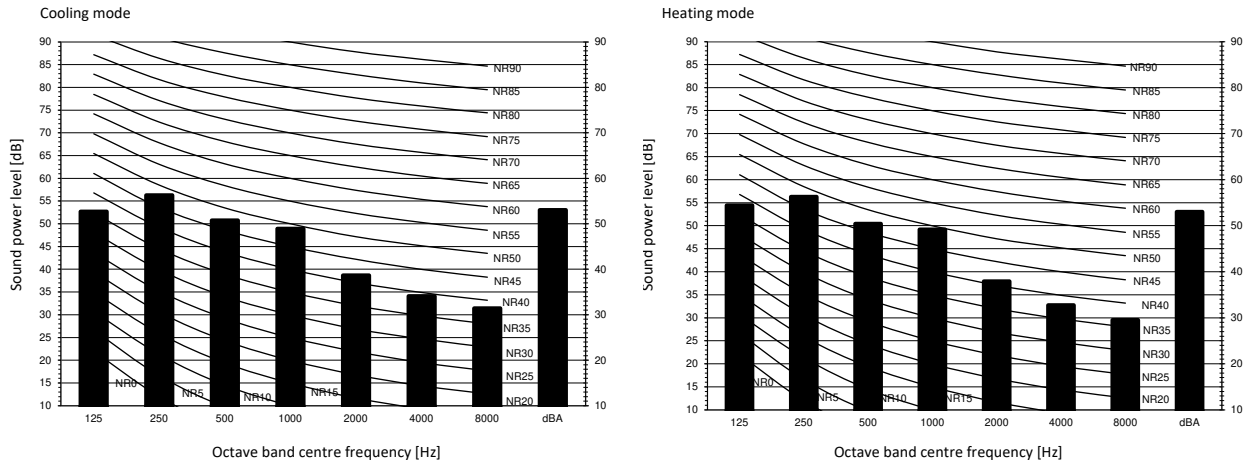
High

3D131810

10 Sound data

10 - 1 Sound Power Spectrum

FXFA63A



Notes

Fan speed

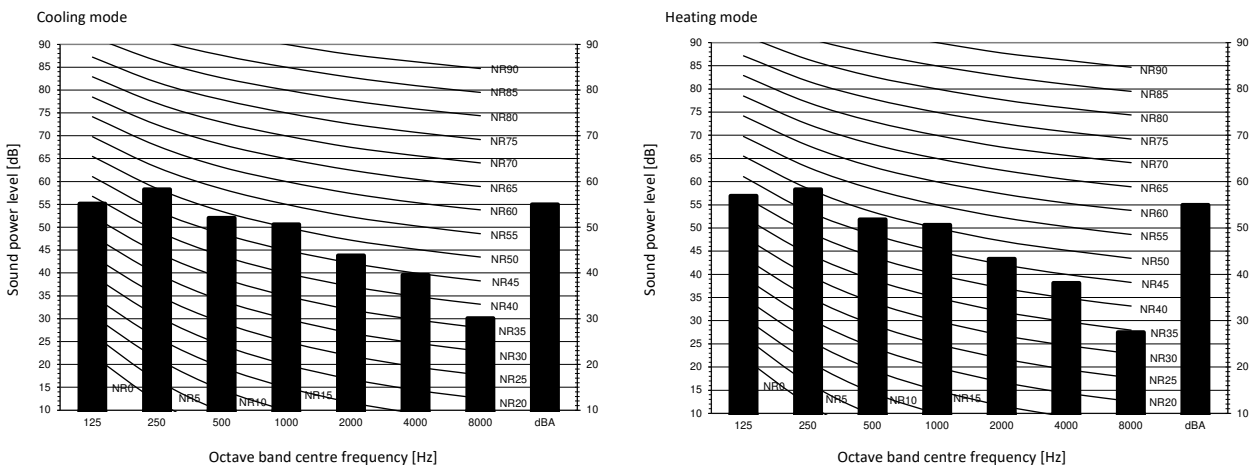


High

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

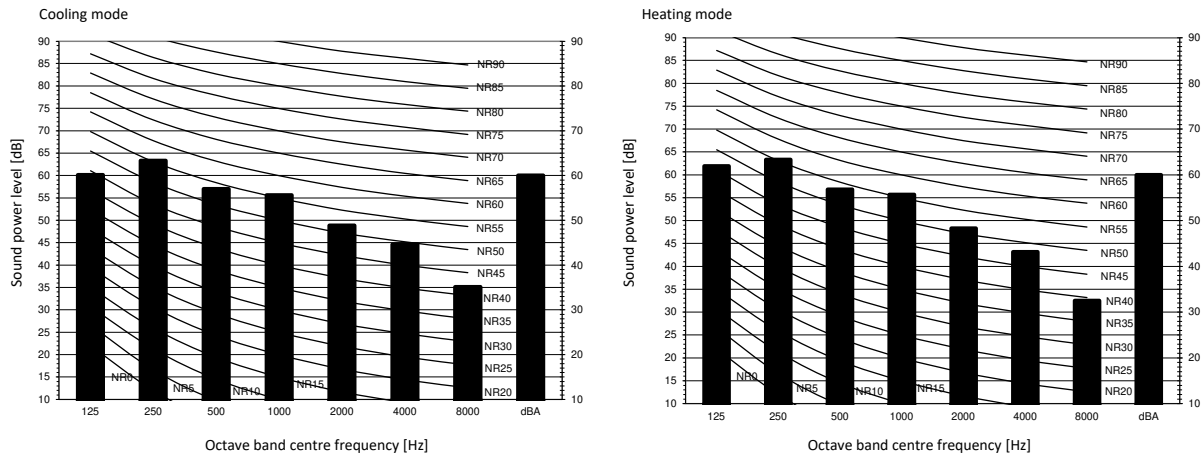
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = $-10E-6 \mu W$
3. Measured according to ISO 3744

3D131812

10 Sound data

10 - 1 Sound Power Spectrum

FXFA100A



Notes

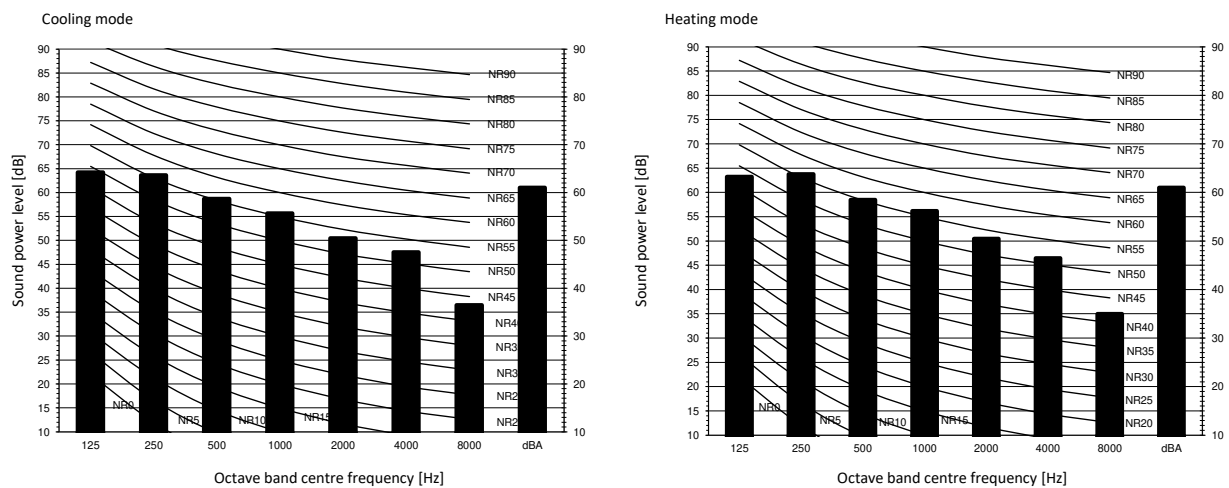
Fan speed



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

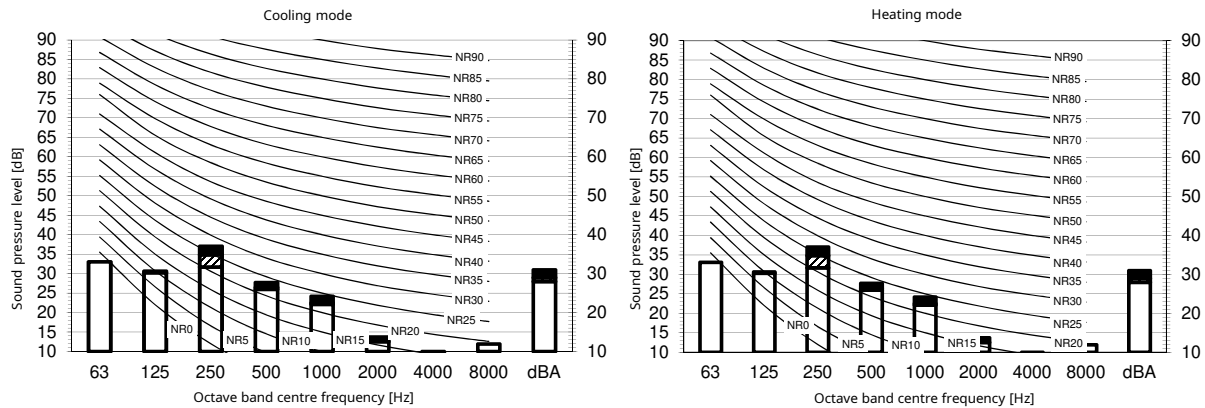
3D131814

10 Sound data

10 - 2 Sound Pressure Spectrum

FXFA20A

10

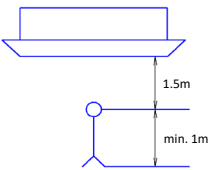


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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

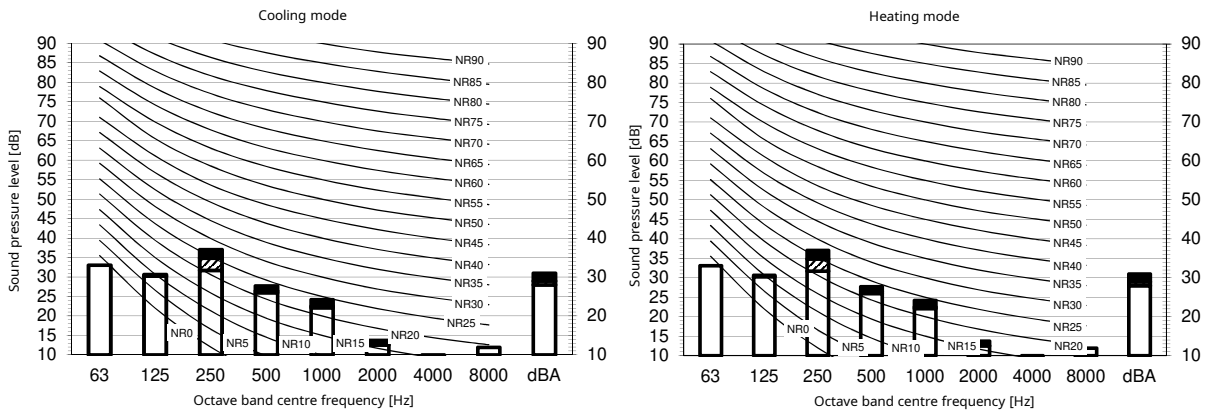
Heating Total dB			
A	B	C	D
dBA	31,0	29,0	28,0

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

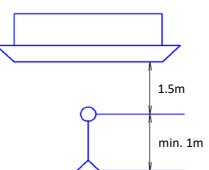


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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

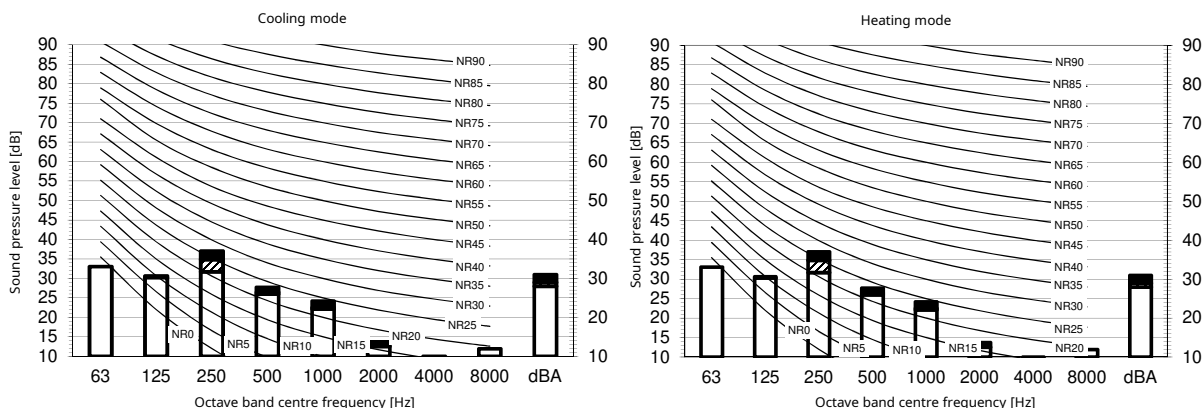
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D121672A

10 Sound data

10 - 2 Sound Pressure Spectrum

FXFA32A



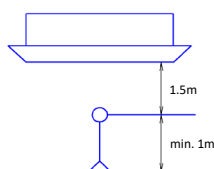
Legend

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

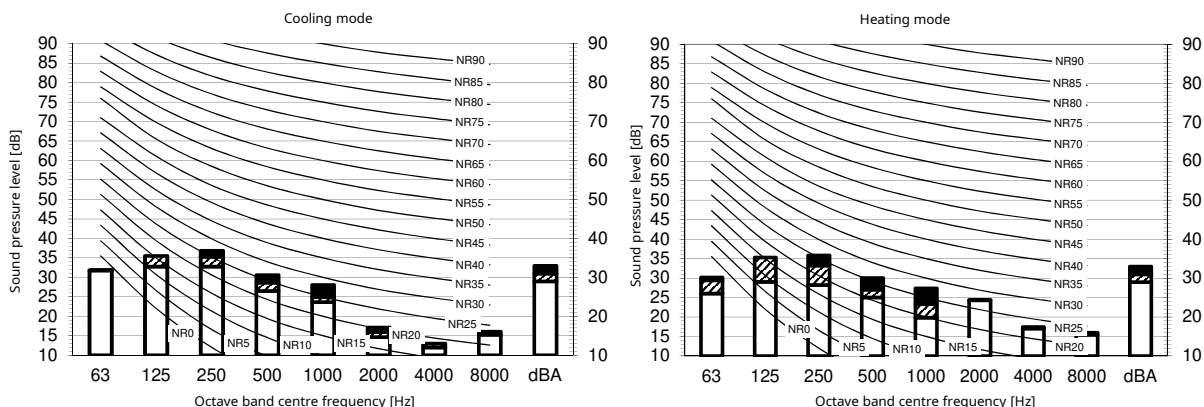
Heating		Total dB	
A	B	C	D
dBA	31,0	29,0	28,0

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



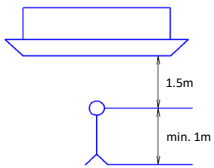
Legend

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

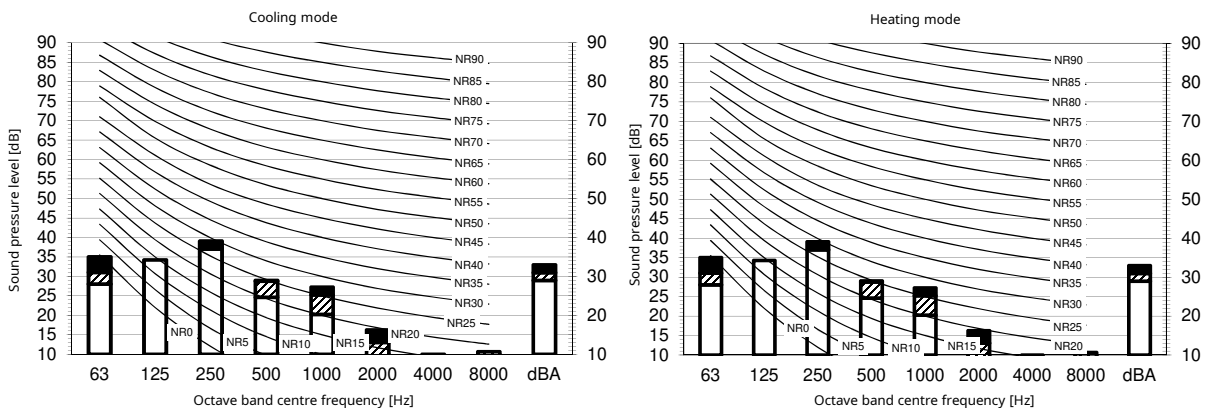
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D121674A

10 Sound data

10 - 2 Sound Pressure Spectrum

FXFA50A



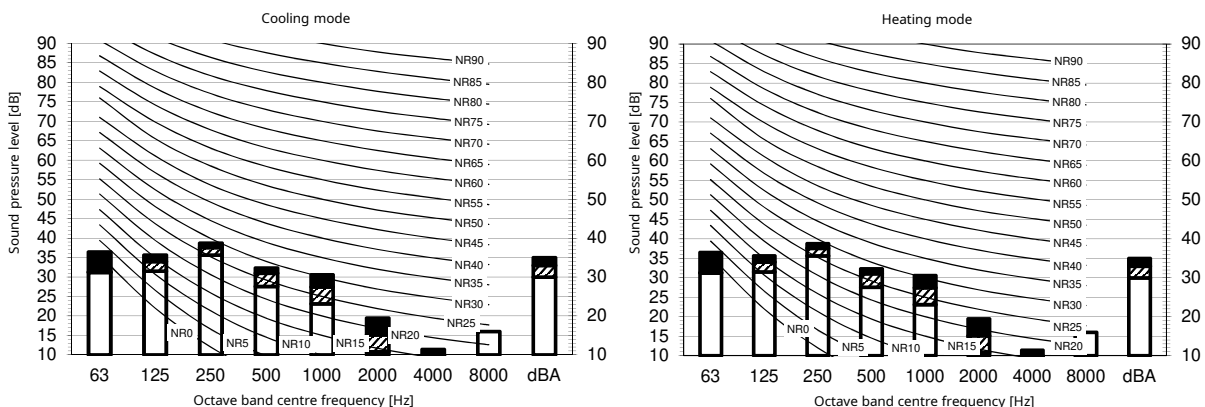
Cooling Total dB			
A	B	C	D
dBA	33,0	31,0	29,0

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



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

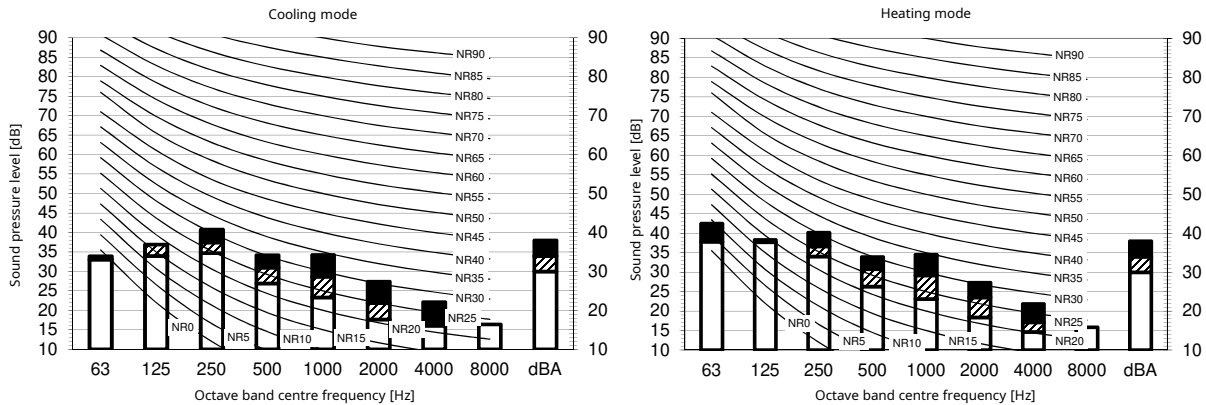
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D121676A

10 Sound data

10 - 2 Sound Pressure Spectrum

FXFA80A



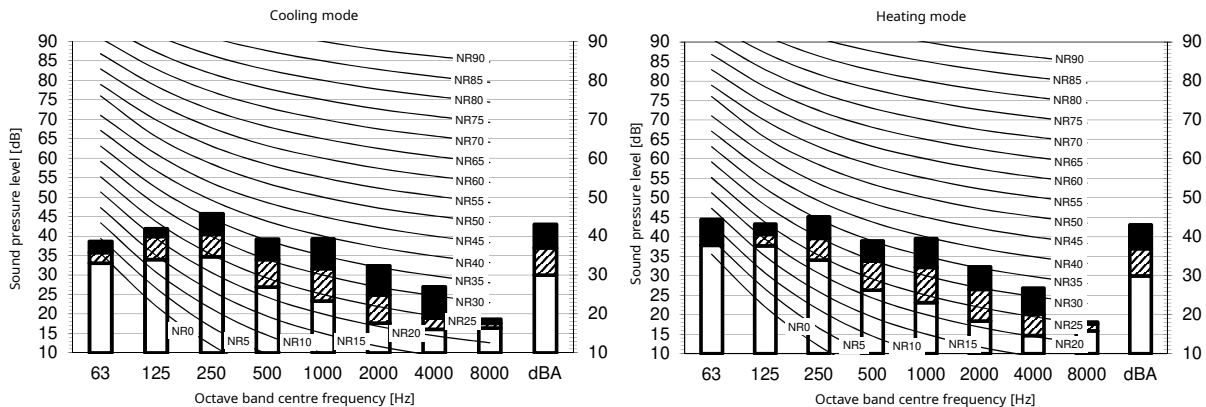
Cooling Total dB			
A	B	C	D
dBA	38,0	34,0	30,0

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

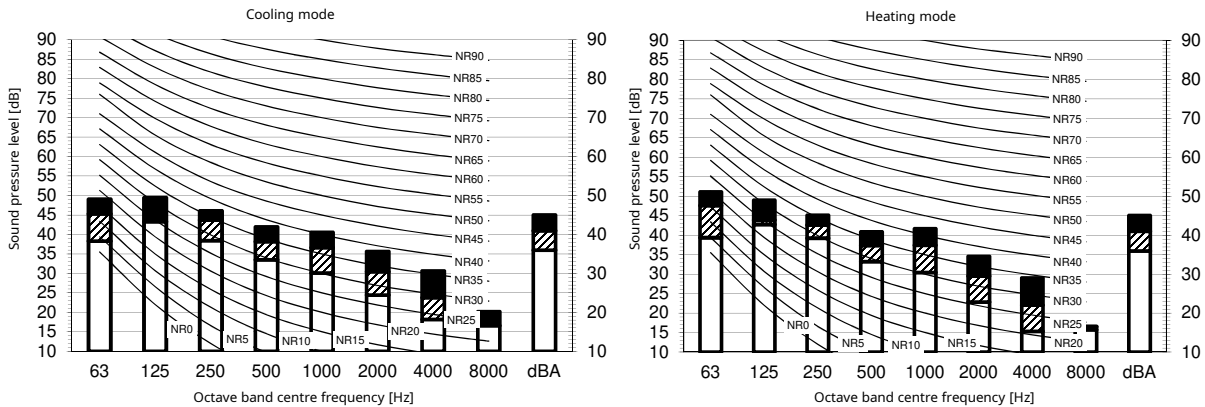
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D121678A

10 Sound data

10 - 2 Sound Pressure Spectrum

FXFA125A



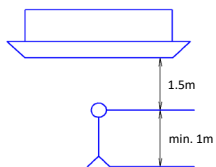
Legend

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

11 Air flow patterns

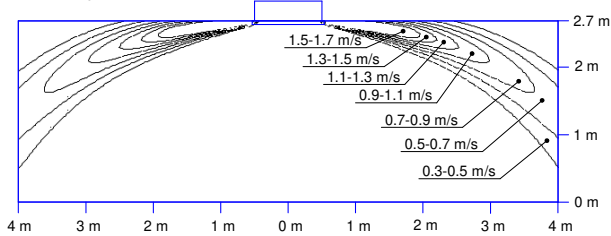
11 - 1 Air flow pattern - Cooling and Heating

11

FXFA20-32A

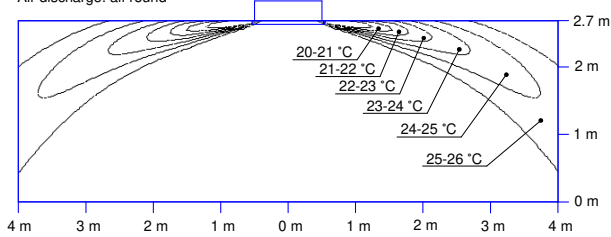
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



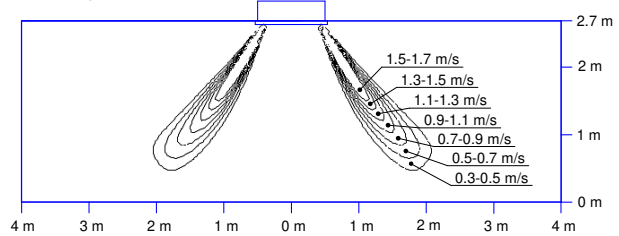
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



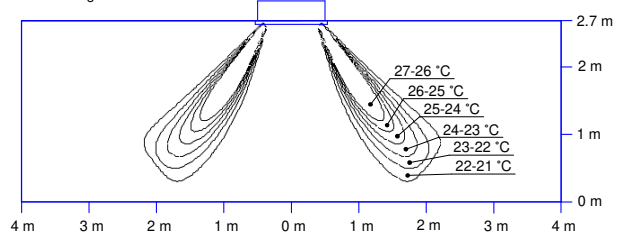
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

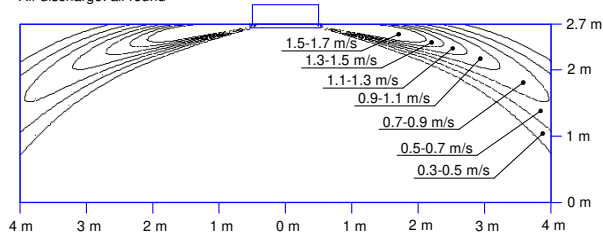


3D121627A

FXFA40A

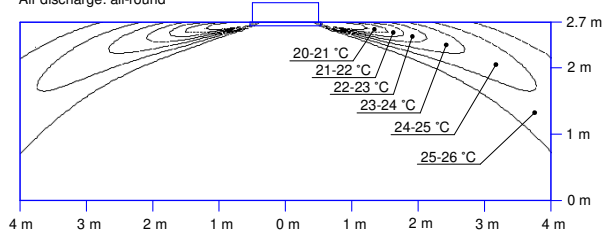
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



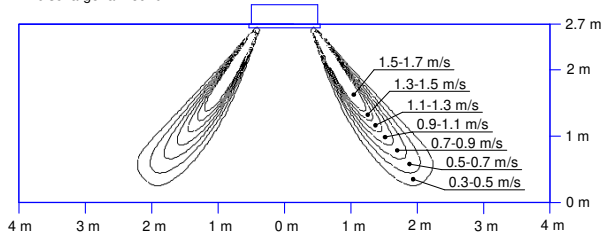
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



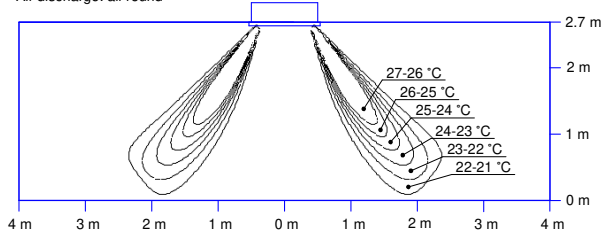
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121620A

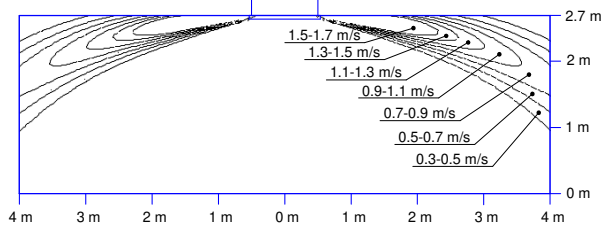
11 Air flow patterns

11 - 1 Air flow pattern - Cooling and Heating

FXFA50A

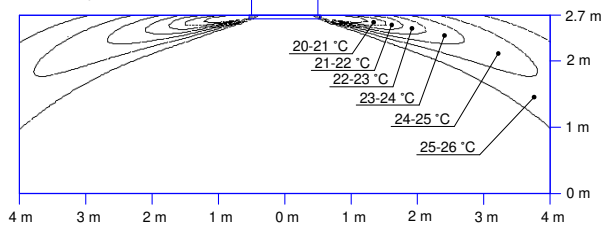
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



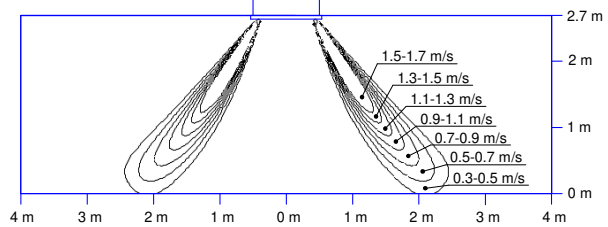
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



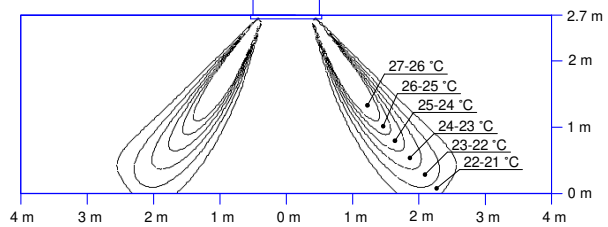
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

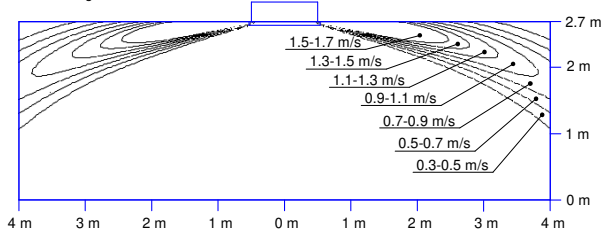


3D121621A

FXFA63A

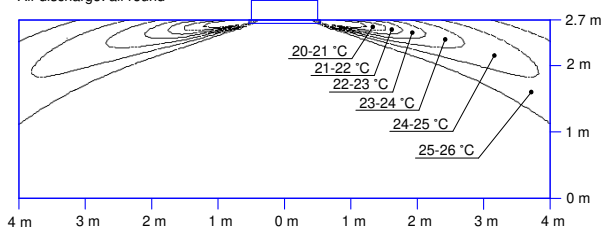
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



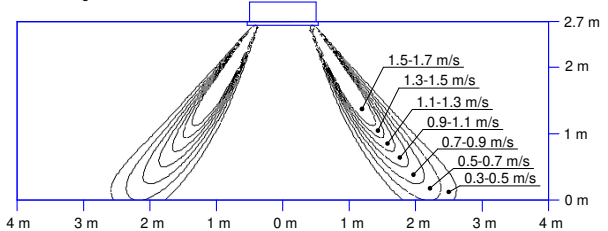
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



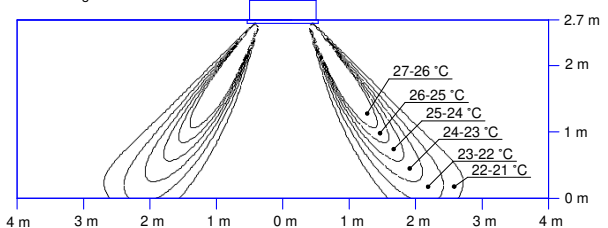
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121628A

11 Air flow patterns

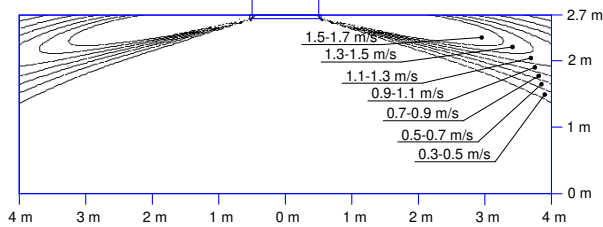
11 - 1 Air flow pattern - Cooling and Heating

11

FXFA80A

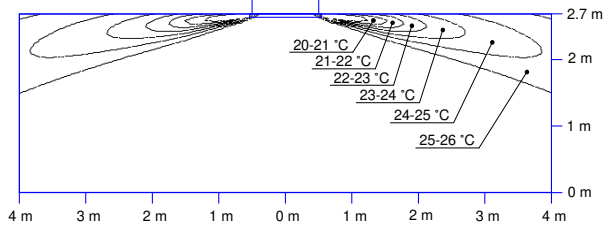
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



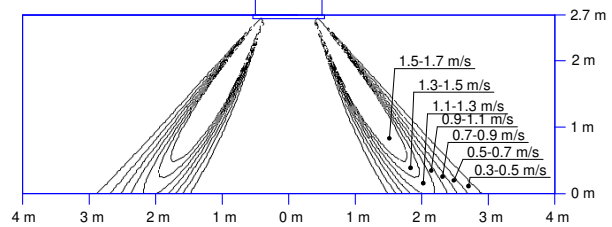
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



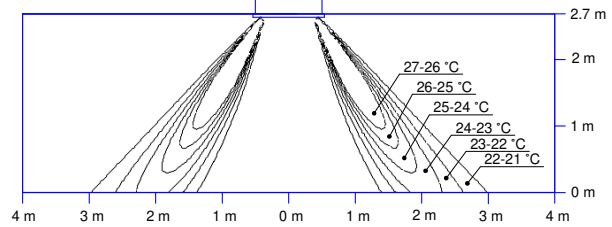
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

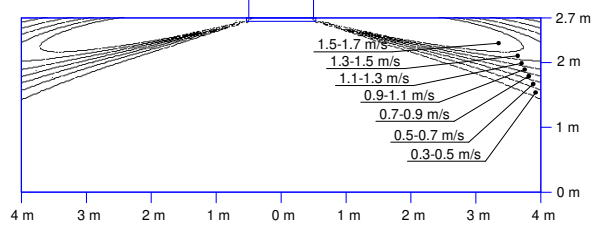


3D121622A

FXFA100A

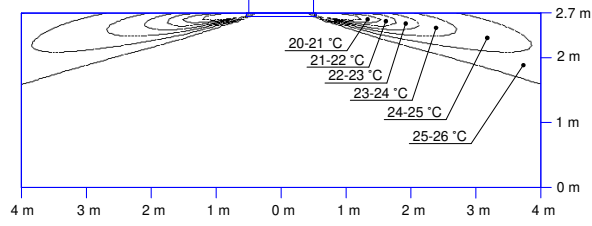
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



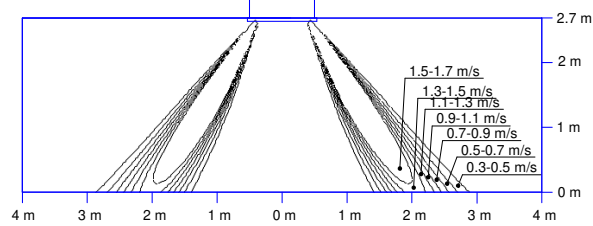
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



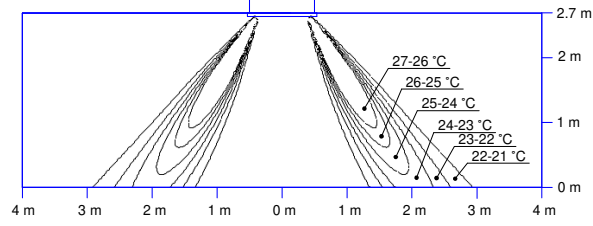
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121629A

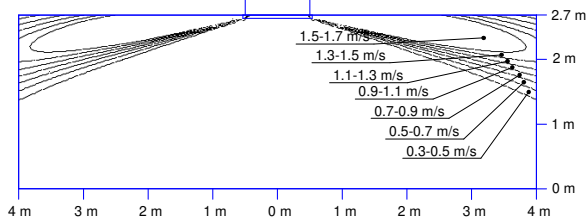
11 Air flow patterns

11 - 1 Air flow pattern - Cooling and Heating

FXFA125A

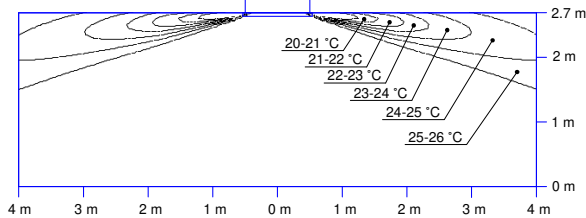
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



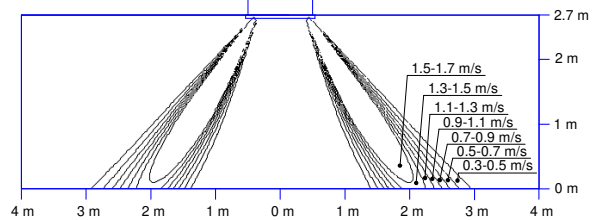
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



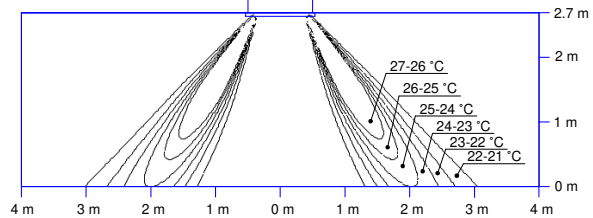
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round

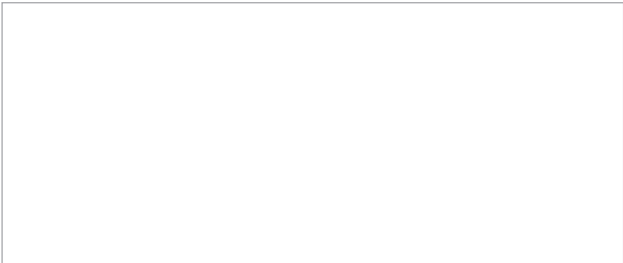


Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121630A



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03/2026



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