



Round flow cassette
Technical data book
FXFA-A



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FXFA-A





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1 Features

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- › Optional fresh air intake
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Optimised design for R-32 refrigerant
- › Lowest installation height in the market: 214mm for class 20-63
- › Bigger flaps and unique swing pattern improve equal air distribution
- › 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
- › Standard drain pump with 675mm lift increases flexibility and installation speed
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!



 INVERTER								
Inverter	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	Air filter	Weekly timer	Infrared remote control	Wired remote control	Centralised control
								
Auto-restart	Self diagnosis	Multi tenant	Drain pump kit					

2 Specifications

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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	
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	0.040			0.050		0.060	
		At medium high fan speed	kW	0.035			0.043		0.048	
		At medium fan speed	kW	0.031		0.030	0.037		0.039	
		At medium low fan speed	kW	0.028		0.026	0.032			
		At low fan speed	kW	0.026		0.023	0.028		0.027	
	Heating	At high fan speed	kW	0.040			0.050		0.060	
		At medium high fan speed	kW	0.035			0.043		0.048	
		At medium fan speed	kW	0.031		0.030	0.037		0.039	
		At medium low fan speed	kW	0.028		0.026	0.032			
		At low fan speed	kW	0.026		0.023	0.028		0.027	
	Power input - 60Hz	Cooling	At high fan speed	kW	0.040			0.050		0.060
		Heating	At high fan speed	kW	0.040			0.050		0.060
	Dimensions	Unit	Height	mm	204					
			Width	mm	840					
Depth			mm	840						
Packed unit		Height	mm	220						
		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							
Heat exchanger	Passes	Quantity	4			6		12		
	Face area	m ²	0.278			0.366		0.371		
	Stages	Quantity	9						12	
	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	m ³ /min	12.8		14.8	15.1	16.6		
		At medium high fan speed	m ³ /min	11.8		13.7	14.0	15.0		
		At medium fan speed	m ³ /min	10.7		12.6	12.8	13.3		
		At medium low fan speed	m ³ /min	9.8		11.5	11.8	12.0		
		At low fan speed	m ³ /min	8.9		10.4	10.7			
		Heating	At high fan speed	m ³ /min	12.8		14.8	15.1	16.6	
			At medium high fan speed	m ³ /min	11.8		13.7	14.0	15.0	
			At medium fan speed	m ³ /min	10.7		12.6	12.8	13.3	
			At medium low fan speed	m ³ /min	9.8		11.5	11.8	12.0	
	At low fan speed		m ³ /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	dB(A)	49.0		51.0	53.0			
Sound pressure level	Cooling	At high fan speed	dB(A)	31.0		33.0	35.0			
		At medium high fan speed	dB(A)	30.0		32.0	34.0			
		At medium fan speed	dB(A)	29.0		31.0	33.0			
		At medium low fan speed	dB(A)	29.5		30.0	32.0			
		At low fan speed	dB(A)	28.0		29.0	30.0			
	Heating	At high fan speed	dB(A)	31.0		33.0	35.0			
		At medium high fan speed	dB(A)	30.0		32.0	34.0			
		At medium fan speed	dB(A)	29.0		31.0	33.0			
		At medium low fan speed	dB(A)	29.5		30.0	32.0			
		At low fan speed	dB(A)	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	6.35						
Gas	Type	Flare connection								
	OD	mm	9.52			12.70				
Piping connections	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							

2 Specifications

1 - 1 FXFA-A

Technical specifications			FXFA20A	FXFA25A	FXFA32A	FXFA40A	FXFA50A	FXFA63A
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					

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
	Total capacity	At low fan speed	kW	1.80	2.00	3.00
		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
Heating capacity	Total capacity	At medium low fan speed	kW	6.40	7.30	10.30
		At low fan speed	kW	5.40	5.80	9.00
		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
Power input - 50Hz	Cooling	At medium low fan speed	kW	7.10	7.70	11.30
		At low fan speed	kW	5.90	6.00	9.80
		At high fan speed	kW	0.090	0.120	0.190
		At medium high fan speed	kW	0.069	0.083	0.152
		At medium fan speed	kW	0.051	0.055	0.119
	Heating	At medium low fan speed	kW	0.037	0.035	0.084
		At low fan speed	kW	0.028	0.023	0.057
		At high fan speed	kW	0.090	0.120	0.190
		At medium high fan speed	kW	0.069	0.083	0.152
		At medium fan speed	kW	0.051	0.055	0.119
Power input - 60Hz	Cooling	At medium low fan speed	kW	0.037	0.035	0.084
		At low fan speed	kW	0.028	0.023	0.057
		At high fan speed	kW	0.090	0.120	0.190
Dimensions	Unit	At high fan speed	kW	0.090	0.120	0.190
		At medium high fan speed	kW	0.069	0.083	0.152
		At medium fan speed	kW	0.051	0.055	0.119
	Packed unit	At medium low fan speed	kW	0.037	0.035	0.084
		At low fan speed	kW	0.028	0.023	0.057
		At high fan speed	kW	0.090	0.120	0.190
Weight	Unit	Height	mm	246		288
		Width	mm	840		
		Depth	mm	840		
Casing	Material	Height	mm	260		300
		Width	mm	882		
		Depth	mm	882		
Heat exchanger	Unit	Height	mm	24		26
		Width	mm	27		29
		Depth	mm	Galvanised steel plate		
Heat exchanger	Material	Inside length	mm	2,090		
		Outside length	mm	2,184		
		Rows	Quantity	3		
		Fin pitch	mm	1.20		
Heat exchanger	Material	Passes	Quantity	14		17
		Face area	m ²	0.464		0.556
		Stages	Quantity	15		18
		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				FXFA80A	FXFA100A	FXFA125A	
Fan	Type	Turbo fan					
	Quantity	1					
Air flow rate - 50Hz	Cooling	At high fan speed	m ³ /min	23.3	28.8	33.0	
		At medium high fan speed	m ³ /min	21.7	25.1	30.2	
		At medium fan speed	m ³ /min	19.3	21.2	27.4	
		At medium low fan speed	m ³ /min	16.5	17.5	24.0	
		At low fan speed	m ³ /min	13.8		20.6	
		At high fan speed	m ³ /min	23.3	29.0	33.0	
	Heating	At medium high fan speed	m ³ /min	21.7	25.1	30.2	
		At medium fan speed	m ³ /min	19.3	21.2	27.4	
		At medium low fan speed	m ³ /min	16.5	17.5	24.0	
		At low fan speed	m ³ /min	13.8		20.6	
		At high fan speed	cfm	823	1,017	1,165	
		At medium high fan speed	cfm	766	886	1,067	
	Air flow rate - 60Hz	Cooling	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
Sound power level	Cooling	At medium low fan speed	cfm	583	618	848	
		At low fan speed	cfm	487		727	
		At high fan speed	cfm	823	1,024	1,165	
Sound pressure level	Cooling	At medium high fan speed	cfm	682	749	968	
		At medium fan speed	cfm	583	618	848	
		At medium low fan speed	cfm	487		727	
		At high fan speed	cfm	823	1,024	1,165	
		At medium high fan speed	cfm	766	886	1,067	
	Heating	At medium fan speed	cfm	682	749	968	
		At medium low fan speed	cfm	583	618	848	
		At low fan speed	cfm	487		727	
		At high fan speed	cfm	823	1,024	1,165	
		At medium high fan speed	cfm	766	886	1,067	
Fan motor	Quantity	1					
	Speed	Steps	5				
Refrigerant	Type	R-32					
	GWP	675.0					
Piping connections	Liquid	Type	Flare connection				
		OD	mm	6.35	9.52		
	Gas	Type	Flare connection				
		OD	mm	12.70	15.90		
Piping connections	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				

2 Specifications

1 - 1 FXFA-A

Technical specifications			FXFA80A	FXFA100A	FXFA125A
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: 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	0.2	-	-	0.3	-
	Maximum fuse amps (MFA)		A	6	-	-	-	-
	Full load amps (FLA) Total		A	0.2	-	-	0.3	-
Current - 60Hz	Minimum circuit amps (MCA)		A	0.2	-	-	0.3	-
	Maximum fuse amps (MFA)		A	6	-	-	-	-
	Full load amps (FLA) Total		A	0.2	-	-	0.3	-

Electrical specifications			FXFA80A	FXFA100A	FXFA125A	
Current - 50Hz	Minimum circuit amps (MCA)		A	0.6	0.8	1.3
	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
	Full load amps (FLA) Total		A	0.5	0.7	1.2

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

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

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

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

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

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

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

(8>Select wire size based on the value of MCA |

(9)BYCQ140E2WI: pure white standard panel with grey louvers; BYCQ140E2WIW: pure white standard panel with white louvers; BYCQ140E2WIB: black standard panel with black louvers. |

(10)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. |

(11)Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

3
FXFA-A

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		0,4	6	0,3	61	61			
FXFA80A2VEB		Maximum · 50-Hz · 264-V	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
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	0,4		6		0,3	61	61			
FXFA80A2VEB	Maximum · 60-Hz · 242-V	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			

Symbols
 MCA: Minimum Circuit Ampere [A]
 MFA: Maximum Fuse Ampere [A]
 IFM: Indoor fan motor
 FLA: Full Load Ampere [A]

3D128806

4 Safety device settings

4 - 1 Safety Device Settings

FXFA-A

Safety devices		FXFQ20-63BVEB FXFA20-63A2VEB	FXFQ80-125BVEB FXFA80-125A2VEB
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		---	---

4D121692A

5 Options

5 - 1 Options

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Option kit		Product name	Availability
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		KAFP551K160	✓
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 (16)	✓
Sensor kit (for designer decoration panel)	Black	BRVQ140C8B (17)	✓
Wireless remote control		BRC7FA532F (6)(10)(18)	✓
Wireless remote control	Black	BRC7FA532FB (6)(11)(18)	✓
Wireless remote control (for designer decoration panel)		BRC7FB532F (6)(16)(18)	✓
Wireless remote control (for designer decoration panel)	Black	BRC7FB532FB (6)(17)(18)	✓
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)		EKR1C12 (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		ERPO1A51 (12)	✓
Wire harness for external wireless temperature sensor		EKEWTSC-2 (19)	✓
Wi-Fi adaptor for smartphones		BRP069C51 (15)	✓

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

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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 Option ·BYCQ140E2GFW1 / BYCQ140E2GFW1B· cannot be used with ·VRV IV-S·, 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 wired or wireless remote control (e.g. ·BRC1H52, BRC7F·).
- ⑯ Only possible in combination with ·BYCQ140E2P·.
- ⑰ Only possible in combination with ·BYCQ140E2PB·.
- ⑱ The active airflow circulation function is not available for this controller.
- ⑲ ·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.

3D128835

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

Notes

- 1) TC: Total capacity [kW]
- 2) Outdoor temperature $\cdot 7^{\circ}\text{C DB} / \cdot 6^{\circ}\text{C WB}$

3D129278

7 Dimensional drawings

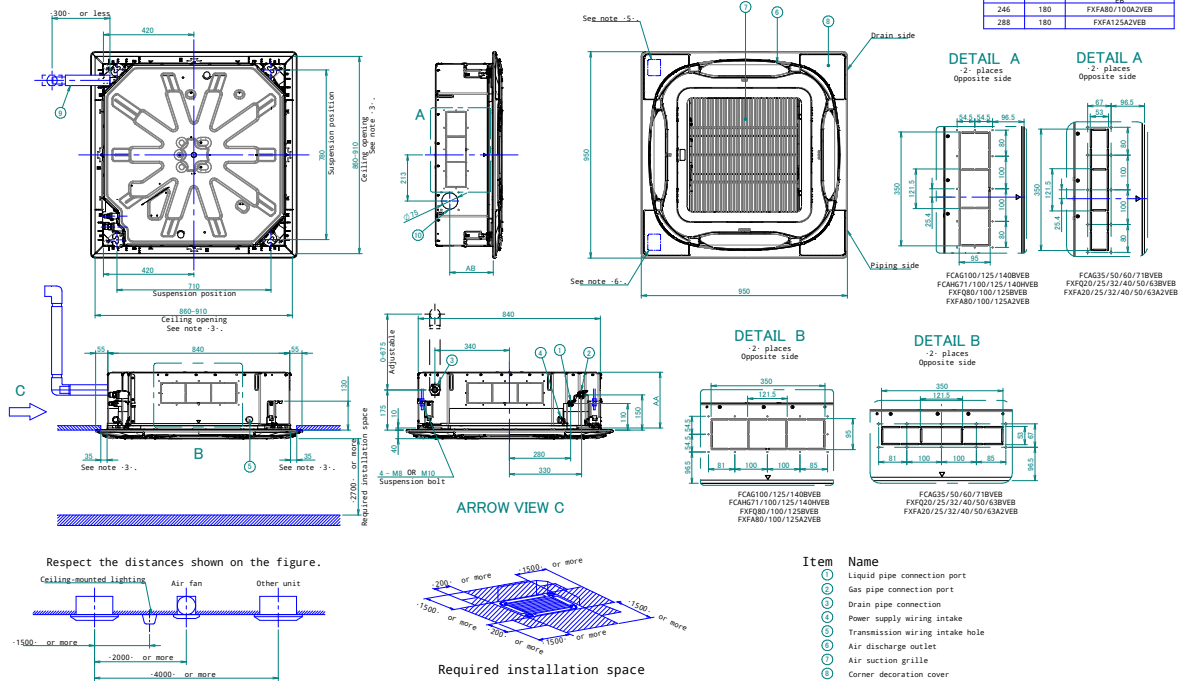
7-1 Dimensional Drawings

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:
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 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	FCAG35/50/60/718VBE
246	180	FCAG100/125/140VBE
288	180	FCAG71/100/125/140VBE
204	140	FXAQ20/25/32/40/50/63VBE
246	180	FXAQ80/100VBE
288	180	FXAQ125VBE
204	140	FXFA20/25/32/40/50/63AZVE
246	180	FXFA80/100AZVE
288	180	FXFA125AZVE



- 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 Knockout hole.

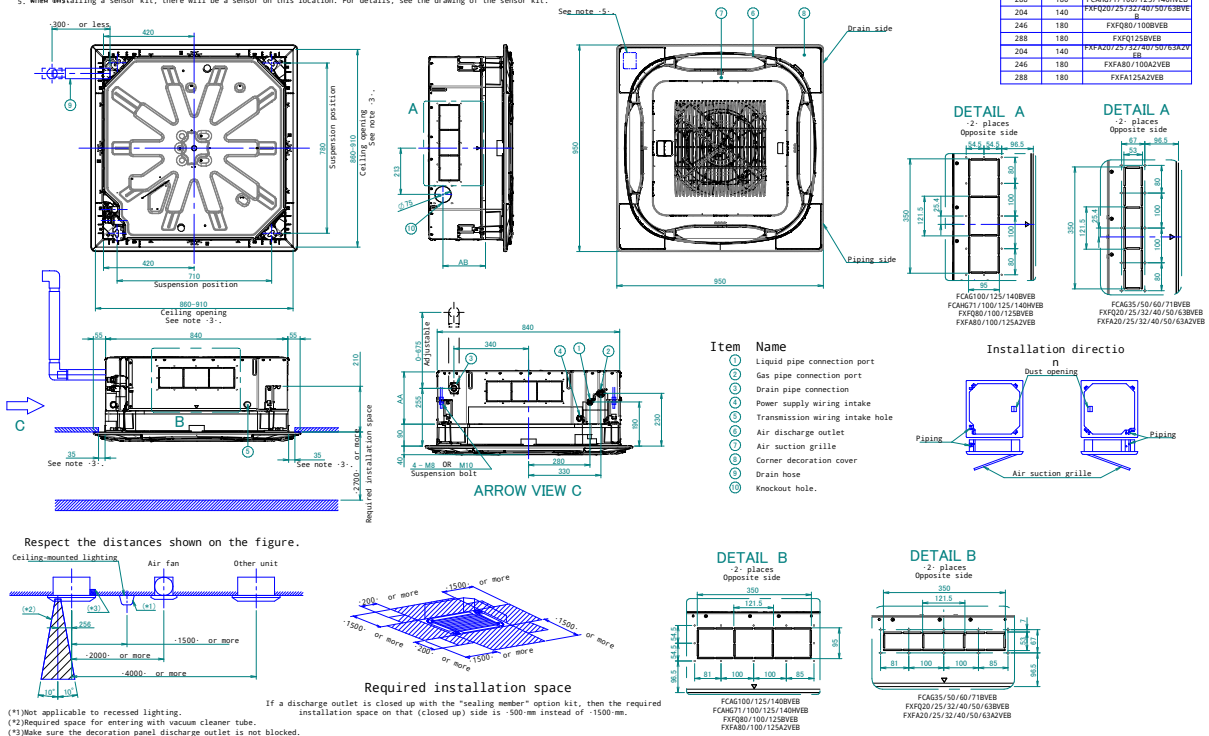
2D121655B

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:
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 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.

AA	AB	Model
204	140	FCAG35/50/60/718VBE
246	180	FCAG100/125/140VBE
288	180	FCAG71/100/125/140VBE
204	140	FXAQ20/25/32/40/50/63VBE
246	180	FXAQ80/100VBE
288	180	FXAQ125VBE
204	140	FXFA20/25/32/40/50/63AZVE
246	180	FXFA80/100AZVE
288	180	FXFA125AZVE



- 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.

(*) Not applicable to recessed lighting.
(**) Required space for entering with vacuum cleaner tube.
(***) Make sure the decoration panel discharge outlet is not blocked.

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7 Dimensional drawings

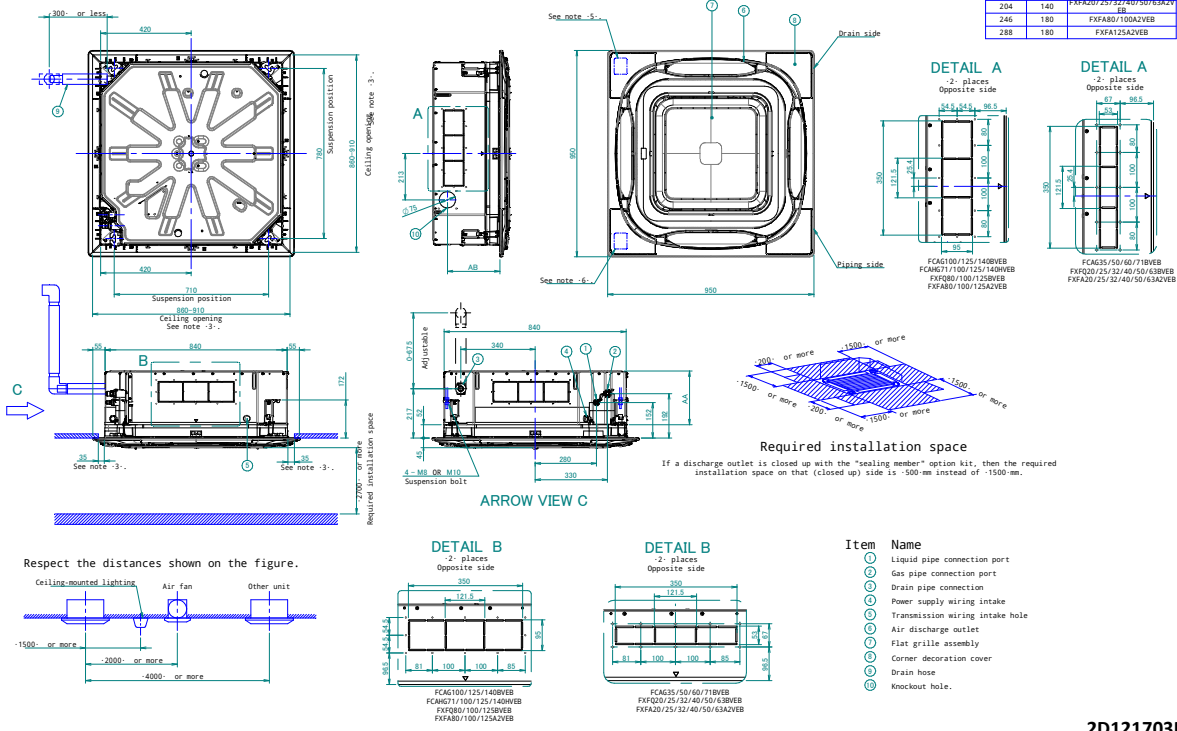
7 - 1 Dimensional Drawings

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.

AA	AB	Model
204	140	FCAG35/50/60/71BVEB
246	180	FCAG100/125/140BVEB
288	180	FCAG71/100/125/140BVEB
204	140	FXFQ20/25/32/40/50/63BVEB
246	180	FXFQ80/100BVEB
288	180	FXFQ125BVEB
204	140	FXFA20/25/32/40/50/63A2VEB
246	180	FXFA80/100A2VEB
288	180	FXFA125A2VEB



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7 Dimensional drawings

7 - 2 Dimensional Drawings with Accessories

FXFA-A

Remote control dimensions

Remote control holder
Installation methods
Installation to wall surface

Receiver detail

Installation methods

Decoration panel

Designer decoration panel

Self-cleaning decoration panel

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

Decoration panel

Designer decoration panel

Self-cleaning decoration panel

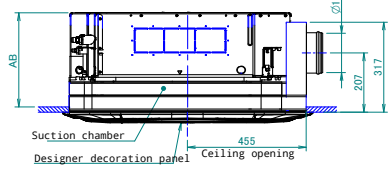
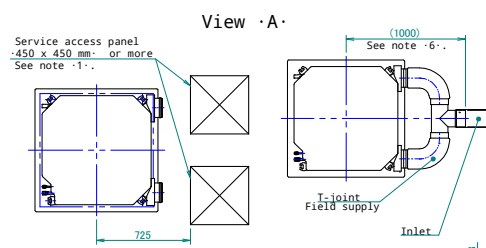
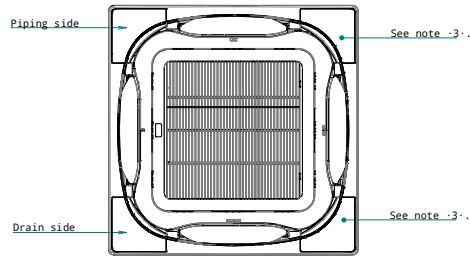
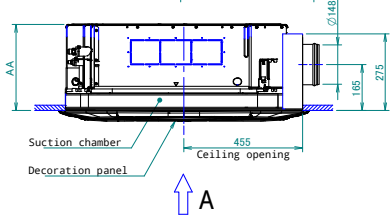
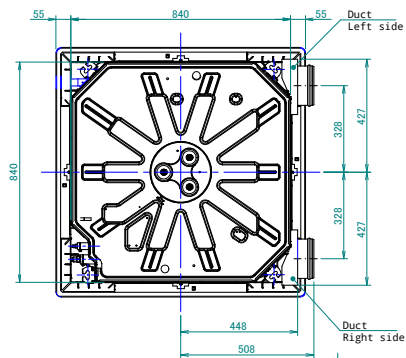
Front panel	Model name	Option
Decoration panel	BYCQ140E2W1(W)	BRYQ140B8
	BYCQ140E2W1B	BRYQ140B8B
Self-cleaning decoration panel	BYCQ140E2GFW1	BRYQ140B8
	BYCQ140E2GFW1B	BRYQ140B8B
Designer decoration panel	BYCQ140E2P	BRYQ140C8
	BYCQ140E2PB	BRYQ140C8B

3D121755

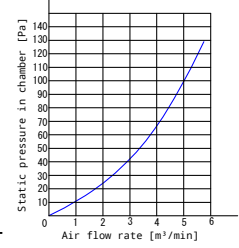
7 Dimensional drawings

7 - 3 Dimensional Drawings with Fresh Air Intake

FXFA-A



AA	AB	Model name
264	306	FCAG35/50/60/71BVEB
		FXFQ20/25/32/40/50/63BVEB
306	348	FXFA20/25/32/40/50/63A2VEB
		FCAG100/125/140BVEB
348	390	FXFQ80/100BVEB
		FXFA80/100A2VEB
		FCAG71/100/125/140HVEB
		FXFQ125BVEB
		FXFA125A2VEB



Notes

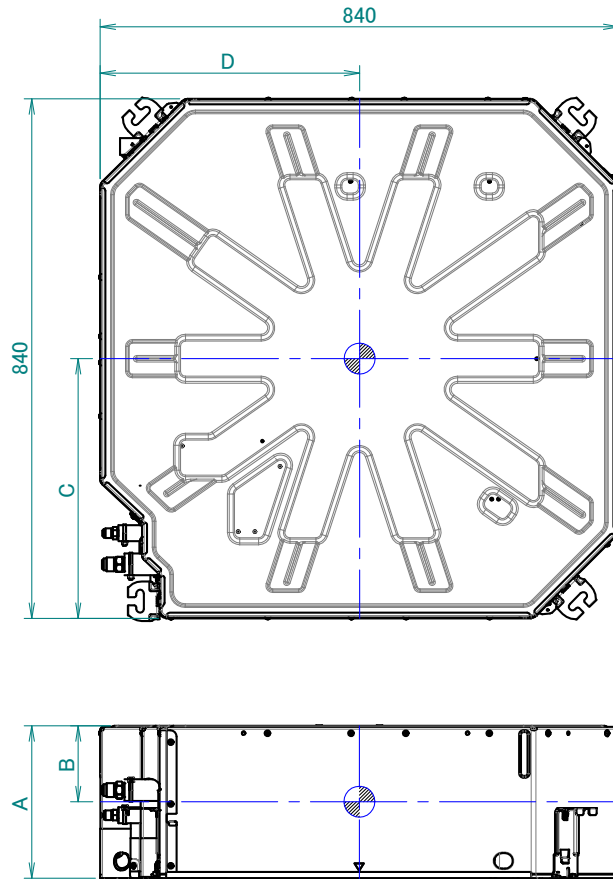
- When installing a fresh air intake kit, provide a service access panel.
- Field construction
- This corner discharge outlet needs to be closed.
- When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
- The intake air flow rate is recommended to be ≤20%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

3D121741A

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

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9 Piping diagrams

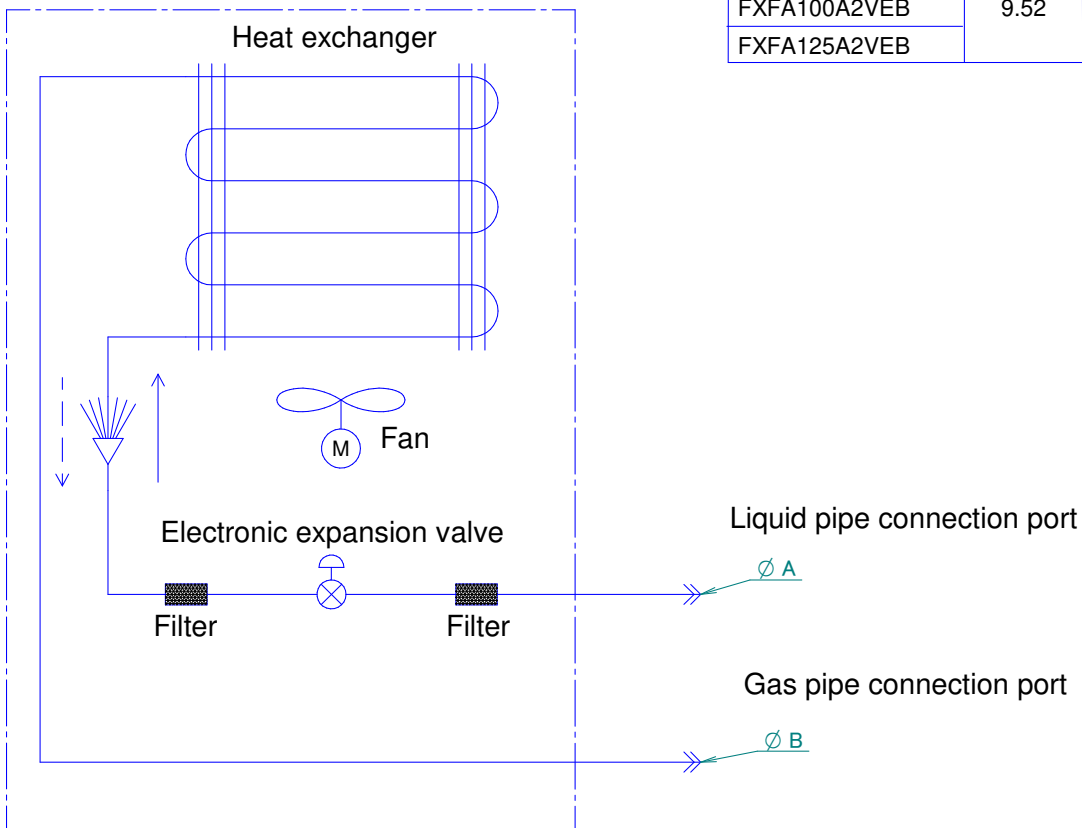
9 - 1 Piping Diagrams

9

FXFA-A

Refrigerant flow

Cooling ———>
 Heating - - - ->



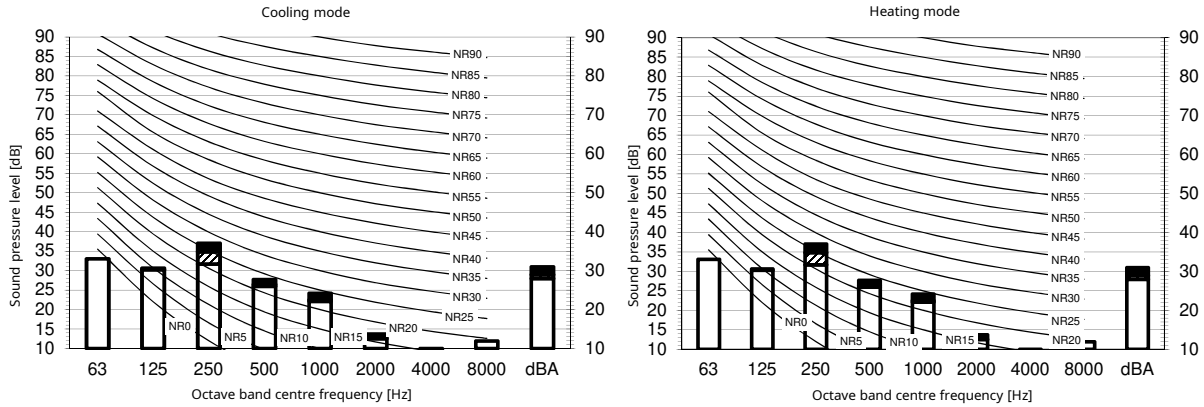
Model	A	B
FXFA20A2VEB	6.35	9.52
FXFA25A2VEB		
FXFA32A2VEB		
FXFA40A2VEB		
FXFA50A2VEB		
FXFA63A2VEB	9.52	12.7
FXFA80A2VEB		
FXFA100A2VEB		
FXFA125A2VEB	15.9	

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11 Sound data

11 - 1 Sound Pressure Spectrum

FXFA20A

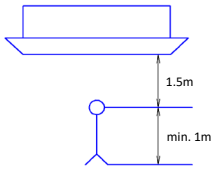


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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

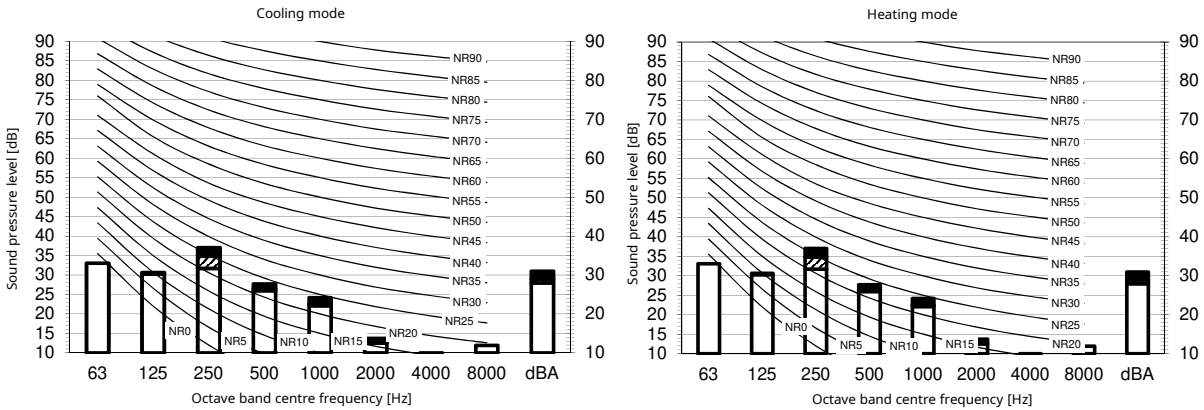
Heating		Total dB	
A	B	C	D
dBA	31,0	29,0	28,0



- Notes
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

3D121671A

FXFA25A

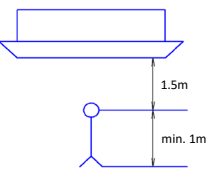


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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



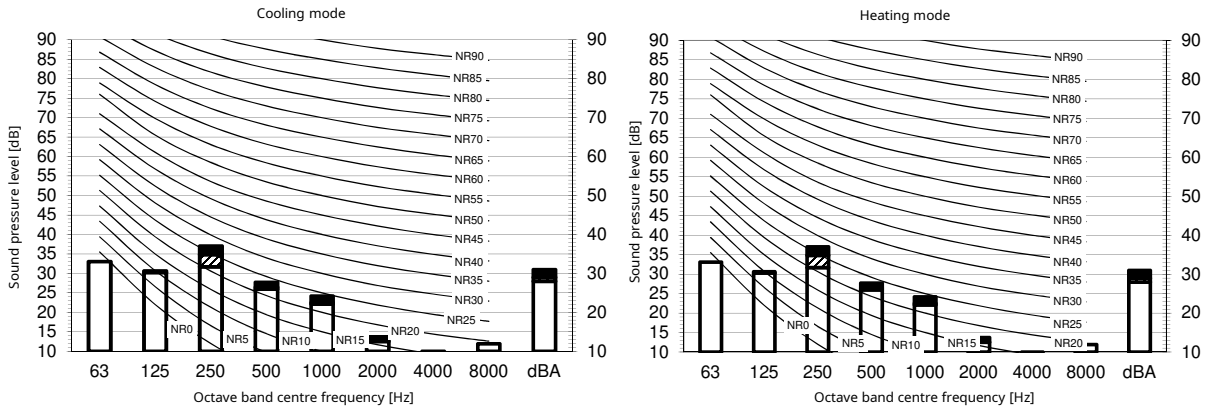
- Notes
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 2. Background noise already taken into account.
 3. Operating noise varies depending on operation and ambient conditions.
 4. The operation noise measuring method is in accordance with JISC9612.
 5. Measuring location: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

3D121672A

11 Sound data

11 - 1 Sound Pressure Spectrum

FXFA32A



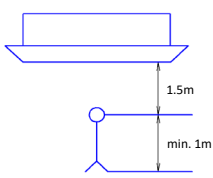
Legend

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

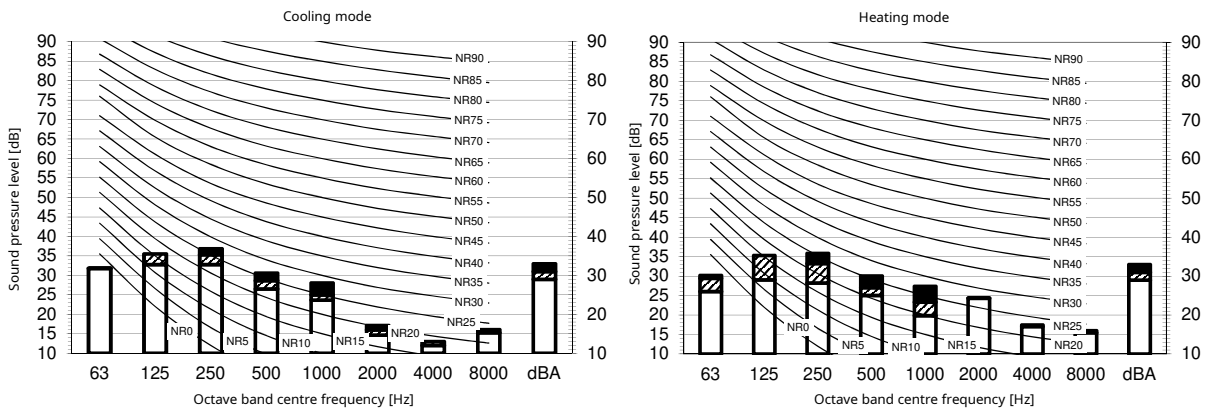
Heating		Total dB	
A	B	C	D
dBA	31,0	29,0	28,0

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



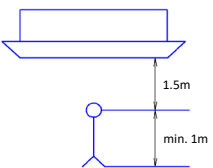
Legend

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

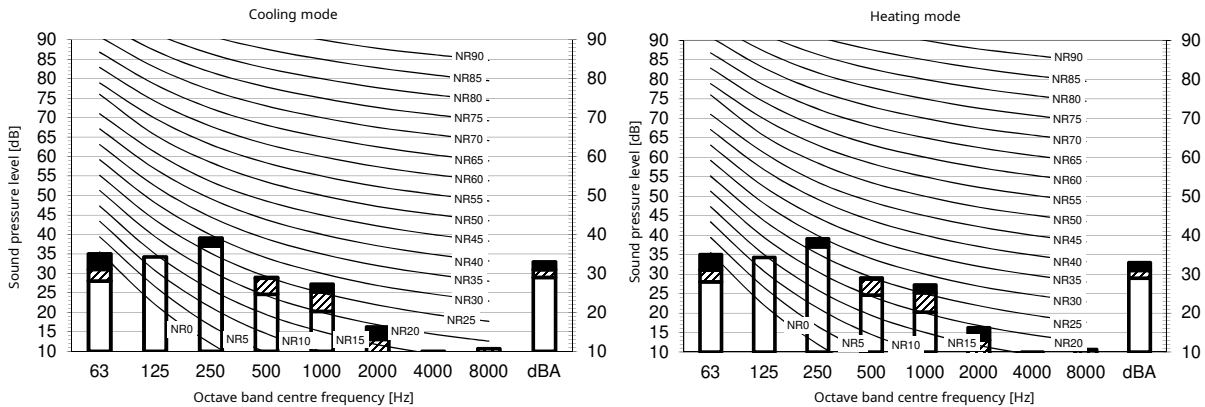
3D121674A

11 Sound data

11 - 1 Sound Pressure Spectrum

11

FXFA50A

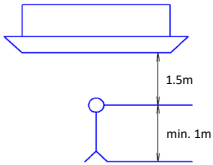


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

- B High
- C Medium
- D Low

Location of microphone



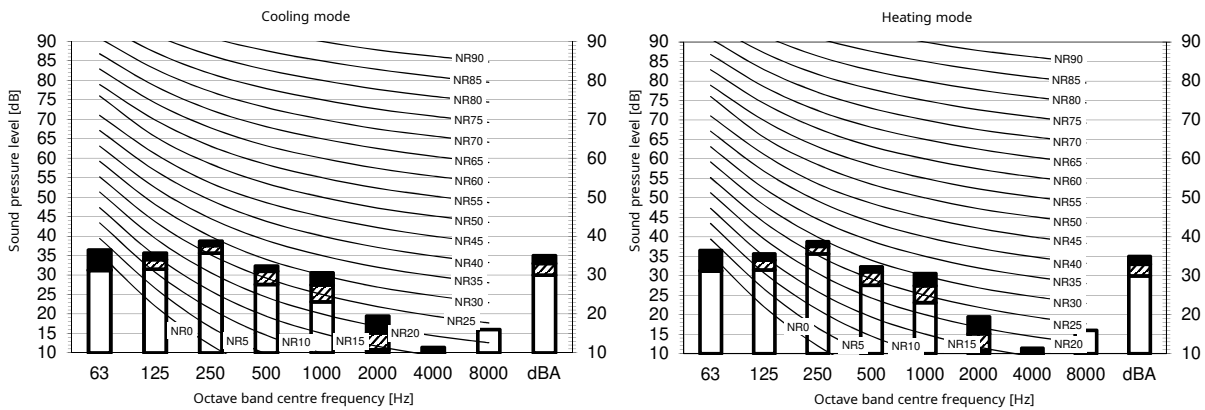
Cooling		Total dB	
A	B	C	D
dBA	33,0	31,0	29,0

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

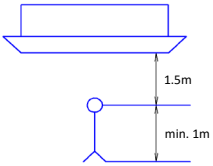


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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

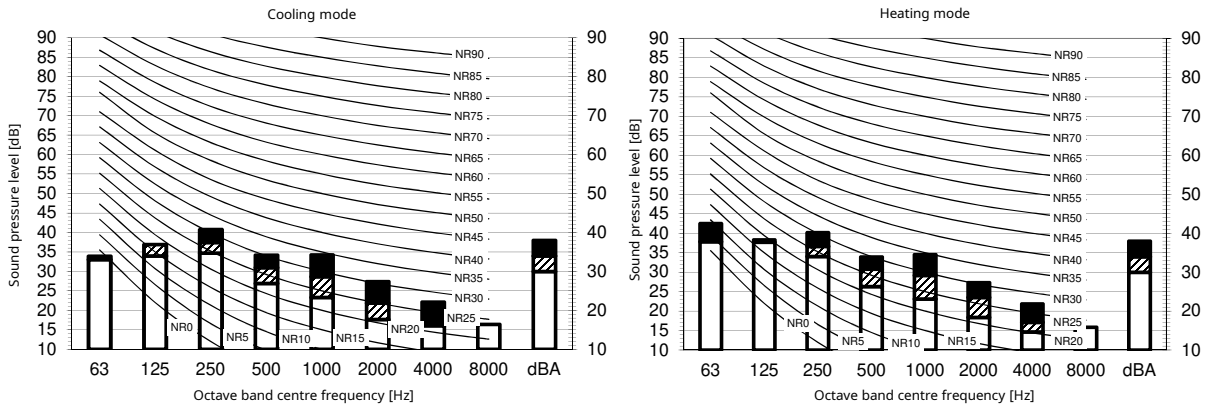
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D121676A

11 Sound data

11 - 1 Sound Pressure Spectrum

FXFA80A

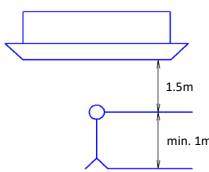


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale Fan speed

B High
C Medium
D Low

Location of microphone



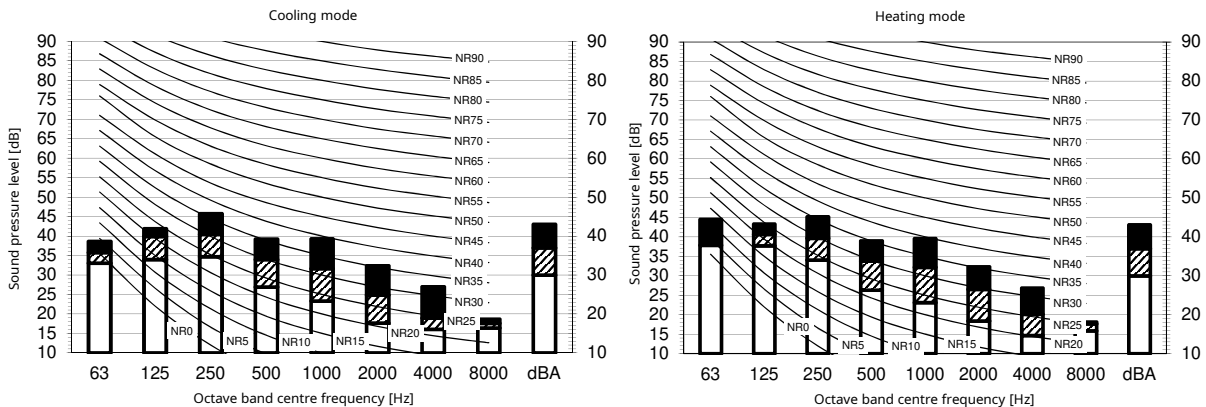
Cooling		Total dB	
A	B	C	D
dBA	38,0	34,0	30,0

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

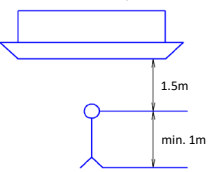


Legend
dBA = A-weighted sound pressure level (A scale according to IEC).

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

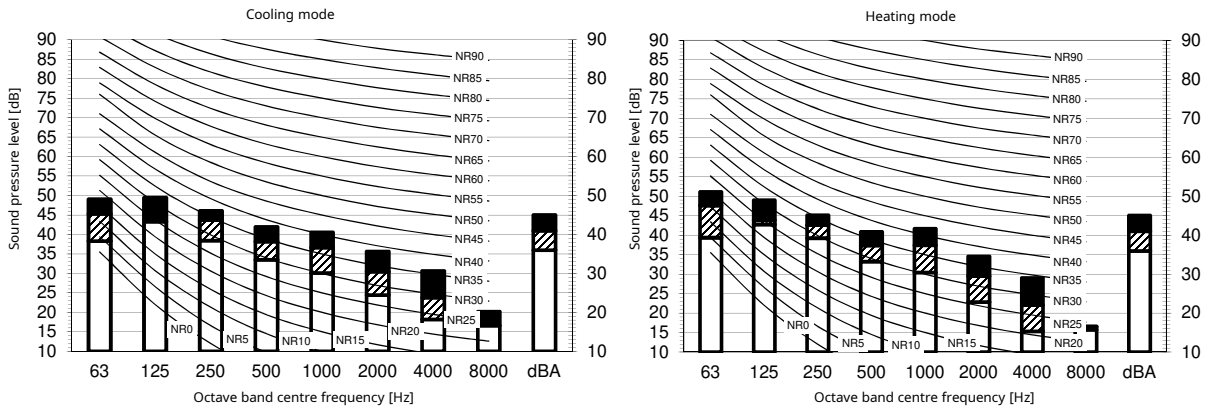
3D121678A

11 Sound data

11 - 1 Sound Pressure Spectrum

11

FXFA125A



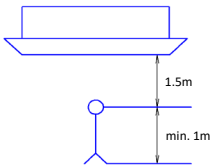
Legend

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

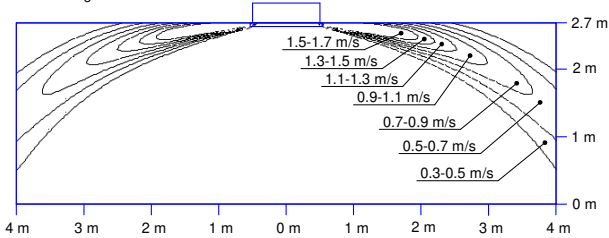
12 Air flow patterns

12 - 1 Air flow pattern - Cooling and Heating

FXFA20-32A

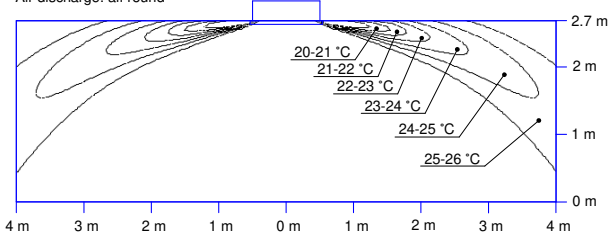
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



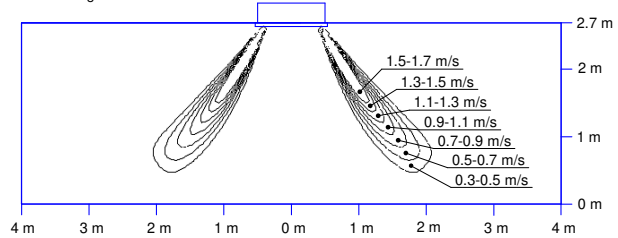
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



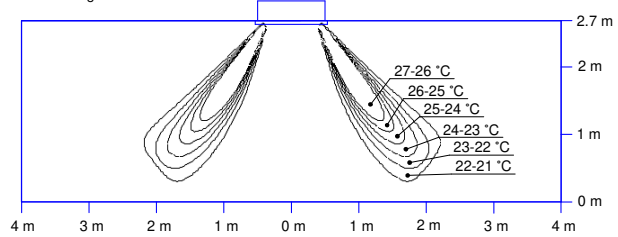
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

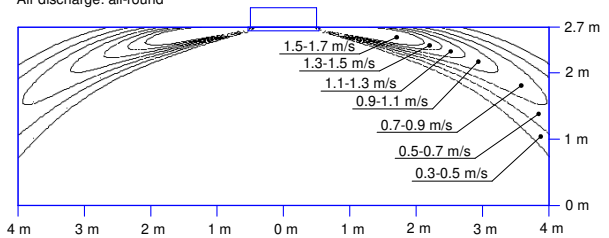


3D121627A

FXFA40A

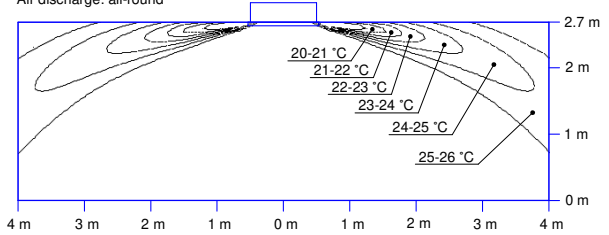
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



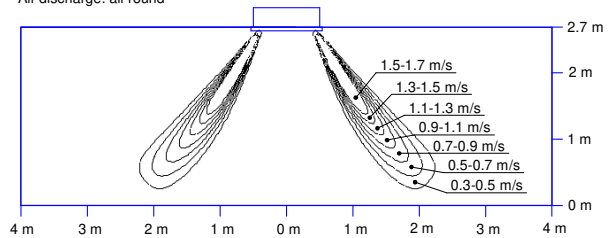
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



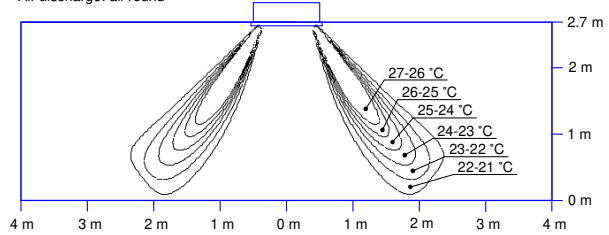
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121620A

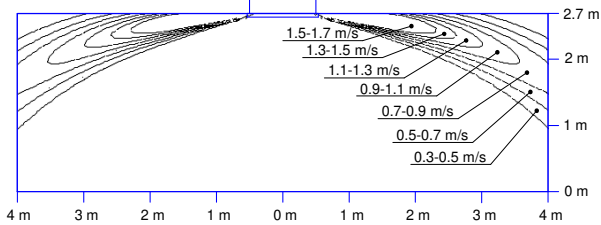
12 Air flow patterns

12 - 1 Air flow pattern - Cooling and Heating

FXFA50A

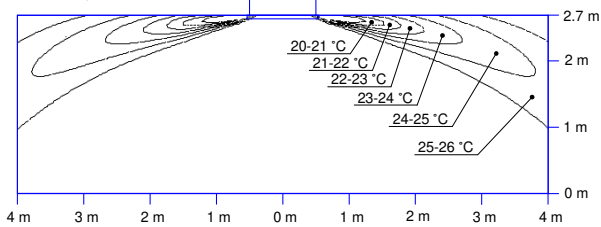
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



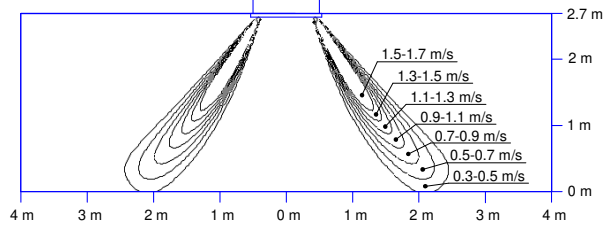
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



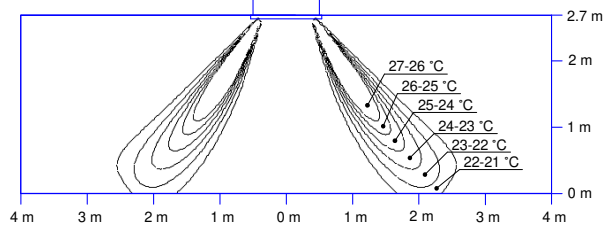
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

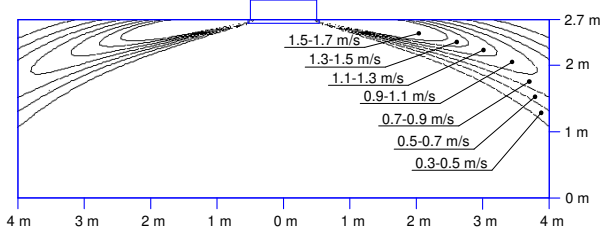


3D121621A

FXFA63A

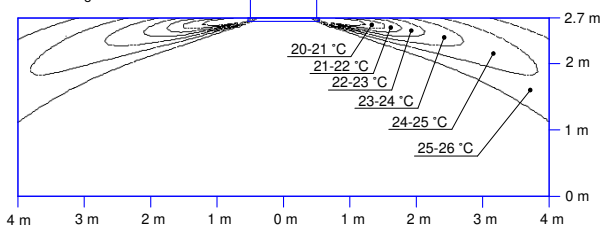
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



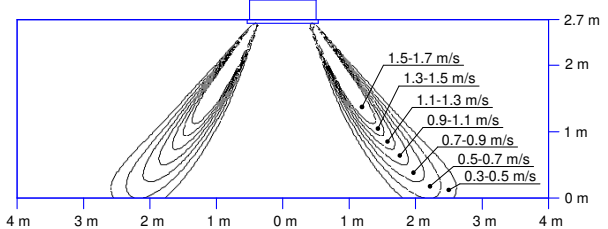
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



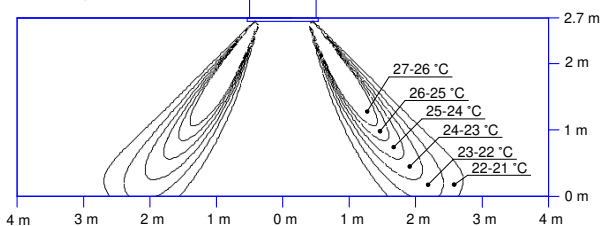
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121628A

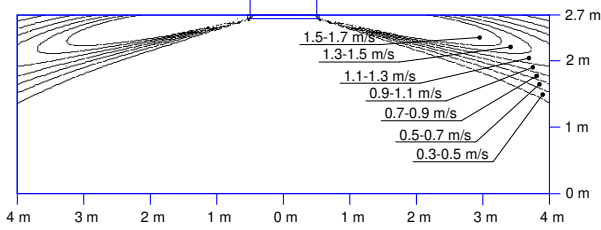
12 Air flow patterns

12 - 1 Air flow pattern - Cooling and Heating

FXFA80A

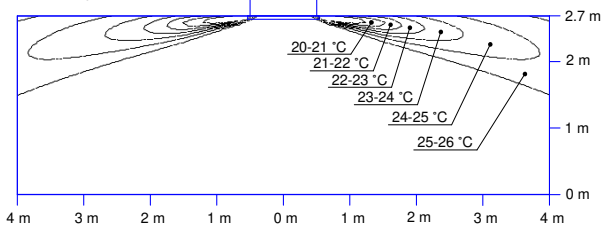
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



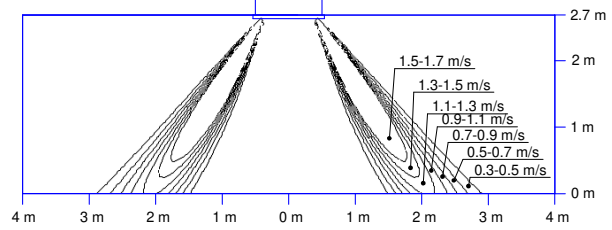
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



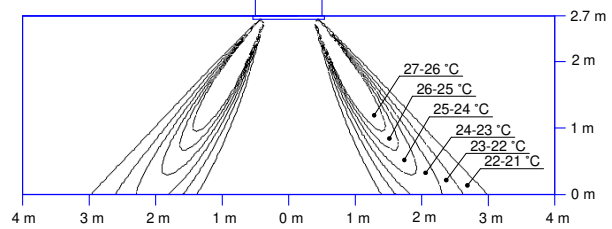
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

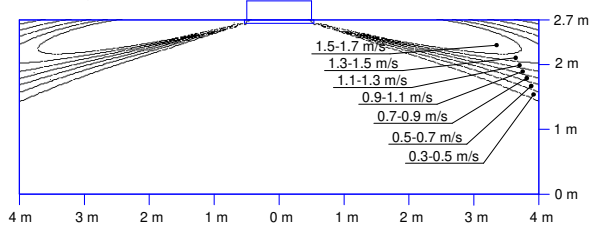


3D121622A

FXFA100A

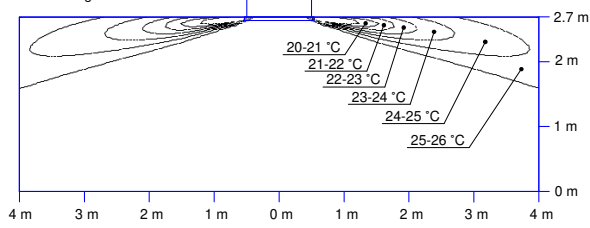
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



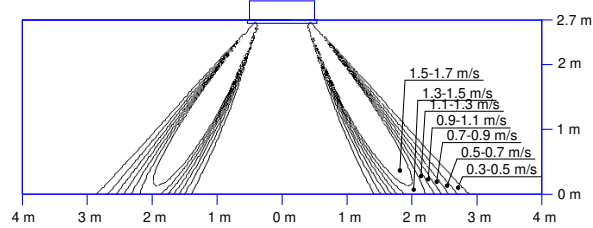
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



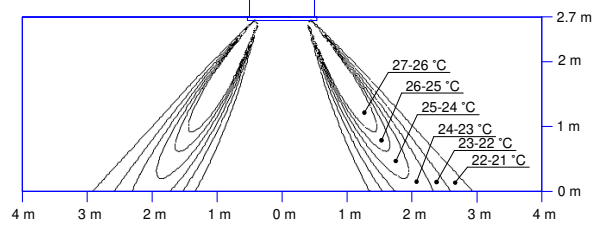
Air velocity distribution (heating)

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

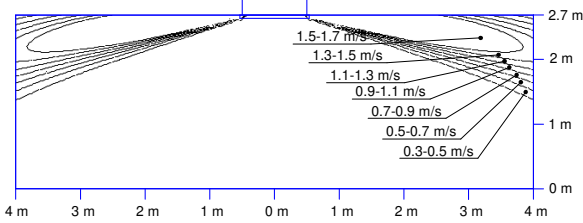
12 - 1 Air flow pattern - Cooling and Heating

12

FXFA125A

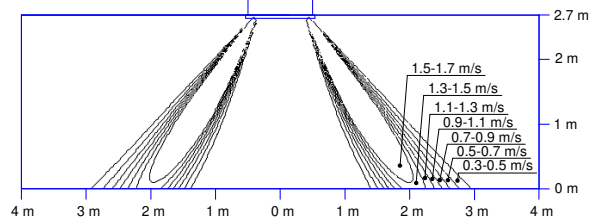
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



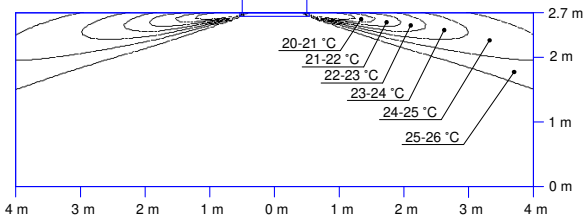
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



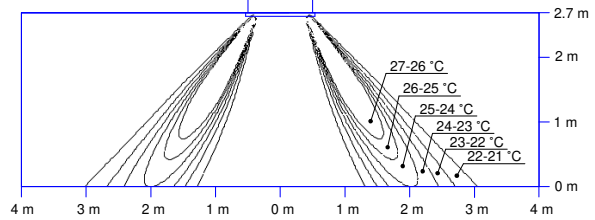
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round

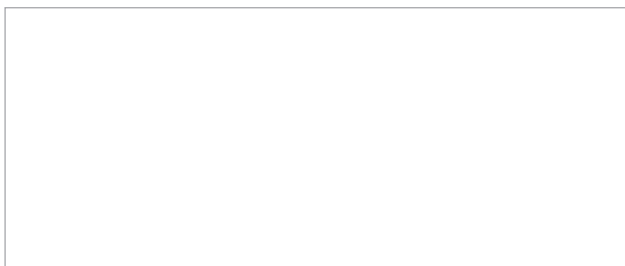


Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121630A



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07/2020



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