

Floor standing unit
Technical data book
CVXM-A /
FVXM-A



CVXM20A3V1B
FVXM25A3V1B
FVXM35A3V1B
FVXM50A3V1B

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CVXM-A / FVXM-A

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1 Features

1 - 1 FVXM-A, CVXM-A

Design floor standing unit for optimal heating comfort thanks to unique heating features

1

- › Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- › Excellent contemporary design
- › Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- › The floor warming function optimises convection by distributing hot air from the bottom of the unit
- › The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- › Dual air discharge flow for better air distribution
- › Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- › Daikin Residential controller: control your indoor from any location with an app, via your local network or internet.
- › Quiet operation: down to 19dBA sound pressure level
- › Combinable with 2 and 3 port multi outdoor units



Practically inaudible



Heat boost



Floor warming



Heat plus



Daikin Residential Controller



Econo mode



Energy saving during standby mode



Night set mode



Fan only



Draught prevention



Powerful mode



Auto cooling-heating changeover



Indoor unit silent operation



Outdoor unit silent operation



Night quiet mode



Vertical auto swing



Auto fan speed



Fan speed steps

1 Features

1 - 1 FVXM-A, CVXM-A



Dry programme



Flash Streamer



Titanium apatite deodorising filter



Air filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Auto-restart



Self diagnosis



Multi model application

2 Specifications

2 - 1 FVXM-A, CVXM-A

2

Technical specifications					CVXM20A		
Power input	Cooling	Nom.	kW		0.02		
	Heating	Nom.	kW		0.02		
Casing	Colour				White		
Dimensions	Unit	Height	mm		600		
		Width	mm		750		
		Depth	mm		238		
	Packed unit	Height	mm		765		
		Width	mm		885		
		Depth	mm		330		
Weight	Unit		kg		17		
	Packed unit		kg		21,5		
Packing	Weight		kg		4,5		
	Length		mm		540		
Heat exchanger	Rows	Quantity			2		
		Fin pitch			mm	1.20	
	Face area			m ²	0.226		
	Stages	Quantity			22		
		Passes	Quantity			6	
	Tube type				ø5 Hi-XB		
	Tube material				Copper		
	Tube diameter			mm	5		
	Fin	Type			Multi slit fin		
		Treatment			Hydrophilic		
	Heat exchanger 2	Quantity				1	
		Length		mm		490	
		Rows	Quantity			1	
Fin pitch			mm	1.20			
Face area			m ²	0.206			
Stages		Quantity			22		
	Type				Turbo fan		
Fan	Quantity				1		
	Air flow rate	Cooling	High	m ³ /min	8.7		
				cfm	307		
			Medium	m ³ /min	7		
			cfm	237			
Low		m ³ /min	4.9				
Fan	Air flow rate	Cooling	Low	cfm	173		
			Silent operation	m ³ /min	4.1		
			cfm	145			
		Heating	High	m ³ /min	9.2		
	cfm			325			
	Medium		m ³ /min	7.2			
			cfm	254			
	Low	m ³ /min	5.6				
cfm		198					
Silent operation			m ³ /min	4.1			
	cfm	145					
Fan motor	Quantity				1		
	Type				DC motor		
	Speed	Cooling	High	rpm	670		
				rpm	550		
				rpm	410		
			Silent operation			rpm	350
			Heating	High	rpm	710	
				Medium	rpm	570	
		Low		rpm	460		
		Silent operation			rpm	360	
		Output	Rated			W	37
		Sound power level	Cooling		dB(A)	52.0	
			Heating		dB(A)	52.0	
Sound pressure level		Cooling	High	dB(A)	38.0		
	Medium		dB(A)	32.0			
	Low		dB(A)	25.0			
	Silent operation		dB(A)	22.0			
	Heating	High	dB(A)	38.0			
		Medium	dB(A)	32.0			
		Low	dB(A)	25.0			
		Silent operation		dB(A)	21.0		
Refrigerant	Type			R-32			
	GWP			675.0			

2 Specifications

2 - 1 FVXM-A, CVXM-A

Technical specifications				CVXM20A
Piping connections	Liquid	OD	mm	6.4
	Gas	OD	mm	9.50
Piping connections	Drain			VP20 (I.D. 20/O.D. 26)
	Heat insulation			Both liquid and gas pipes
Air filter	Type			Removable / washable
	Quantity		pc	1
Air direction control				Right, Left, Horizontal, Downward
Temperature control				Microcomputer control
Control systems	Infrared remote control			ARC466A66
	Wired remote control			BRC073A1

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Wireless remote control; Quantity: 1;

Standard accessories: AAA dry-cell batteries; Quantity: 1;

Standard accessories: Remote control holder; Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter; Quantity: 2;

Standard accessories: Screw bag; Quantity: 1;

Standard accessories: General safety precautions; Quantity: 1;

Electrical specifications				CVXM20A
Power supply	Phase			1~
	Frequency		Hz	50
	Voltage		V	220-240
Current	Nominal running current (RLA) - 50Hz	Heating	A	0.2
		Cooling	A	0.2
Wiring connections - 50Hz	For power supply	Quantity		3
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)
Current	Nominal running current (RLA)	Cooling	A	0.2

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m |

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

Technical specifications				FVXM25A	FVXM35A	FVXM50A		
Power input	Cooling	Nom.	kW	0.02	0.02	0.03		
	Heating	Nom.	kW	0.02		0.03		
Casing	Colour				White			
Dimensions	Unit	Height	mm		600			
		Width	mm		750			
		Depth	mm		238			
	Packed unit	Height	mm		765			
		Width	mm		885			
		Depth	mm		330			
Weight	Unit		kg	17				
	Packed unit		kg	21,5				
Packing	Weight		kg	4,5				
Heat exchanger	Length		mm	540				
	Rows	Quantity		2				
		Fin pitch		mm	1.20			
	Face area		m ²	0.226				
	Stages	Quantity		22				
		Passes	Quantity		6			
	Tube type				ø5 Hi-XB			
	Tube material				Copper			
	Tube diameter		mm		5			
	Fin	Type			Multi slit fin			
		Treatment			Hydrophilic			
	Heat exchanger 2	Quantity			1			
Length			mm	490				
Rows		Quantity		1				
		Fin pitch		mm	1.20			
Face area			m ²	0.206				
Stages		Quantity		22				
Fan	Type			Turbo fan				
	Quantity			1				
	Air flow rate	Cooling	High	m ³ /min	8.7	9.2	11.6	
				cfm	307	325	410	
		Medium		m ³ /min		7		9
				cfm		237		307
Low			m ³ /min		4.9		6.6	

2 Specifications

2 - 1 FVXM-A, CVXM-A

2

Technical specifications				FVXM25A	FVXM35A	FVXM50A	
Fan	Air flow rate	Cooling	Low	cfm	173	233	
			Silent operation	m ³ /min	4.1	5.4	
	Heating	High		m ³ /min	9.2	9.8	12.8
				cfm	325	346	452
		Medium		m ³ /min	7.2		10.0
				cfm	254		353
		Low		m ³ /min	5.6		8.4
				cfm	198		297
	Silent operation		m ³ /min	4.1		5.9	
				cfm	145		208
Fan motor	Quantity	1					
	Type	DC motor					
	Speed	Steps	5 + silent, + auto				
		Cooling	High	rpm	670	710	870
	Medium		rpm	550		690	
	Low		rpm	410		530	
	Silent operation		rpm	350		440	
	Heating	High	rpm	710	750	950	
		Medium	rpm	570		760	
		Low	rpm	460		650	
Silent operation		rpm	360		480		
Output	Rated	W	37				
Sound power level	Cooling		dB(A)	52.0	53.0	61.0	
	Heating		dB(A)	52.0	53.0	62.0	
Sound pressure level	Cooling	High	dB(A)	38.0	39.0	44.0	
		Medium	dB(A)		32.0	38.0	
		Low	dB(A)		25.0	31.0	
		Silent operation	dB(A)		20.0	27.0	
	Heating	High	dB(A)	38.0	39.0	46.0	
		Medium	dB(A)		32.0	40.0	
		Low	dB(A)		25.0	35.0	
		Silent operation	dB(A)		19.0	29.0	
Refrigerant	Type	R-32					
	GWP	675.0					
Piping connections	Liquid	OD	mm	6.4			
	Gas	OD	mm	9.50		12.70	
Piping connections	Drain	VP20 (I.D. 20/O.D. 26)					
	Heat insulation	Both liquid and gas pipes					
Air filter	Type	Removable / washable					
	Quantity	pc					
Air direction control	Right, Left, Horizontal, Downward						
Temperature control	Microcomputer control						
Control systems	Infrared remote control	ARC466A66					
	Wired remote control	BRC073A1					

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Wireless remote control; Quantity: 1;

Standard accessories: AAA dry-cell batteries; Quantity: 1;

Standard accessories: Remote control holder; Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter; Quantity: 2;

Standard accessories: Screw bag; Quantity: 1;

Standard accessories: General safety precautions; Quantity: 1;

Electrical specifications				FVXM25A	FVXM35A	FVXM50A
Power supply	Phase	1~				
	Frequency	Hz				
	Voltage	V				
Current	Nominal running current (RLA) - 50Hz	Heating	A	0.2		0.4
		Wiring connections - 50Hz	For power supply	Quantity		
		Remark	3			
		3 for power supply, 4 for interunit wiring (Earth wire included)				
Current	Nominal running current (RLA)	Cooling	A	0.2		0.4

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

3 Options

3 - 1 Options

CVXM-A
FVXM-A

Option kit	Product name	Remark New floor stand	New Floor stand								
			Class	Casing	Factory	D/Cz					
			Applicable models	20	25	35	50	Floor Stand	Floor Stand	Floor Stand	Floor Stand
Wired remote control	BRC073A1	② ③	CVXM20A2V1B, CVXM20A3V1B	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (3m)	BRCW901A03		FVXM25A2V1B, FVXM25A3V1B	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (8m)	BRCW901A08		FVXM35A2V1B, FVXM35A3V1B	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Tablet Controller	DCC601A51	② ③	FVXM50A2V1B, FVXM50A3V1B	✗	✗	✗	✗	✗	✗	✗	✗
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP928BB2S	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Central remote control	DCS302CA51	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Schedule timer	DST301BA51	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Touch Manager	DCM601A5A	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Modbus interface	EKMBDXA7V1	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Modbus gateway	RTD-RA	② ③		✓	✓	✓	✓	✓	✓	✓	✓
KNX interface	KLIC-DD	② ③		✓	✓	✓	✓	✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46	①		✓	✓	✓	✓	✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41			✗	✗	✗	✗	✗	✗	✗	✗
Conversion wire harness	EKRS21			✓	✓	✓	✓	✓	✓	✓	✓

Notes

- Standard accessory
- This option features a(n) S21 connector. To connect this option to the indoor unit, therefore conversion wire harness EKRS21 is required.
- This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.

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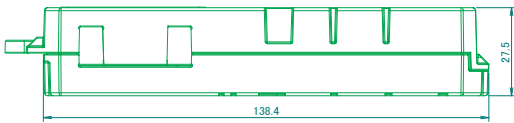
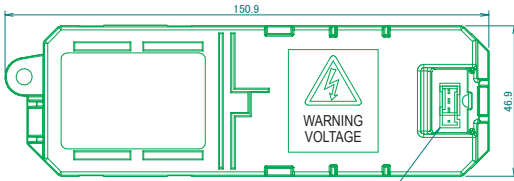
4 Dimensional drawings

4 - 1 Dimensional Drawings

4

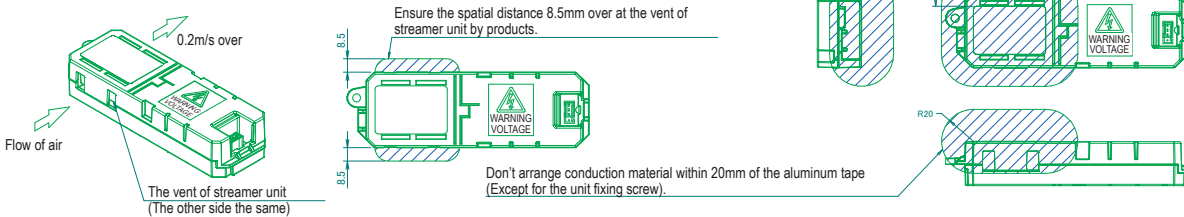
FVXM-A
CVXM-A

• Outside size



• Method of mounting

Don't blockage the vent of streamer unit.
Ensure the exit wind speed 0.2m/sec of the vent.
Ensure the spatial distance 8.5mm over at the vent of streamer unit.

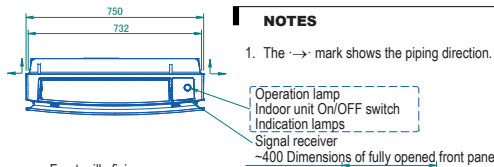
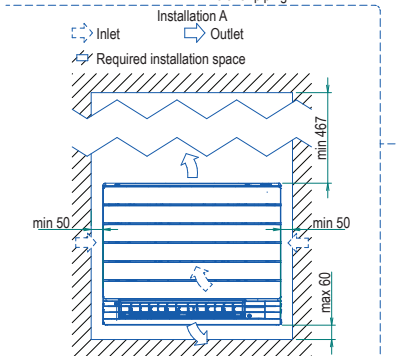
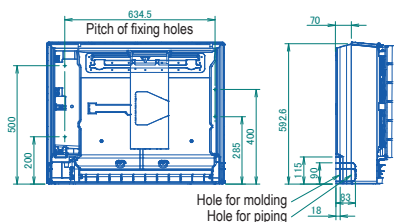
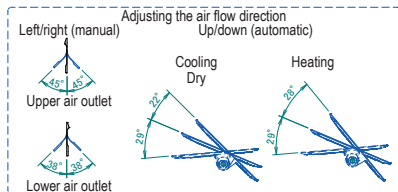


• Main specifications

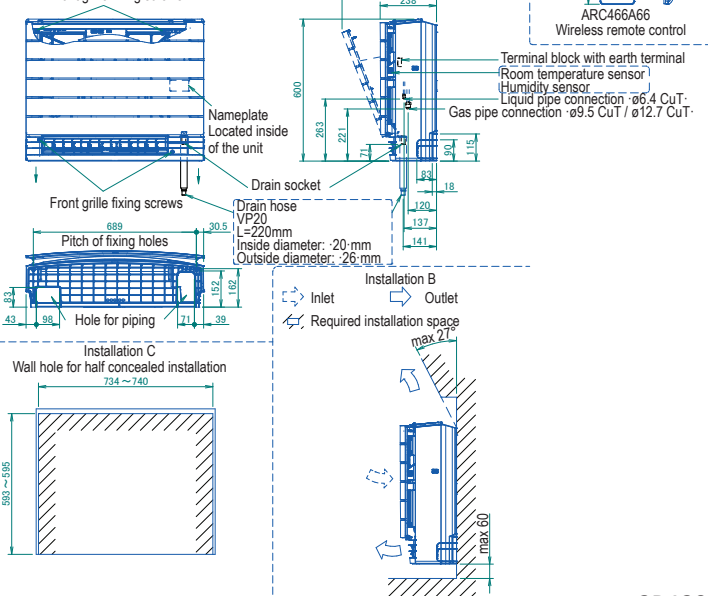
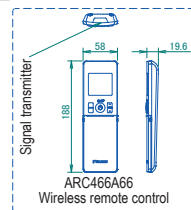
Items	Contents		
Outside	Outside size	150.9×46.9×27.5mm	
	Weight	100g	
Material of resin	Material	ABS	
	Flame retardance	UL94-5VA	
	Tracking index	Over CTI600V	
Applicable laws	Electrical Appliance and Material Safety Act IEC60335-1(4th), IEC60335-2-65(4th)		
Ambient conditions	Storage temperature	-25-70 (Non-Energization)	
	Operating ambient temperature	-10-60 (Energization)	
Basic specifications	Operating ambient humidity	5-95%RH (No dew deposit)	
	Input voltage	14V±5%	
Maximum output voltage	Maximum output voltage	6.5±0.5kV	
	Rating output voltage	5.0±0.5kV	
	Rating output current	Hi	55.5µA±10%
		Lo	10µA±10%
	ON/OFF	Inputted voltage into Vin (ON/OFF)	
	Hi ↔ Lo Switching	Inputted 5V into HL (Loe tap)	
Current monitor	Yes		
Detectable over current	Yes		
Detectable low voltage	Under 3kV		
Generation amount of Ozone	4.26ml/hr (Hi 14±2; 50±10%RH)		
Method of mounting	Fixing by the right and left hook Fixing by the screw section		

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FVXM-A
CVXM-A



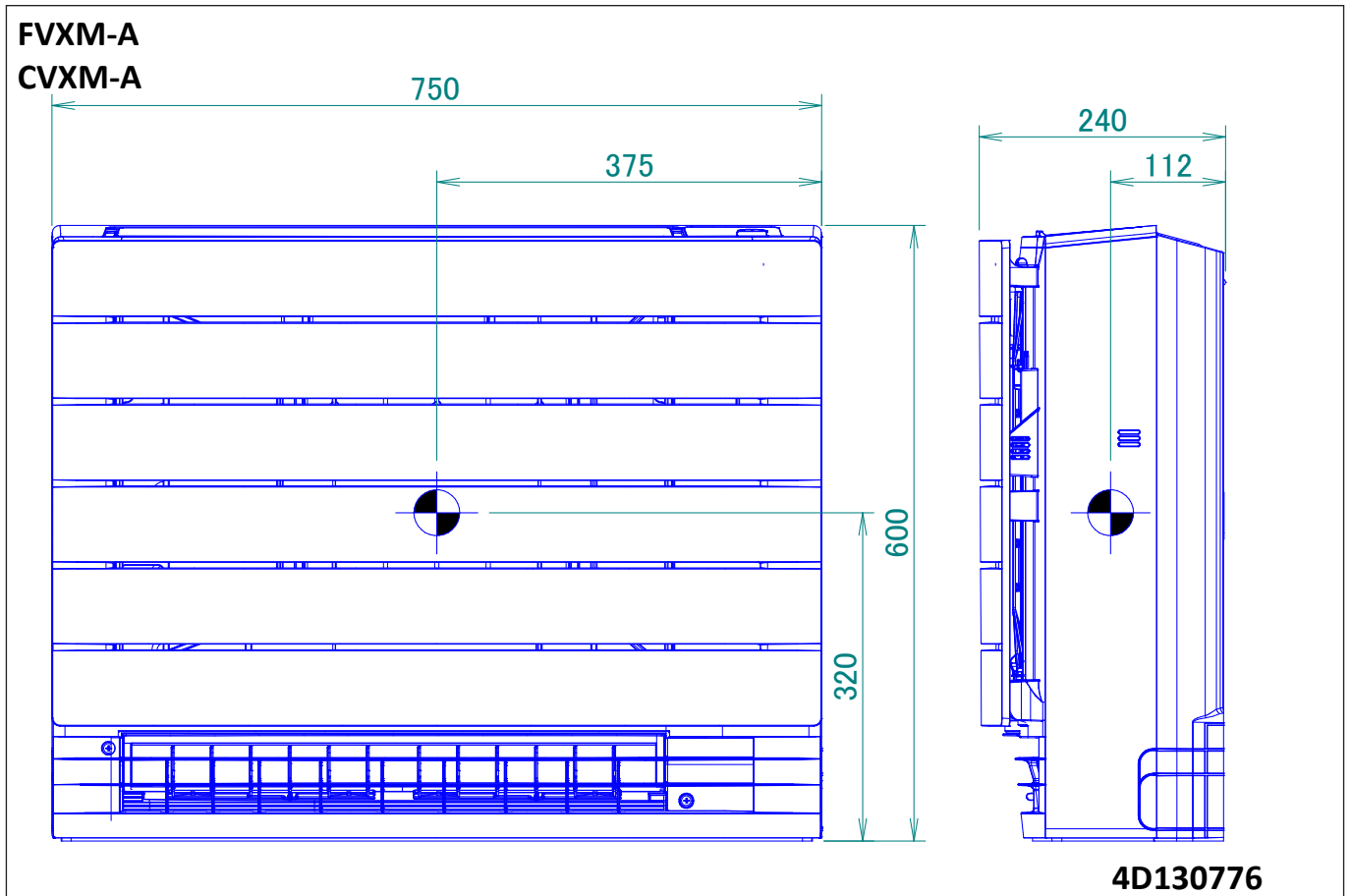
NOTES
1. The → mark shows the piping direction.
Operation lamp
Indoor unit On/OFF switch
Indication lamps
Signal receiver
~400 Dimensions of fully opened front panel



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5 Centre of gravity

5 - 1 Centre of Gravity

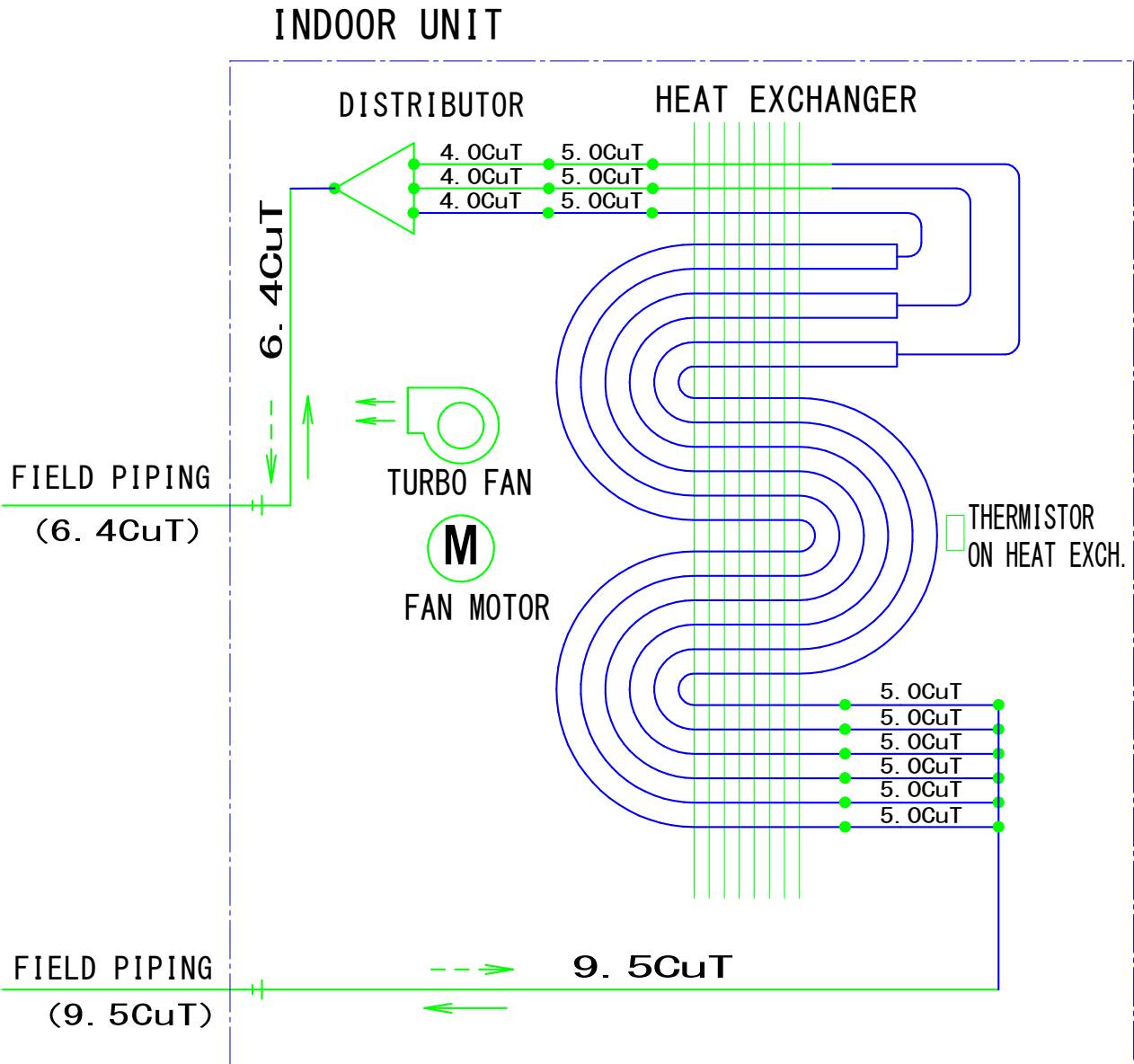


6 Piping diagrams

6 - 1 Piping Diagrams

6

FVXM25-35A
CVXM-A



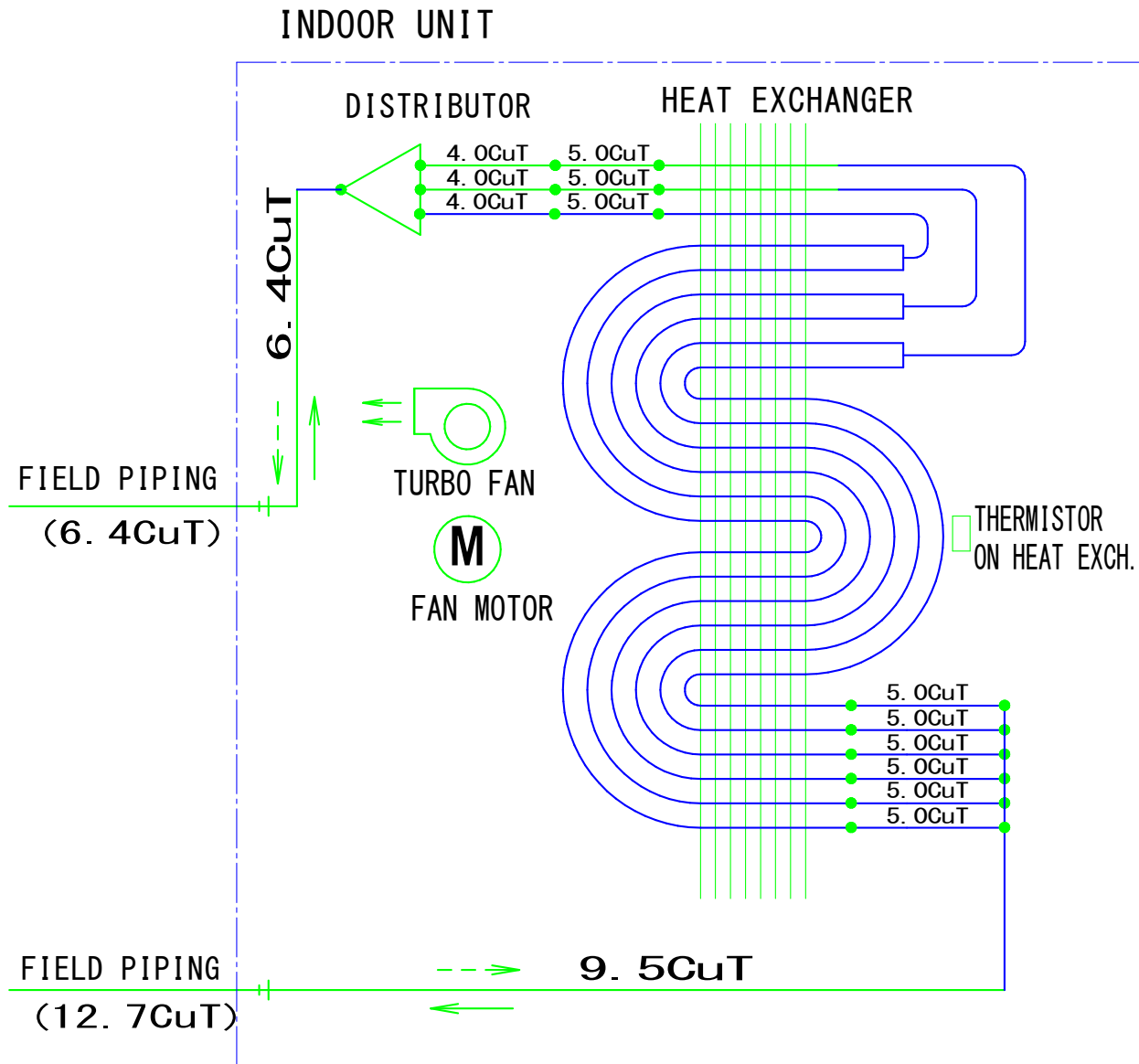
REFRIGERANT FLOW
 ———➤ **COOLING**
 - - - ➤ **HEATING**

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6 Piping diagrams

6 - 1 Piping Diagrams

FVXM50A



REFRIGERANT FLOW

→ COOLING

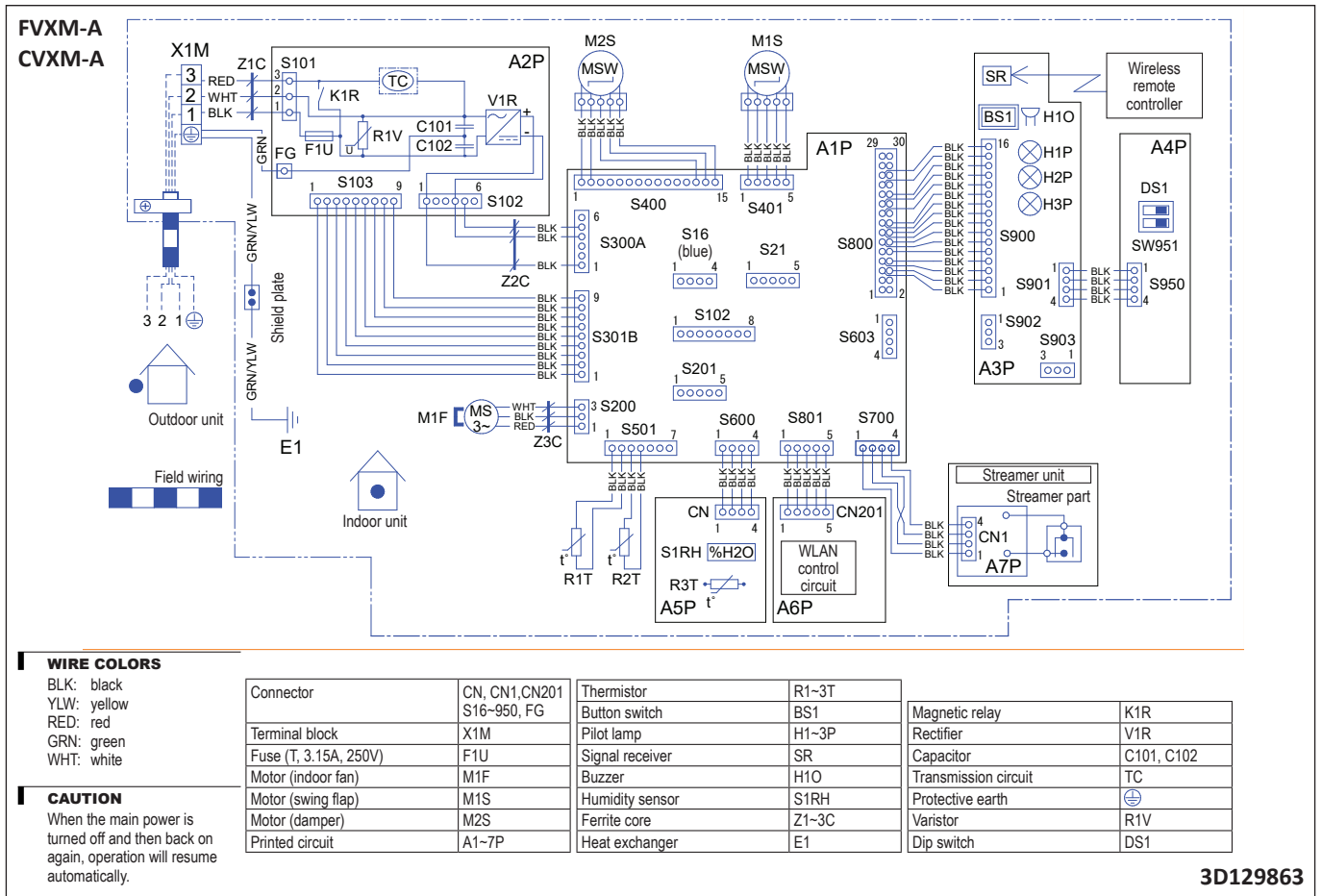
- - - → HEATING

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7 Wiring diagrams

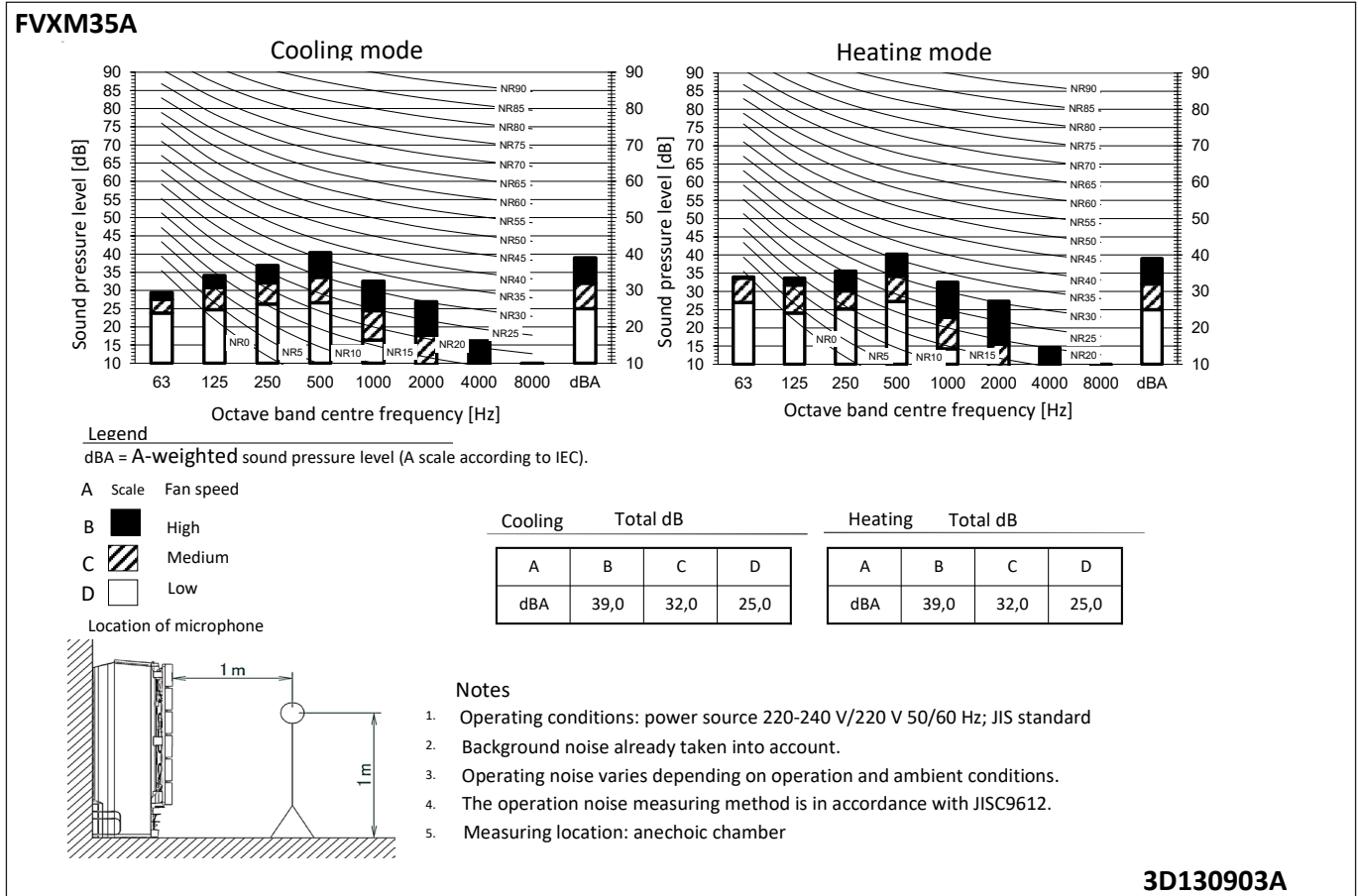
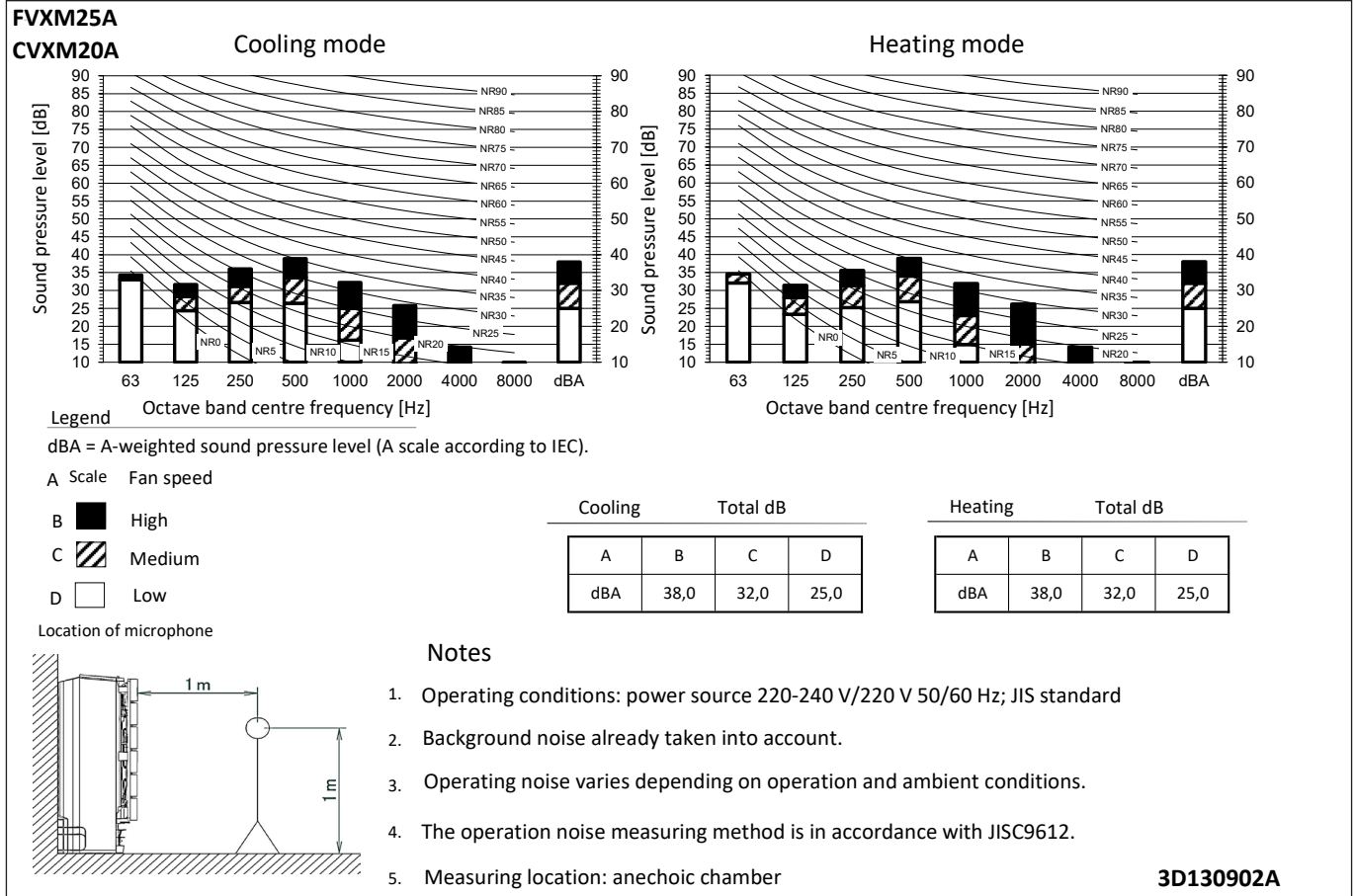
7 - 1 Wiring Diagrams - Single Phase

7



8 Sound data

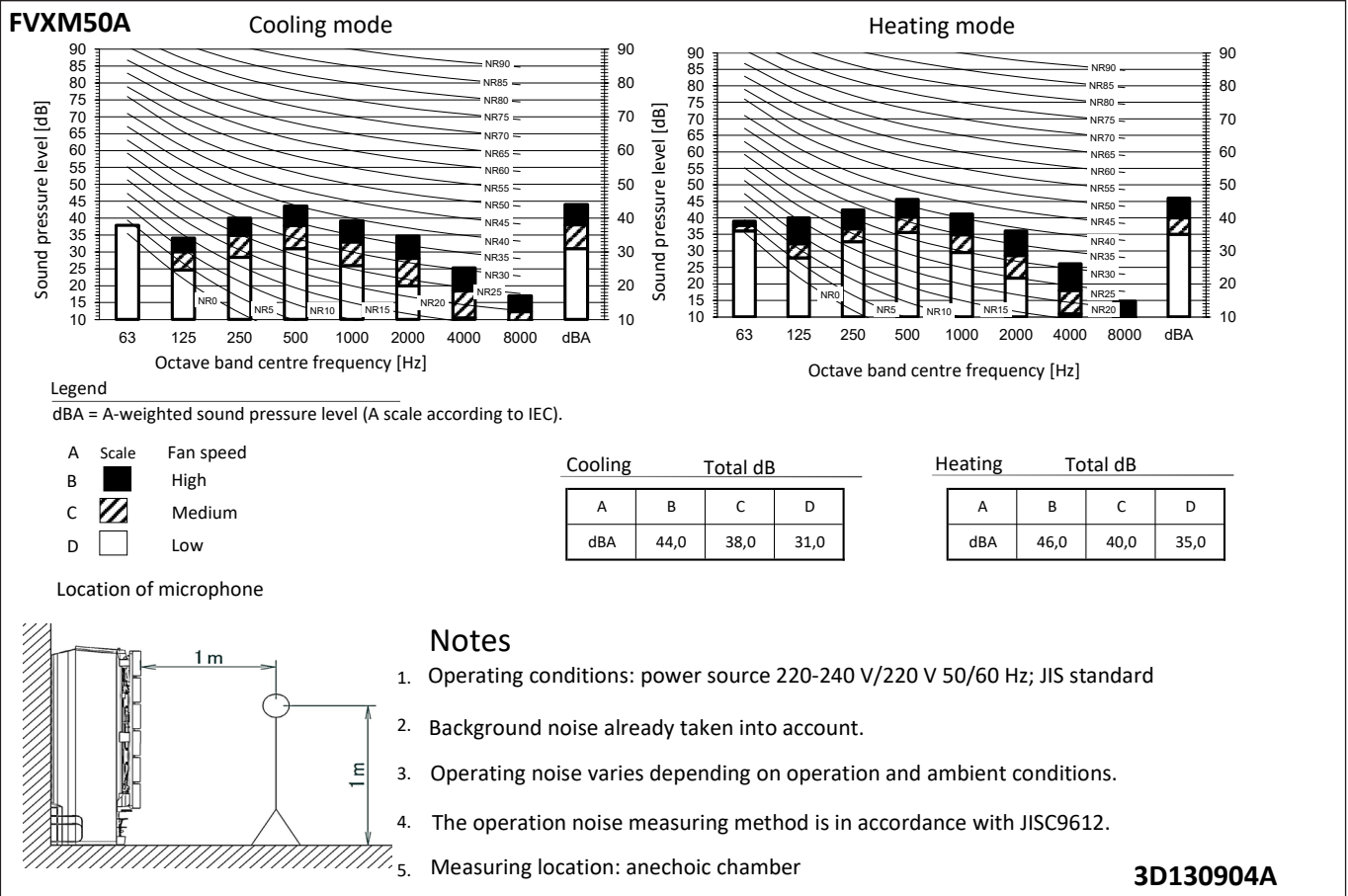
8 - 1 Sound Pressure Spectrum



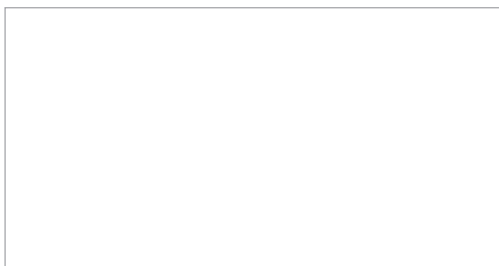
8 Sound data

8 - 1 Sound Pressure Spectrum

8



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06/2022



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