

Floor standing unit
Air Conditioning
Technical Data
CVXM-A9 /
FVXM-A9



CVXM20A3V1B9
FVXM25A3V1B9
FVXM35A3V1B9
FVXM50A3V1B9

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CVXM-A9 / FVXM-A9

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1 Features



















1 - 1 CVXM-A9

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
- › Combinable with up to 5 port multi outdoor units
- › Dual air discharge flow for better air distribution
- › 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
- › 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
- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Quiet operation: down to 19dBA sound pressure level



- | | | | | | | | | |
|--|---|--|---|--|---|--|---|--|
| 
Floor warming | 
Heat plus | 
Onecta app | 
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 (5 steps) | 
Dry programme | 
Practically inaudible |

1 Features

1 - 1 CVXM-A9



Practically inaudible



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

1 Features



















1 - 2 FVXM-A9

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

1

- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- › Excellent contemporary design
- › Combinable with up to 5 port multi outdoor units
- › 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
- › Quiet operation: down to 19dBA sound pressure level



 Floor warming	 Heat plus	 Heat boost	 Onecta app	 Econo mode	 Energy saving during	 Night set mode standby 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 (5 steps)	 Dry programme

1 Features

1 - 2 FVXM-A9



Practically inaudible



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



Practically inaudible

2 Specifications

2 - 1 Specifications

Technical specifications				CVXM20A9			
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		
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		
	Type			Turbo fan			
Fan	Quantity			1			
	Air flow rate	Cooling	High	m ³ /min	8.7		
			Medium	m ³ /min	7		
	Low	m ³ /min	4.9				
cfm		307					
Fan	Air flow rate	Cooling	Low	cfm	173		
			Silent operation	m ³ /min	4.1		
	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		
		Medium	rpm	410			
			rpm	350			
		Low	rpm	710			
			rpm	570			
		Silent operation	rpm	460			
			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			

2 Specifications

2 - 1 Specifications

Technical specifications				CVXM20A9
Piping connections	Liquid	OD	mm	6.40
	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: 2;

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				CVXM20A9
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				FVXM25A9	FVXM35A9	FVXM50A9	
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 Specifications

2

Technical specifications				FVXM25A9	FVXM35A9	FVXM50A9	
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		dBA	52.0	53.0	61.0	
	Heating		dBA	52.0	53.0	62.0	
Sound pressure level	Cooling	High	dBA	38.0	39.0	44.0	
		Medium	dBA		32.0	38.0	
		Low	dBA		25.0	31.0	
		Silent operation	dBA		20.0	27.0	
	Heating	High	dBA	38.0	39.0	46.0	
		Medium	dBA		32.0	40.0	
		Low	dBA		25.0	35.0	
		Silent operation	dBA		19.0	29.0	
Refrigerant	Type	R-32					
	GWP	675					
Piping connections	Liquid	OD	mm	6.40			
	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: 2;

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				FVXM25A9	FVXM35A9	FVXM50A9	
Power supply	Phase	1~					
	Frequency	Hz					
	Voltage	V					
Current	Nominal running current (RLA) - 50Hz	Heating	A	0.2		0.4	
		Quantity	3				
Wiring connections - 50Hz	For power supply	Remark	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-A9
FVXM-A9

Option kit	Product name	Remark New Perfera	Remark New floor stand	Remark Emura 3	Applicable models	Class	Casing			Factory	A-MID	New Floor stand
							Floor Stand	Floor Stand	Floor Stand			
					CVXM20A2V1B, CVXM20A3V1B, CVXM20A3V1B9	20						
					FVXM25A2V1B, FVXM25A3V1B, FVXM25A3V1B9	25						
					FVXM35A2V1B, FVXM35A3V1B, FVXM35A3V1B9	35						
					FVXM50A2V1B, FVXM50A3V1B, FVXM50A3V1B9	50						
Wired remote control	BRC073A1	②③	②③	②③			✓	✓	✓			✓
Extension cord for wired remote control (-3-m)	BRCW901A03						✓	✓	✓			✓
Extension cord for wired remote control (-8-m)	BRCW901A08						✓	✓	✓			✓
Intelligent Tablet Controller	DCC601A51	②③	②③	②③			✓	✓	✓			✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		②③	②③			✓	✓	✓			✓
Interface adaptor for DIII-NET	KRP928BB2S		②③	②③			✓	✓	✓			✓
Central remote control	DCS302CA51	②③	②③	②③			✓	✓	✓			✓
Unified ON/OFF controller	DCS301BA51	②③	②③	②③			✓	✓	✓			✓
Schedule timer	DST301BA51	②③	②③	②③			✓	✓	✓			✓
Intelligent Touch Manager	DCM601A5A	②③	②③	②③			✓	✓	✓			✓
•Modbus- interface	EKMBDXA7V1	②③	②③	②③			✓	✓	✓			✓
Modbus gateway	RTD-RA	②③	②③	②③			✓	✓	✓			✓
•KNX- interface	KLIC-DD	②③	②③	②③			✓	✓	✓			✓
Titanium apatite deodorising filter without frame	KAF970A46	①	①	①			✓	✓	✓			✓
Silver particle filter (Ag-ion) with frame	KAF057A41	①		①			✗	✗	✗			✗
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.

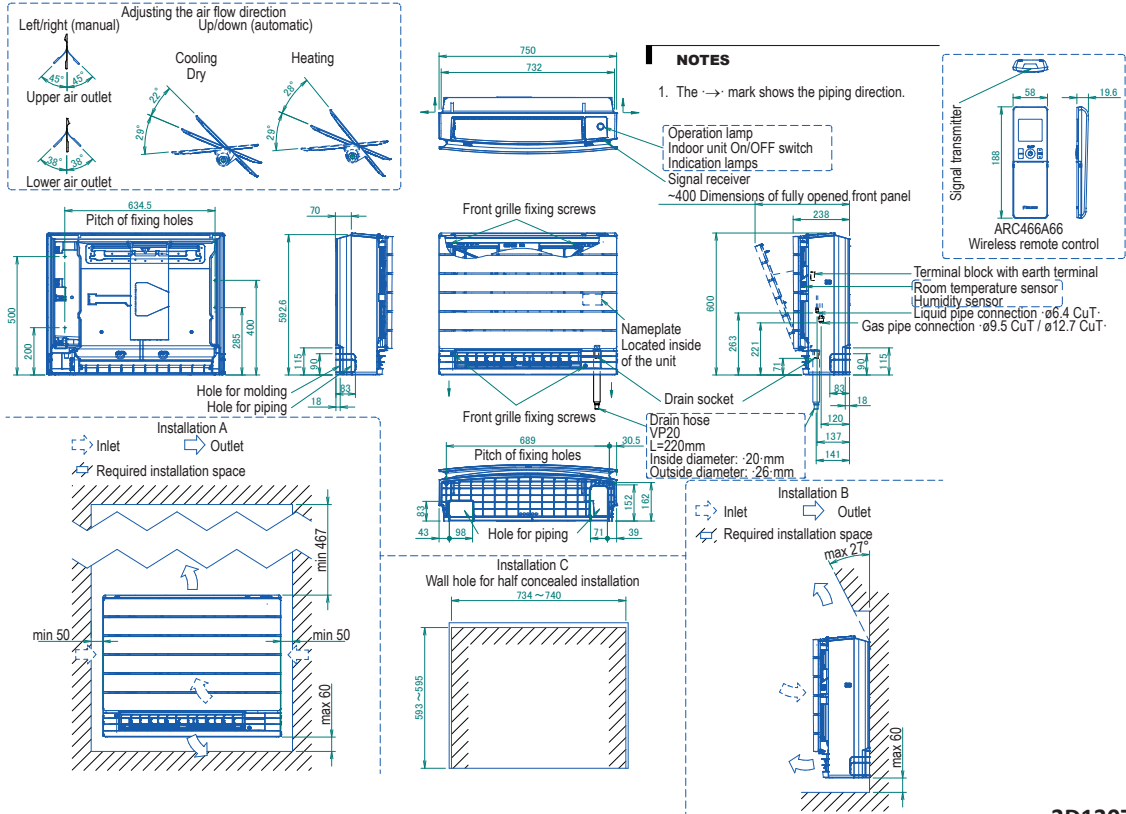
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4 Dimensional drawings

4 - 1 Dimensional Drawings

4

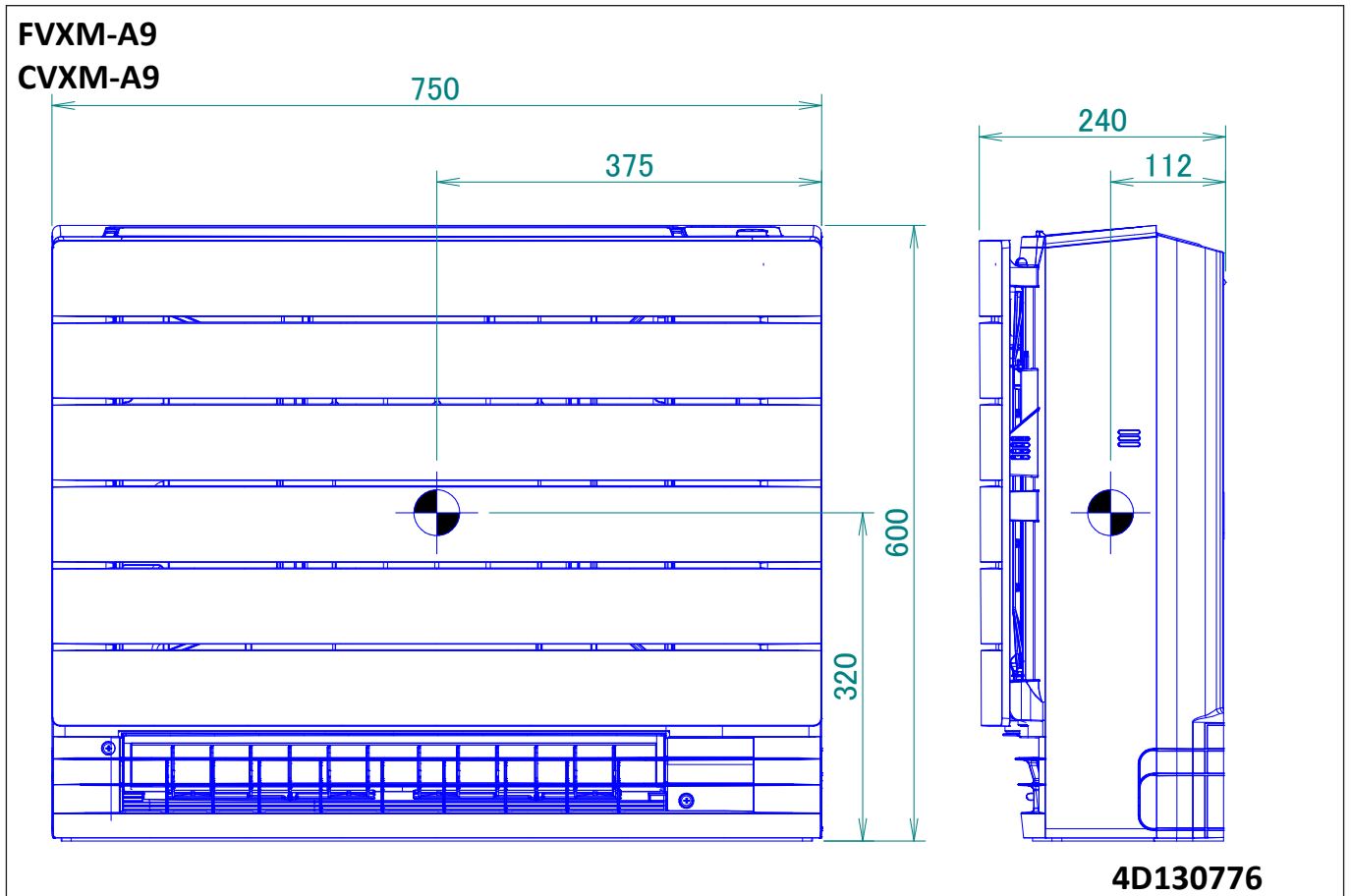
FVXM-A9
CVXM-A9



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5 Centre of gravity

5 - 1 Centre of Gravity

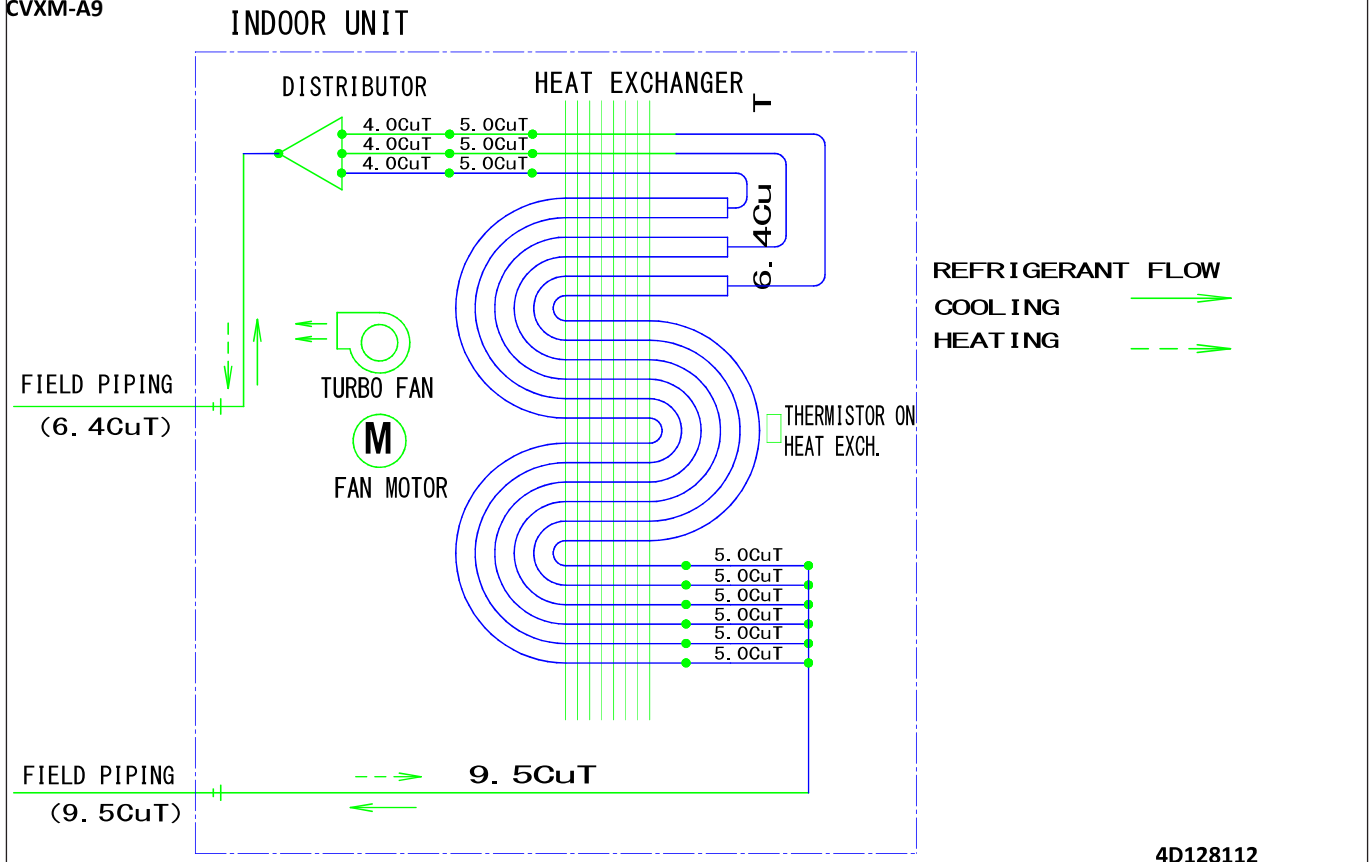


6 Piping diagrams

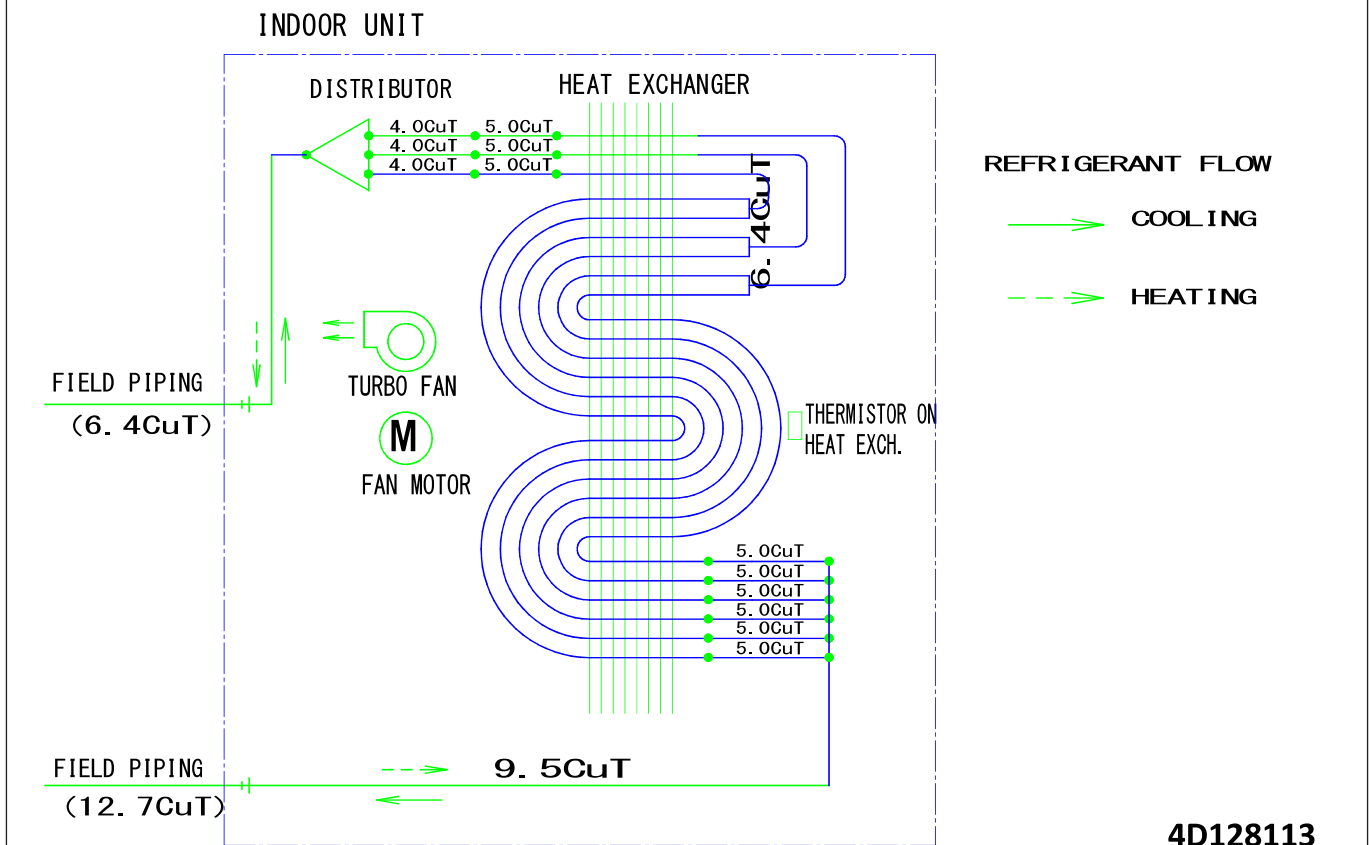
6 - 1 Piping Diagrams

6

FVXM25-35A9
CVXM-A9

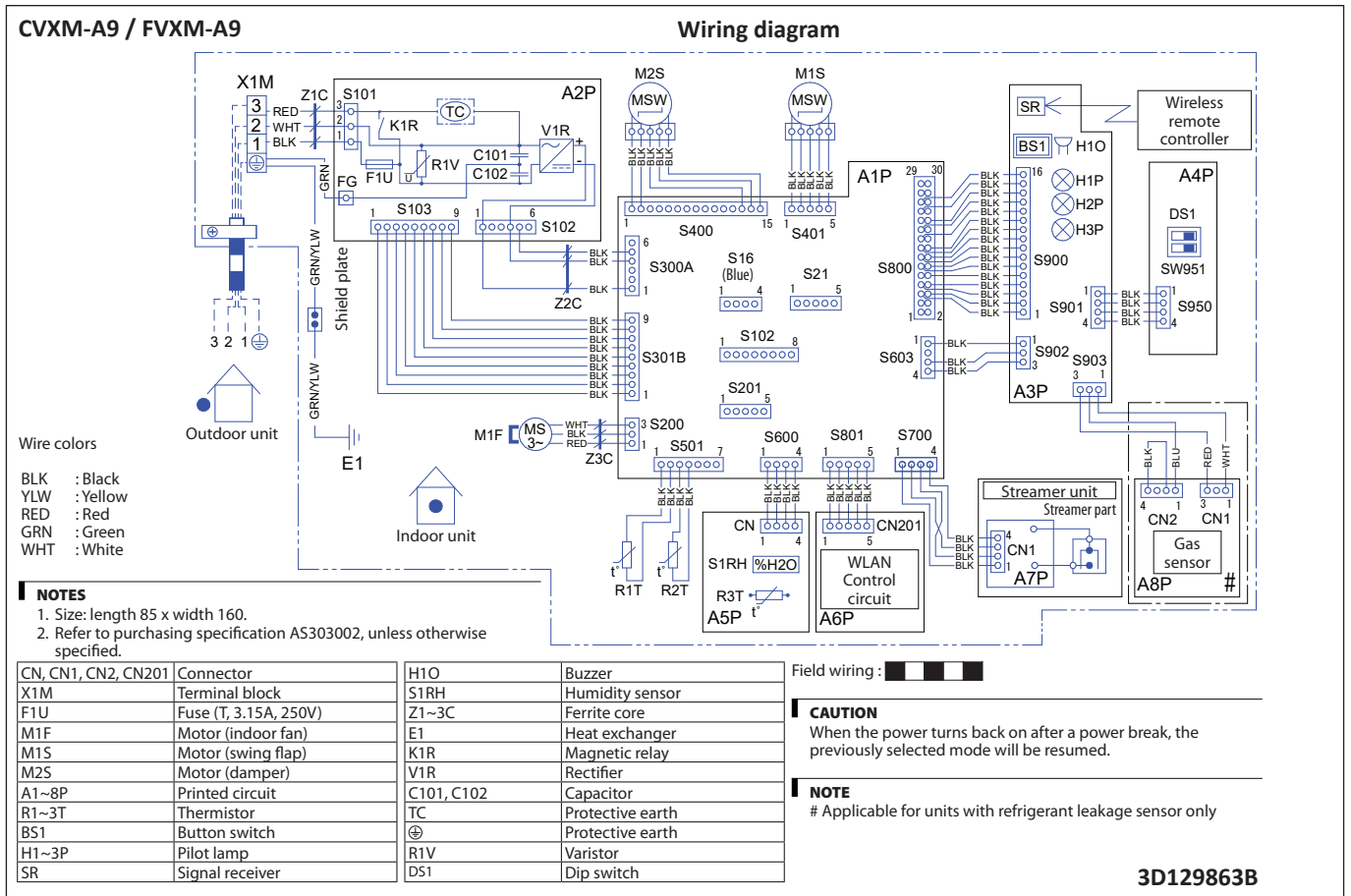


FVXM50A9



7 Wiring diagrams

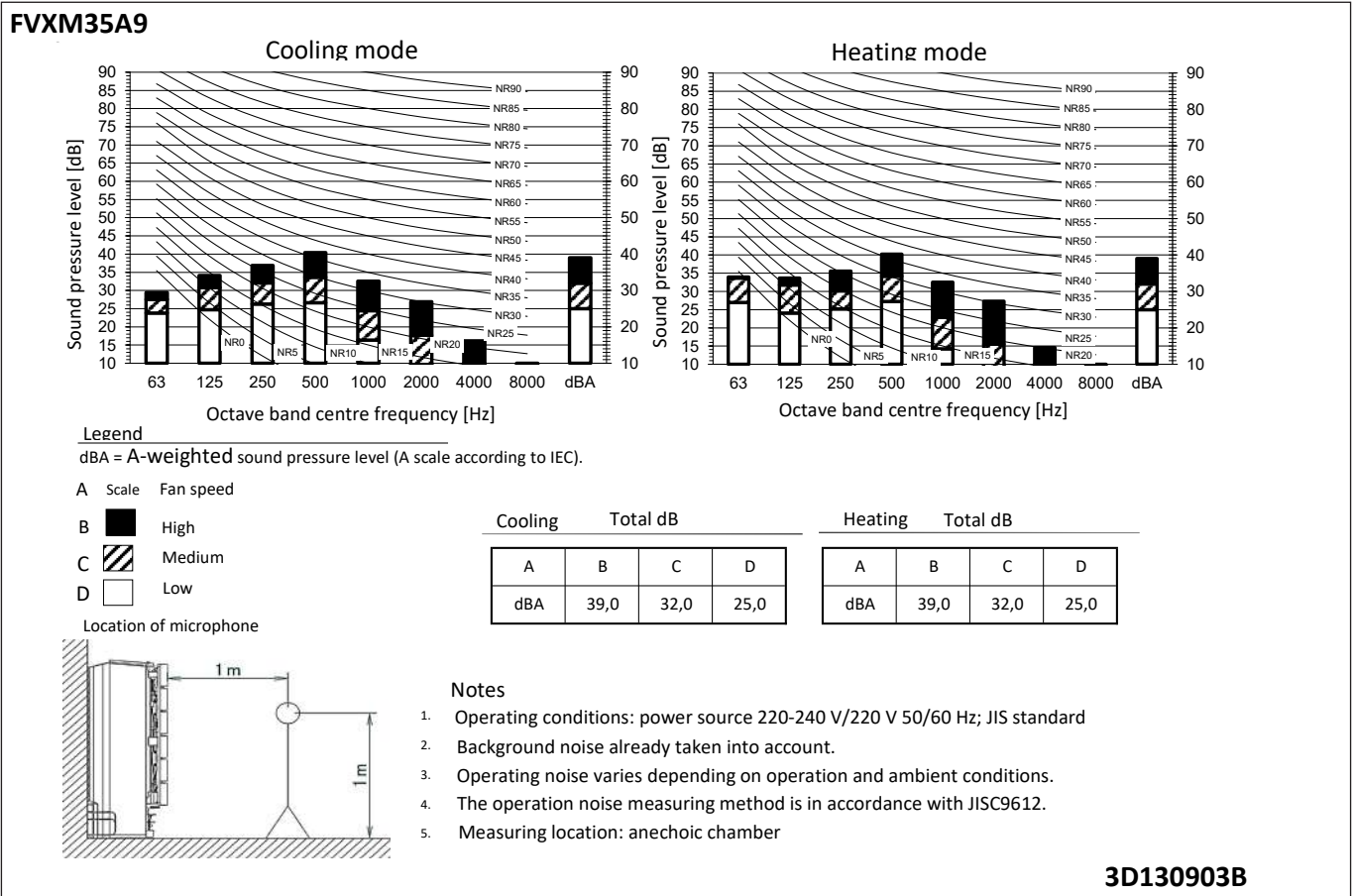
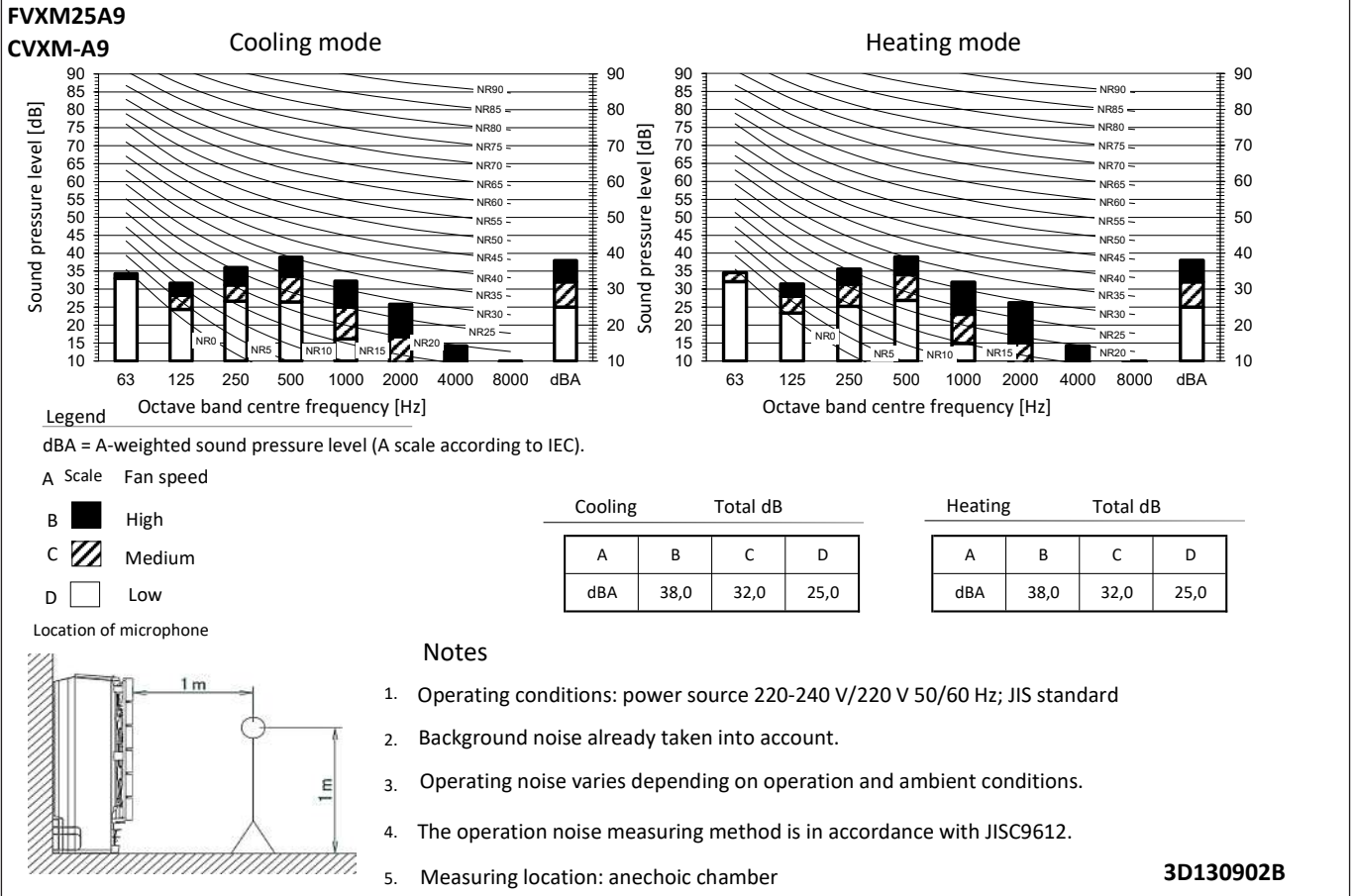
7 - 1 Wiring Diagrams - Three Phase



8 Sound data

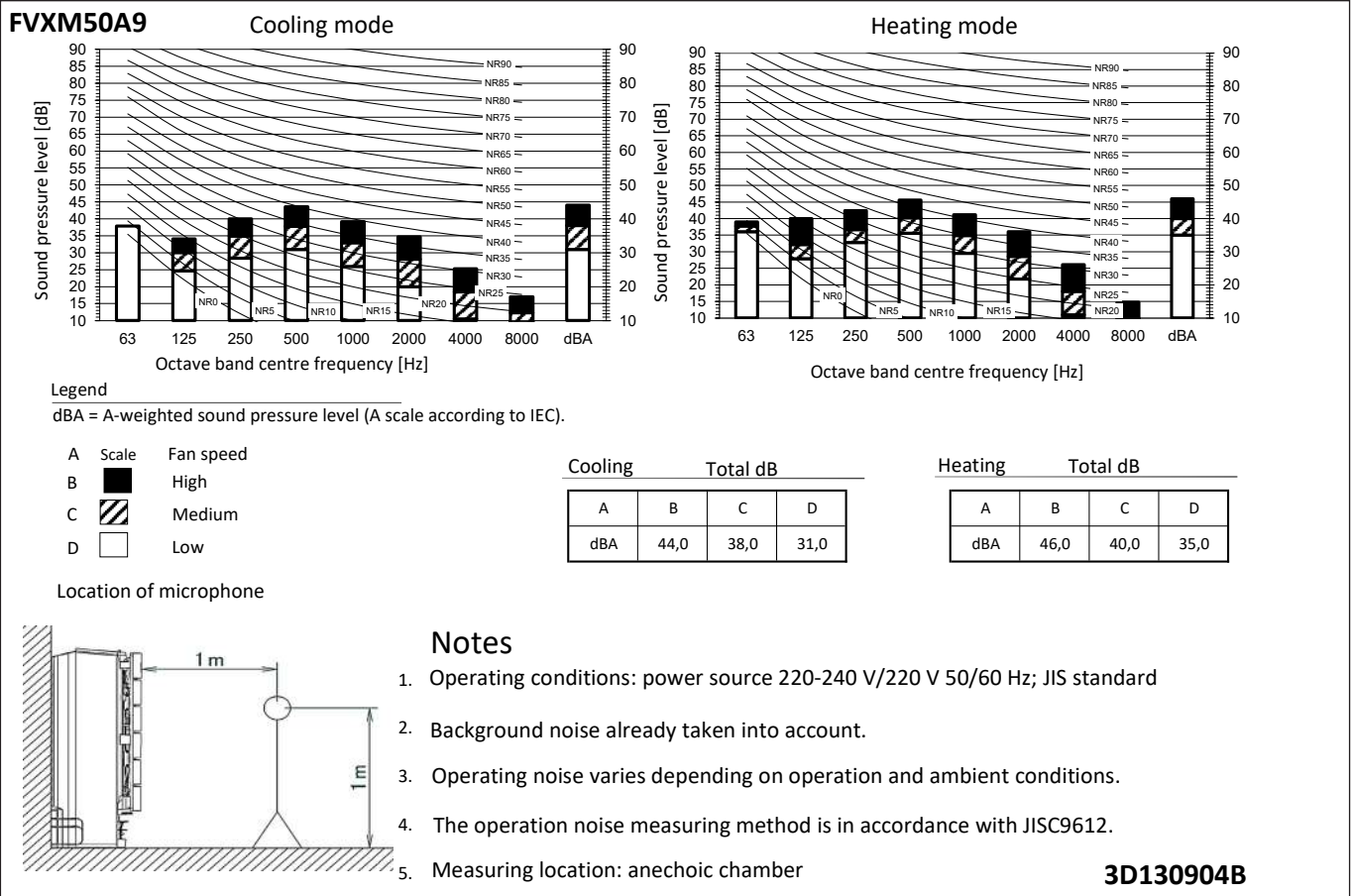
8 - 1 Sound Pressure Spectrum

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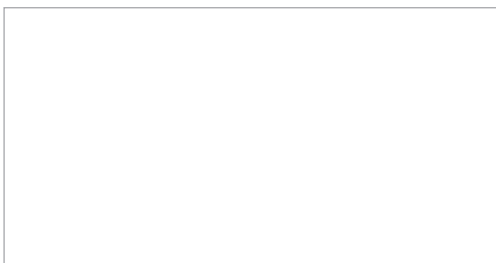


8 Sound data

8 - 1 Sound Pressure Spectrum



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01/2023



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