



Wall mounted unit
Air Conditioning
Technical Data
FTXM-A



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FTXM-A

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1 Features

1 - 1 FTXM-A

Attractive, wall mounted design with perfect indoor air quality

1

- › Seasonal efficiency values up to A+++ in cooling and heating in pair and multi
- › Comfort+: perfect comfort with homogeneous temperature throughout the room. The double flaps direct the air towards the ceiling in heating and along the wall in heating.
- › 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- › 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)
- › Purifies the air of viruses, bacteria and fine dust thanks to the efficient dust filter
- › 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
- › Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- › Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- › 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
- › 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



Heat boost



Comfort+



Econo mode



2 area motion detection sensor



Energy saving during standby mode



Night set mode



Fan only



Powerful mode



Auto cooling-heating changeover

1 Features

1 - 1 FTXM-A



Whisper quiet



Indoor unit silent operation



Outdoor unit silent operation



3-D air flow



Vertical auto swing



Horizontal auto swing



Auto fan speed



Dry programme



Silver allergen removal and air purifying filter



Flash Streamer



Practically inaudible



Titanium apatite deodorising filter



Air purification filter



Weekly timer



Infrared remote control



Wired remote control



Centralised control



Onecta via app



Auto-restart



Self diagnosis



Multi model application

2 Specifications

2 - 1 Specifications

Technical specifications				FTXM20A	FTXM25A	FTXM35A	FTXM42A	FTXM50A				
Power input	Cooling		kW	0.019		0.029	0.031	0.034				
	Heating		kW	0.018		0.019	0.035	0.036				
Casing	Colour			White								
Dimensions	Unit	Height	mm	298								
		Width	mm	804								
		Depth	mm	252								
	Packed unit	Height	mm	350								
		Width	mm	875								
		Depth	mm	380								
Weight	Unit		kg	11.5								
	Packed unit		kg	13								
Packing	Weight		kg	2								
Heat exchanger	Length		mm	622								
	Rows	Quantity		2								
		Fin pitch		mm	1.40							
	Face area		m ²	0.214								
	Stages	Quantity		18								
		Passes	Quantity		2.20		2.40		3.43			
	Tube type			ø5 Hi-XB								
	Tube material			Copper								
	Tube diameter		mm	5								
	Fin	Type		Multi slit fin								
	Heat exchanger 2	Quantity			2		1					
		Length		mm	622							
Rows		Quantity		1								
		Fin pitch		mm	1.40							
Face area			m ²	0.047		0.094						
Stages		Quantity		4		8						
Heat exchanger 3	Length		mm	-								
	Rows	Quantity		-								
		Fin pitch		mm	-							
	Stages	Quantity		-								
Fan	Type			Cross flow fan								
	Air flow rate	Cooling	High	m ³ /min	11.9		13.2		13.3		12.7	
cfm				420		466		470		448		
Medium				m ³ /min	8.9		9.4		9.8		10.4	
Fan	Air flow rate	Cooling	Medium	cfm	314		332		346		367	
				Low	m ³ /min	6.3		7.1		7.2		7.8
					cfm	222		251		254		275
	Silent operation	m ³ /min	4.9		4.6		5.0		5.9			
			cfm	173		162		177		208		
		Heating	High	m ³ /min	11.4		11.1		14.0		14.5	
				cfm	403		392		494		512	
				Medium	m ³ /min	9.2		9.4		10.0		11.5
		Low	cfm	325		332		353		406		
				m ³ /min		6.9		7.1		8.6		
cfm			244		251		304					
Silent operation	m ³ /min	4.9		5.1		5.3		6.9				
	cfm	173		180		187		244				
Fan motor	Model			DFH04E1VA								
	Speed	Steps		5 + silent, + auto								
Sound power level	Cooling	High	rpm	900		1,040		1,060		1,090		
				Medium	720		800		850		890	
				Low	570		670		680		720	
				Silent operation		480		510		600		
	Heating	High	rpm	880		890		1,100		1,110		
				Medium	750		790		860		950	
				Low	620		650		690		780	
		Silent operation	rpm	500		530		540		650		
				Output	Rated	W	35					
				Cooling	dBA	54		58		60		
Heating	dBA	53				60						
Sound pressure level	Cooling	High	dBA	41		45		46				
				Medium	33		37		40			
				Low	25		29		30			
				Silent operation		19		21		27		
	Heating	High	dBA	39		45		46				
				Medium	34		35		41			
				Low	26		27		28			
		Silent operation	dBA	20		21		31				
				Refrigerant	Type		R-32					
				GWP		675						

2 Specifications

2 - 1 Specifications

Technical specifications				FTXM20A	FTXM25A	FTXM35A	FTXM42A	FTXM50A
Heat exchanger 3	Quantity		mm	-			1	
Piping connections	Liquid	OD	mm			6.4		
	Gas	OD	mm		9.5			12.7
	Drain					16		
	Heat insulation					Both liquid and gas pipes		
Air filter	Type					Removable / washable		
Air direction control						Right, Left, Horizontal, Downward		
Temperature control						Microcomputer control		
Control systems	Infrared remote control					ARC466A86		
	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: Screw bag;Quantity: 1;

Standard accessories: Remote control holder;Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter;Quantity: 1;

Standard accessories: Silver particle filter;Quantity: 1;

Standard accessories: Screw cover;Quantity: 2;

Standard accessories: Installation plate;Quantity: 1;

Electrical specifications				FTXM20A	FTXM25A	FTXM35A	FTXM42A	FTXM50A
Power supply	Name					V1		
	Phase					1~		
	Frequency		Hz			50		
	Voltage		V			220-240		
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	0.3			0.4	

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m |
 Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m

3 Options

3-1 Options

3

ATXM-A
CTXM-A
FTXM-A

Option kit	Product name	Remark New Perfera	Remark New floor stand	Remark Emura 3	Remark Zeta S	Applicable models	Class	Casing	Factory	OH5										
										Perfera	Emura 3	OH5 Emura 3	OH5 New floor stand	Zeta	DICZ	A2-DICZ AS-DPAS	DICZ	A2-DICZ AS-DPAS		
Wired remote control	BRC073A1	②③	②③	②③	②③	FTXM3DSV1B	30	R32 BMS	DICZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (3-m)	BRCW901A03					FTXM4DSV1B	40	R32 BML	DICZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (8-m)	BRCW901A08					FTXM4DSV1B	40	R32 BML	DICZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Tablet Controller	DCC601A51	②③	②③	②③	②③	FTXT3DAV1BW	30	Emura 3	DICZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		②③	②③	②③	FTXT3DAV1BW	30	Emura 3	DICZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP9288B2S		②③	②③	②③	FTXT3DAV1BB	30	Emura 3	DICZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Central remote control	DCS302CA51	②③	②③	②③	②③	PVXTM3DSV1B	30	Floor stand	DICZ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51	②③	②③	②③	②③	CTM15A2V1B / CTM15A5V1B	15			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schedule timer	DST301BA51	②③	②③	②③	④	FTM00A2V1B / FTM00A5V1B	20			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Touch Manager	DCM601A5A	②③	②③	②③	②③	FTM25A2V1B / FTM25A5V1B	25			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus interface	EKM8DXA7V1	②③	②③	②③	②③	FTM35A2V1B / FTM35A5V1B	35			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus gateway	RTD-RA	②③	②③	②③	②③	FTM42A2V1B / FTM42A5V1B	42			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KNX interface	KLIC-DD	②③	②③	②③	②③	FTM50A2V1B / FTM50A5V1B	50			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46	①	①	①	①	FTM60A2V1B / FTM60A5V1B	60			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41	①	①	①	①	FTM71A2V1B	71			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Conversion wire harness	EKRS21					ATM00A2V1B / ATM00A5V1B	20			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
						ATM25A2V1B / ATM25A5V1B	25			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
						ATM35A2V1B / ATM35A5V1B	35			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
						ATM50A2V1B / ATM50A5V1B	50			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Notes

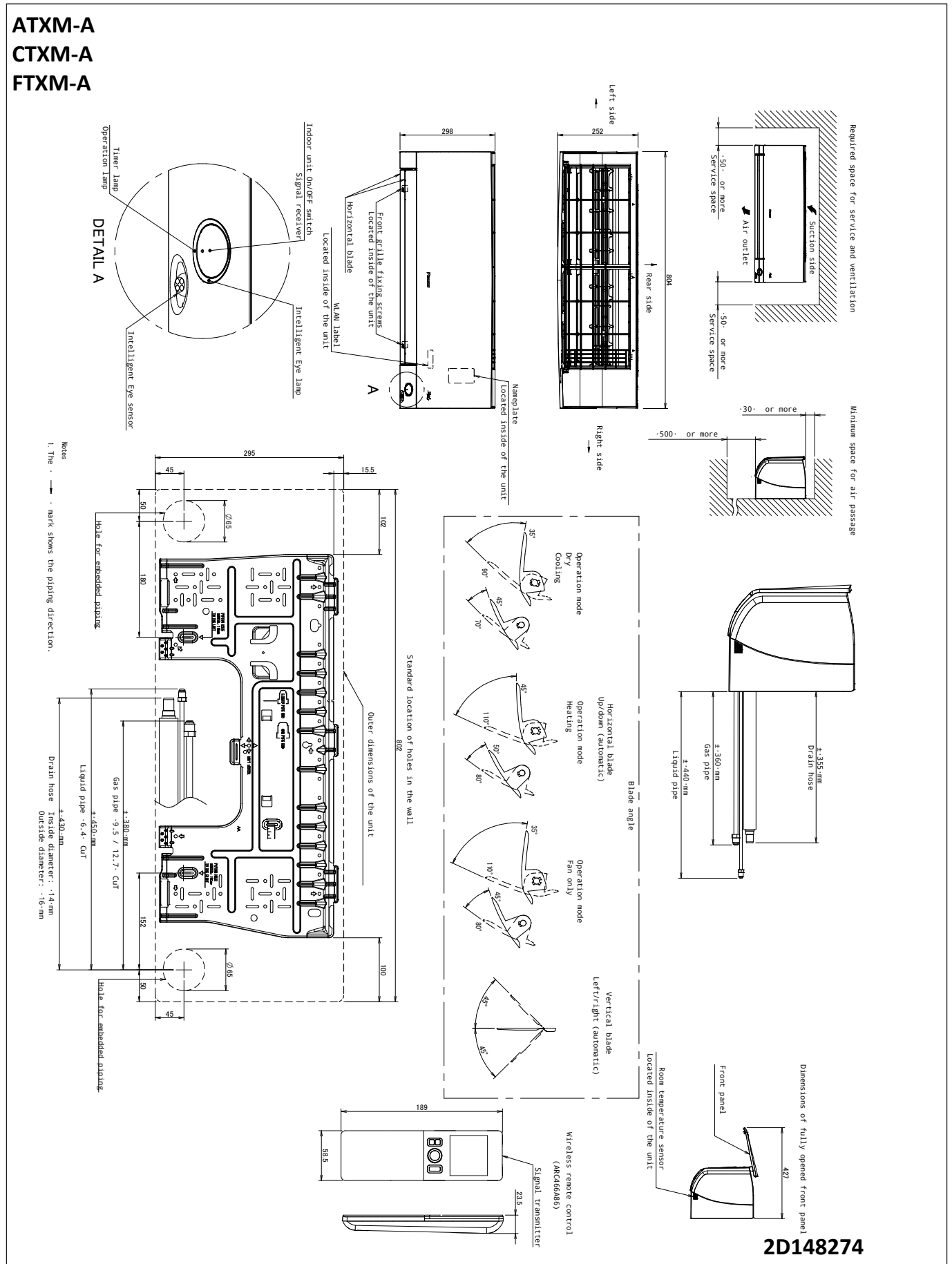
- Standard accessory
- This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness ·EKRS21- is required.
- This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
When connecting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

3D120481H

4 Dimensional drawings

4 - 1 Dimensional Drawings

ATXM-A
CTXM-A
FTXM-A

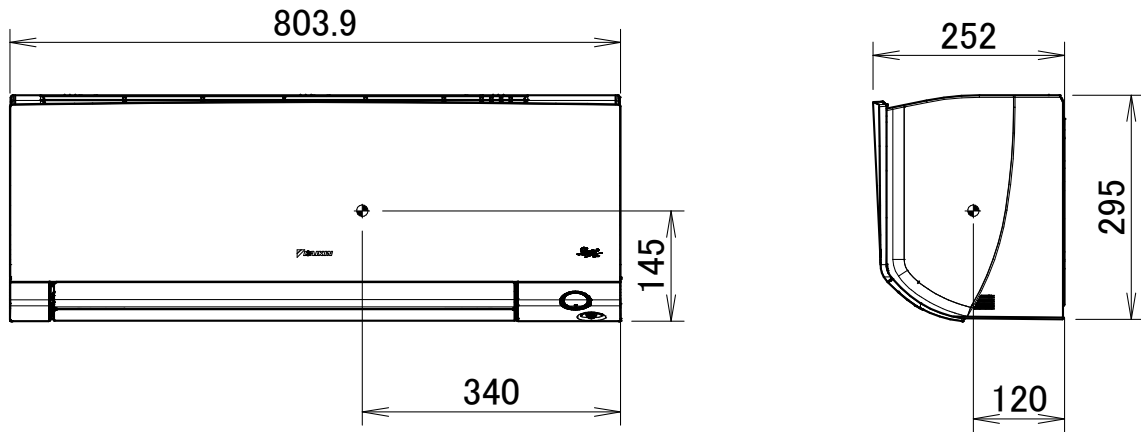


5 Centre of gravity

5 - 1 Centre of Gravity

5

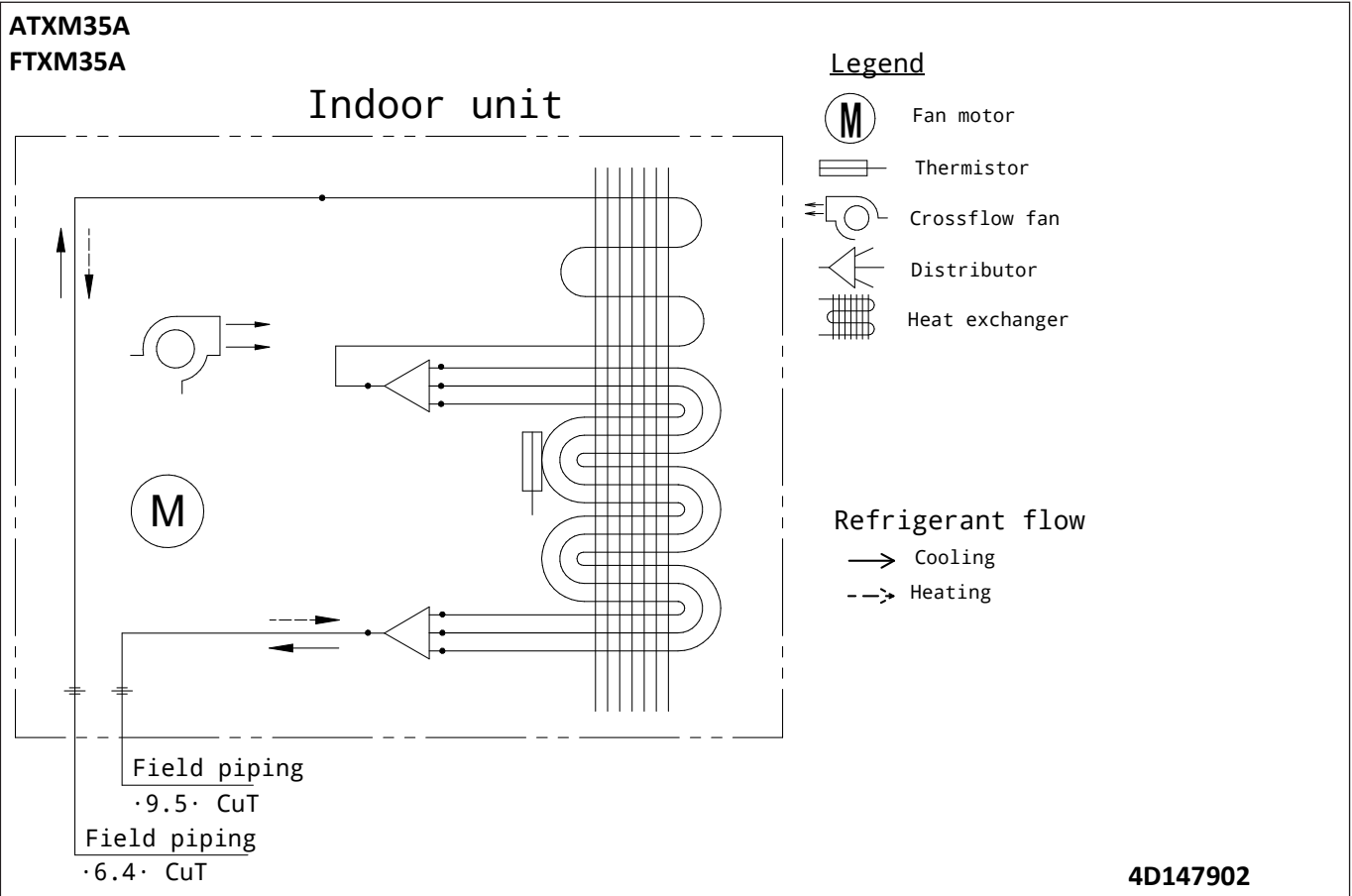
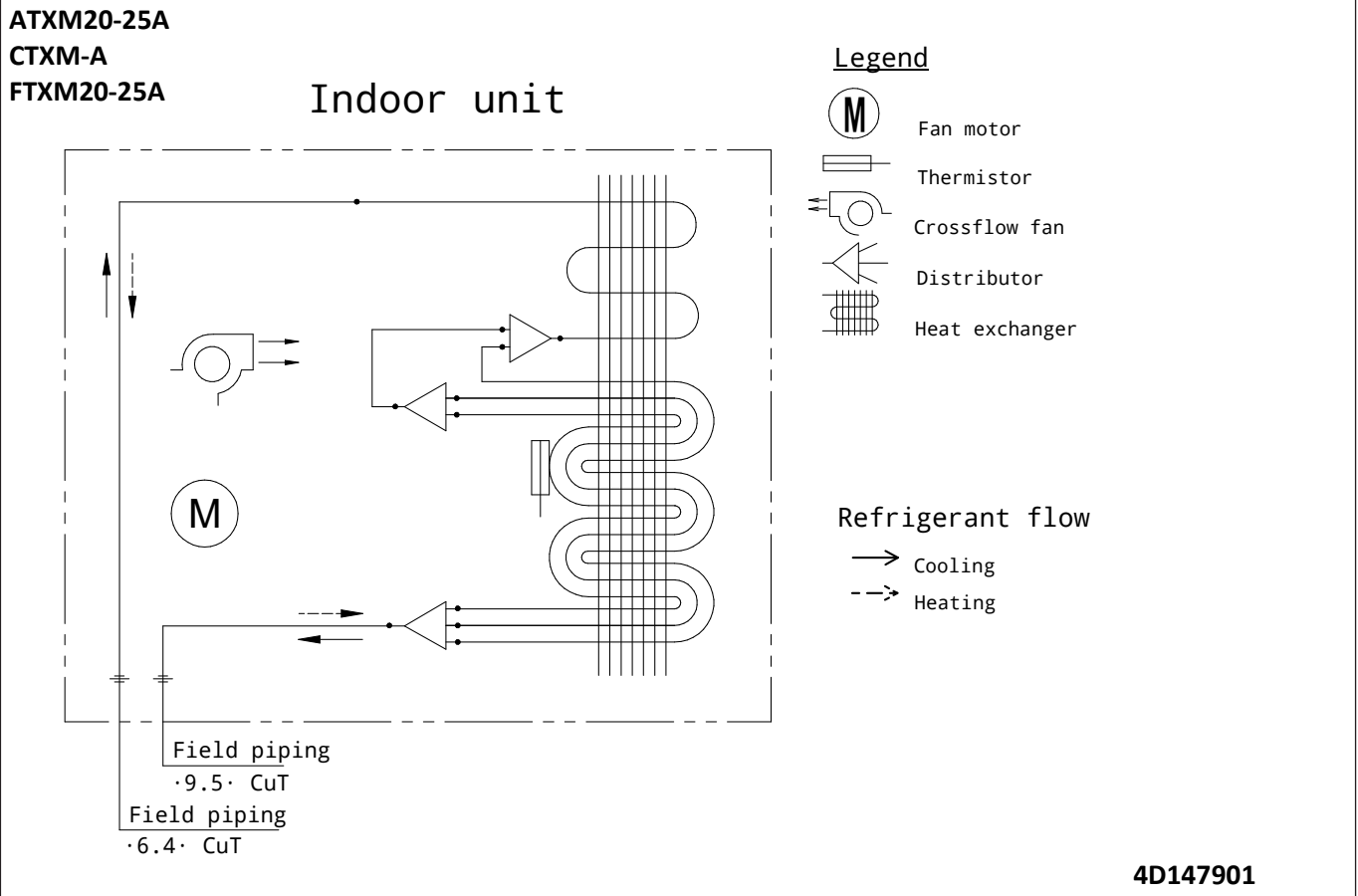
ATXM-A
CTXM-A
FTXM-A



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6 Piping diagrams

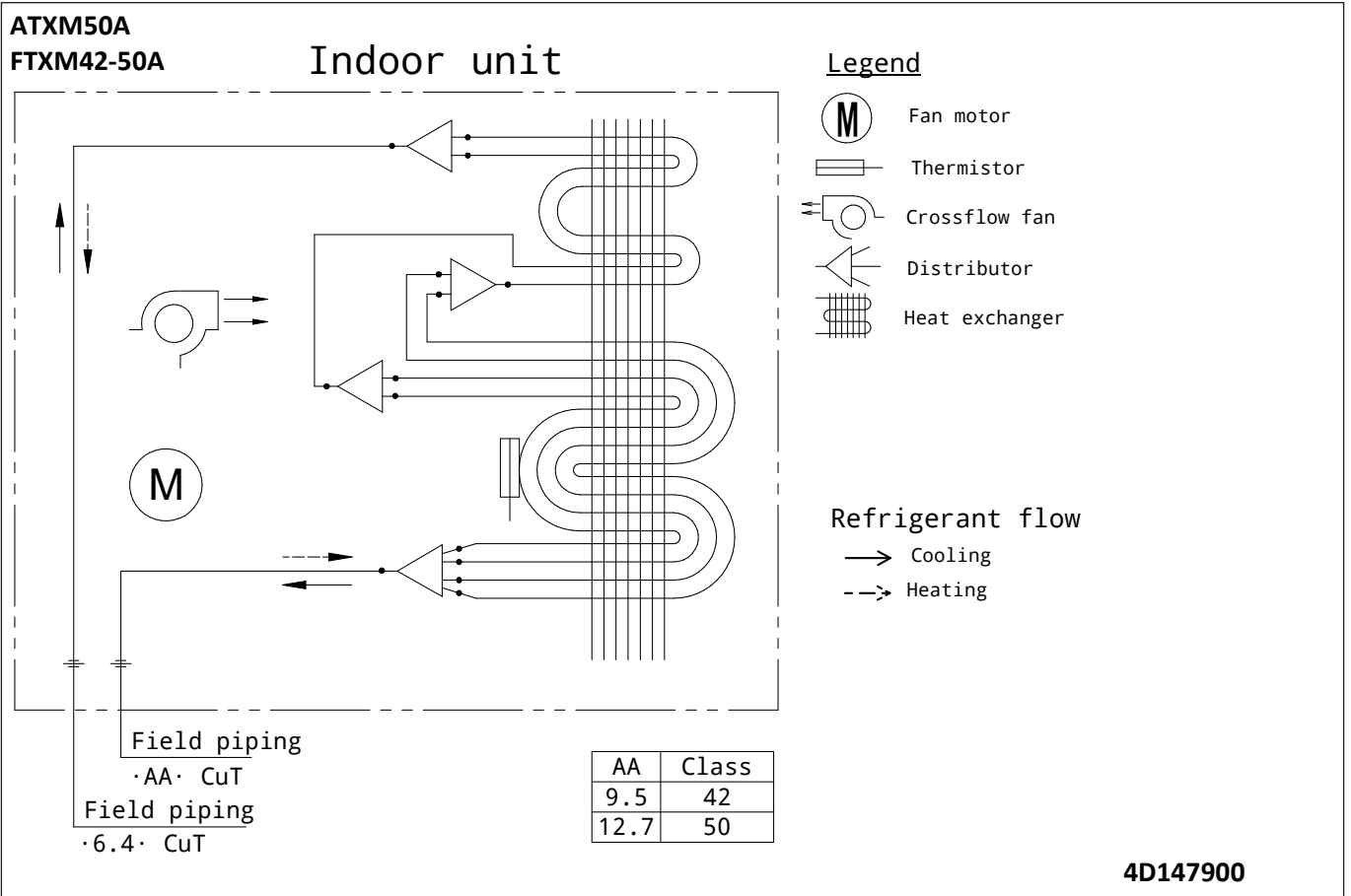
6 - 1 Piping Diagrams



6 Piping diagrams

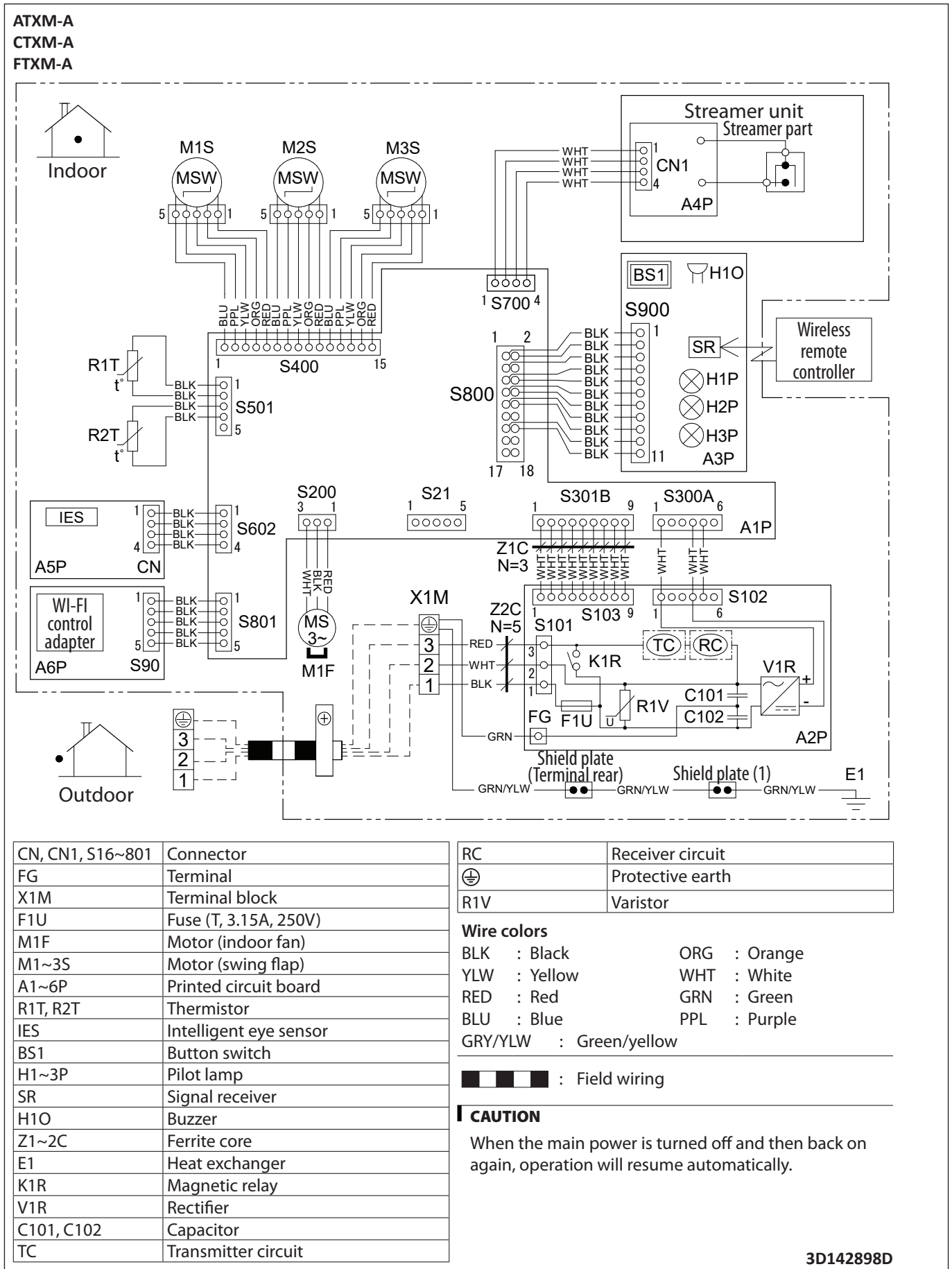
6 - 1 Piping Diagrams

6



7 Wiring diagrams

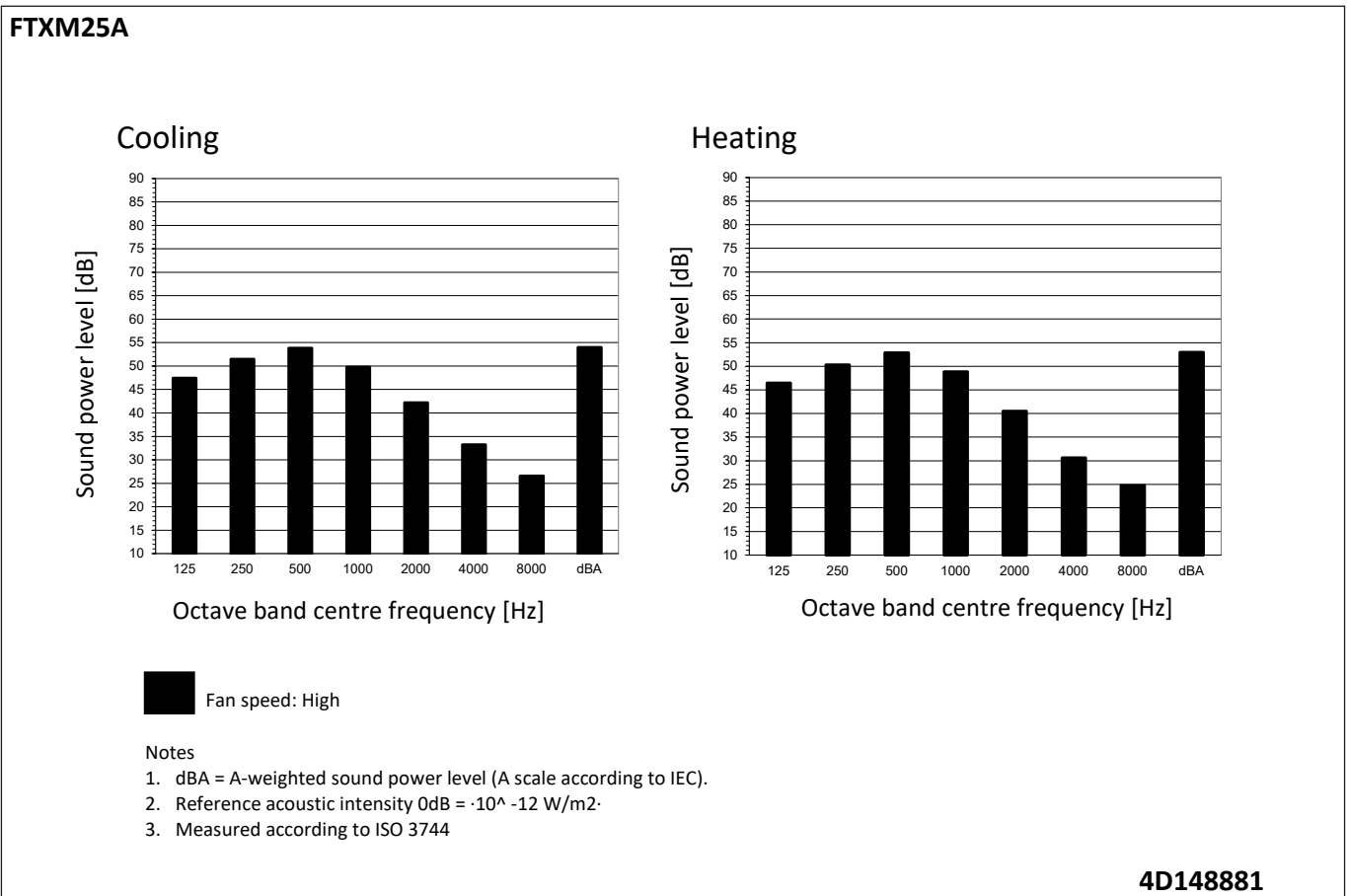
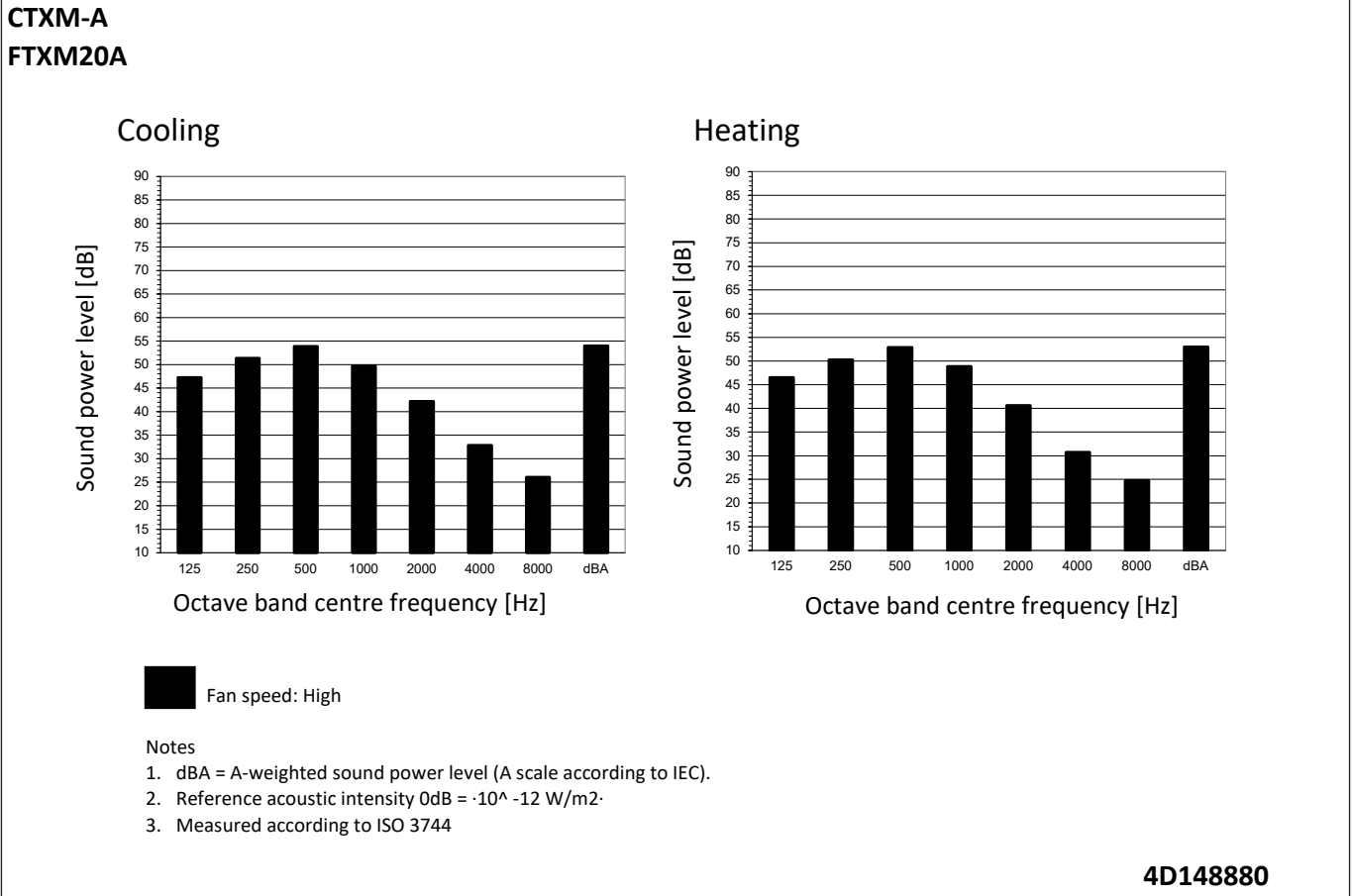
7 - 1 Wiring Diagrams - Three Phase



8 Sound data

8 - 1 Sound Power Spectrum

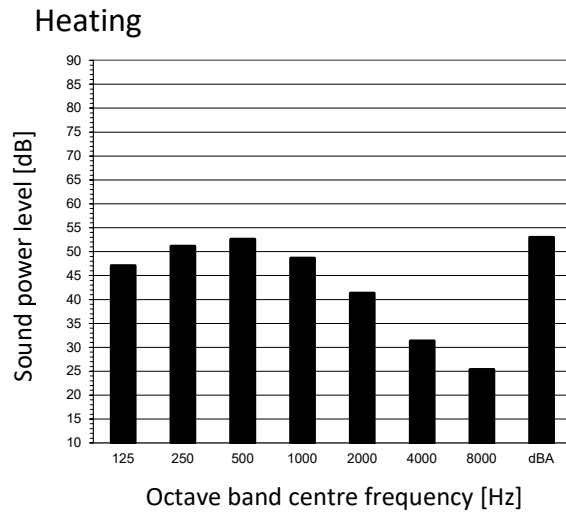
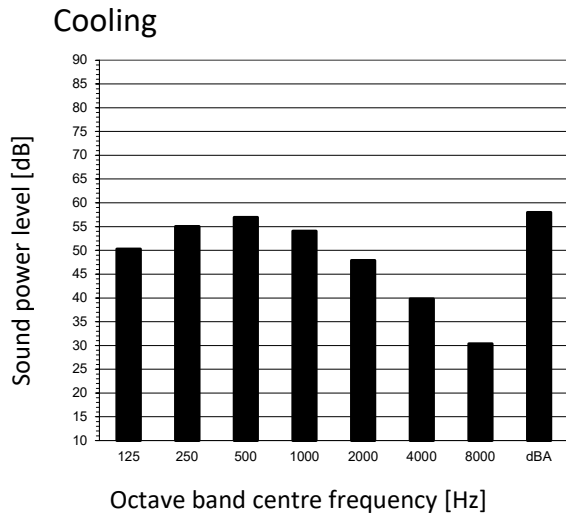
8



8 Sound data

8 - 1 Sound Power Spectrum

FTXM35A

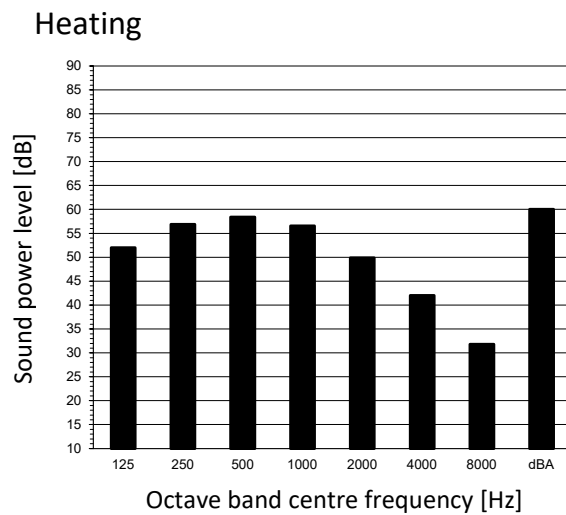
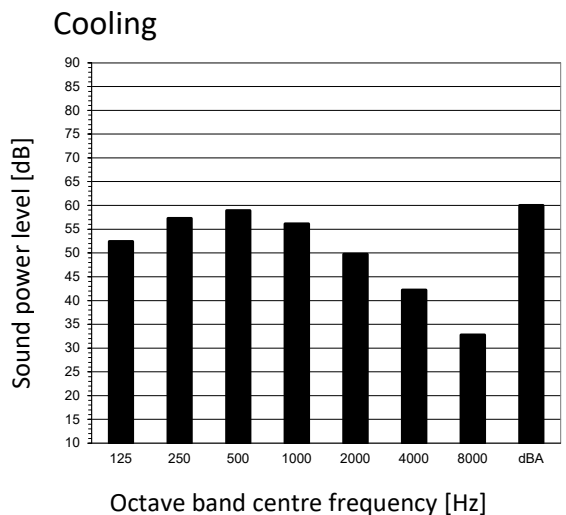


Fan speed: High

- Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
 2. Reference acoustic intensity 0dB = $\cdot 10^{-12}$ W/m².
 3. Measured according to ISO 3744

4D148882

FTXM42A



Fan speed: High

- Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
 2. Reference acoustic intensity 0dB = $\cdot 10^{-12}$ W/m².
 3. Measured according to ISO 3744

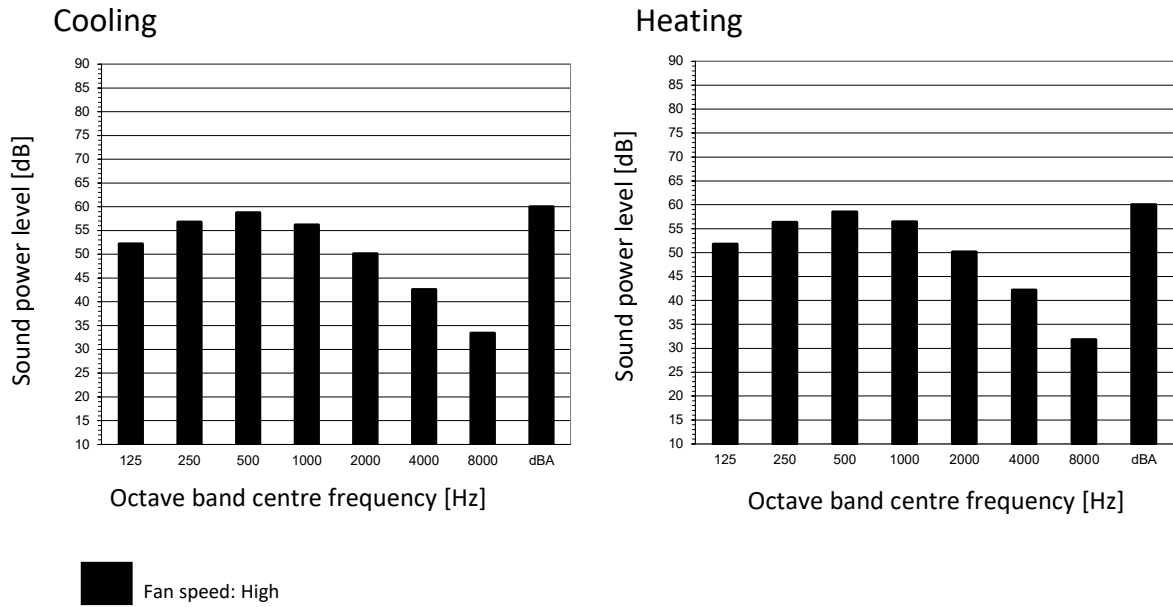
4D148883

8 Sound data

8 - 1 Sound Power Spectrum

8

ATXM50A
FTXM50A



- Notes
1. dBA = A-weighted sound power level (A scale according to IEC).
 2. Reference acoustic intensity $0\text{dB} = 10^{-12} \text{ W/m}^2$.
 3. Measured according to ISO 3744

4D148884

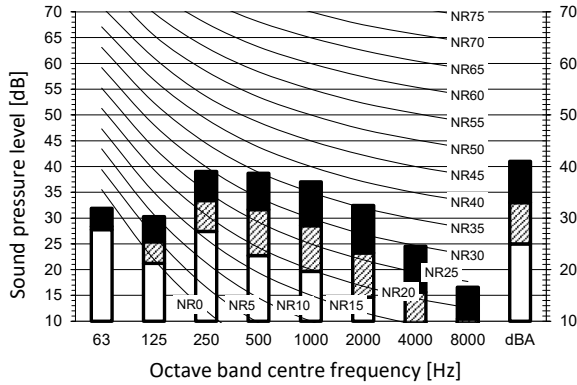
8 Sound data

8 - 2 Sound Pressure Spectrum

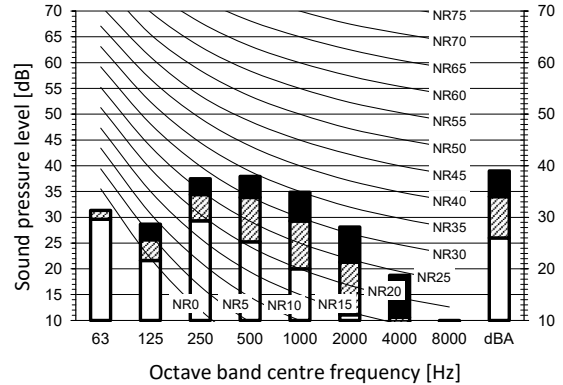
ATXM20A

CTXM-A

FTXM20A Cooling mode



Heating mode



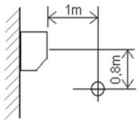
Legend

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

A Scale

- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Location of microphone



Cooling Total dB

A	B	C	D
dBA	41	33	25

Heating Total dB

A	B	C	D
dBA	39	34	26

Notes

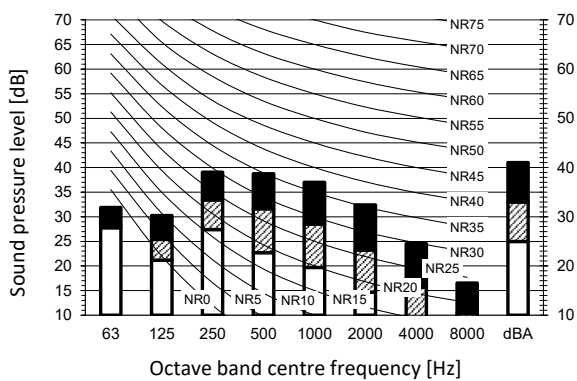
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

4D148915A

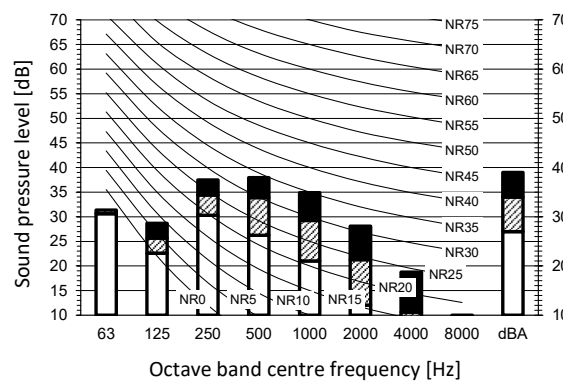
ATXM25A

FTXM25A

Cooling mode



Heating mode



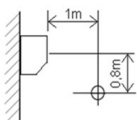
Legend

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

A Scale

- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Location of microphone



Cooling Total dB

A	B	C	D
dBA	41	33	25

Heating Total dB

A	B	C	D
dBA	39	34	27

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

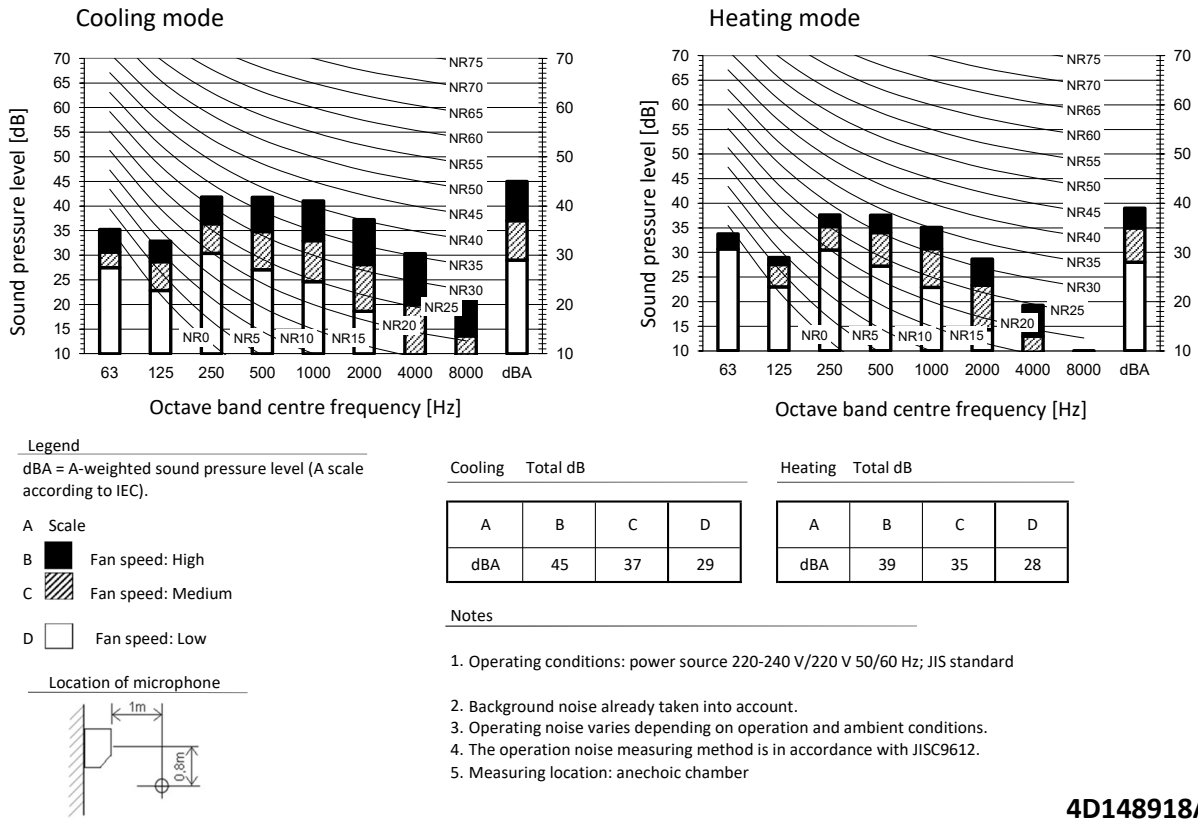
4D148916A

8 Sound data

8 - 2 Sound Pressure Spectrum

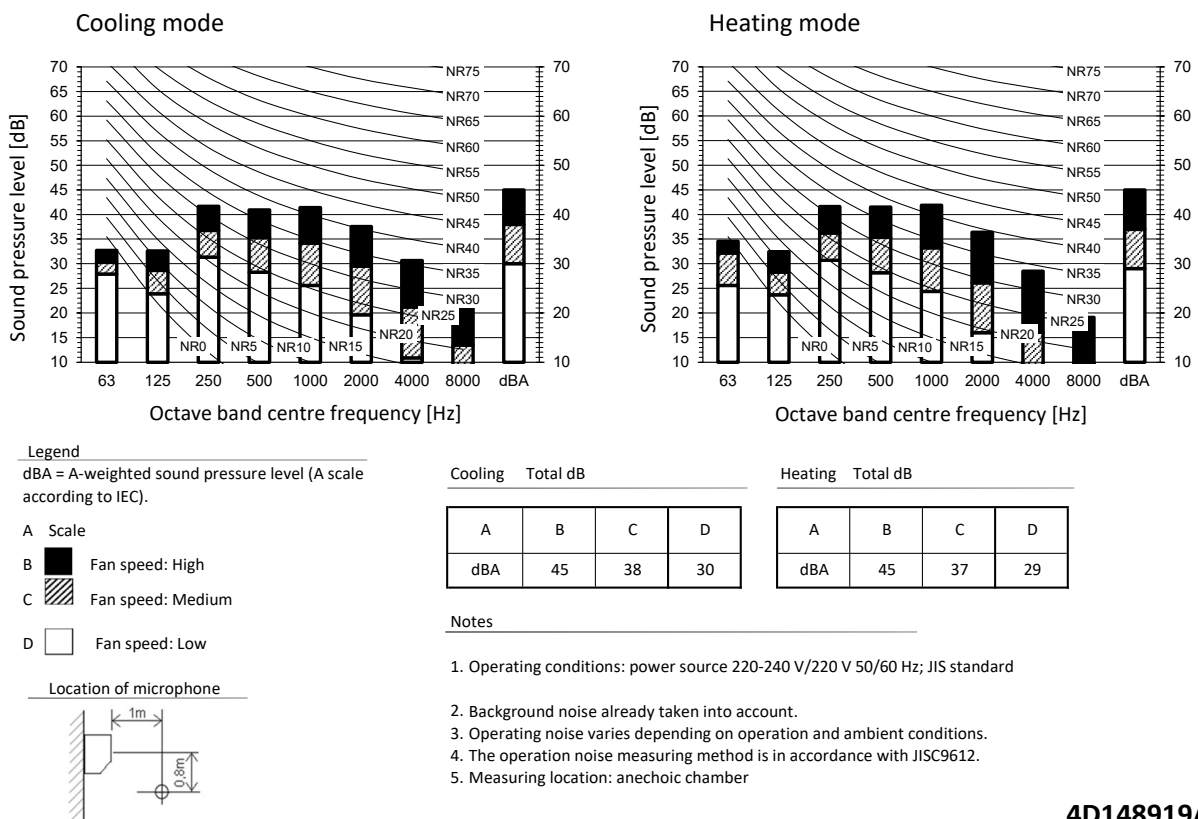
8

ATXM35A FTXM35A



4D148918A

FTXM42A

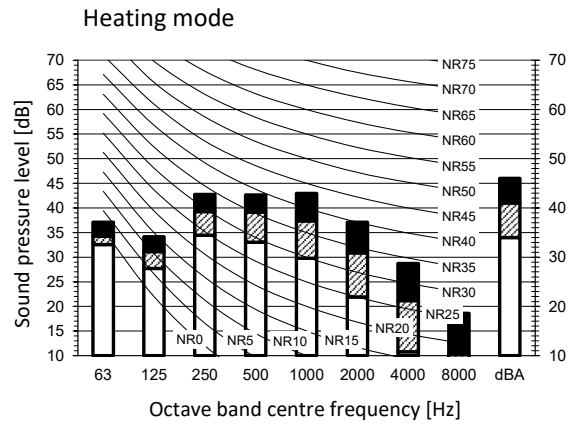
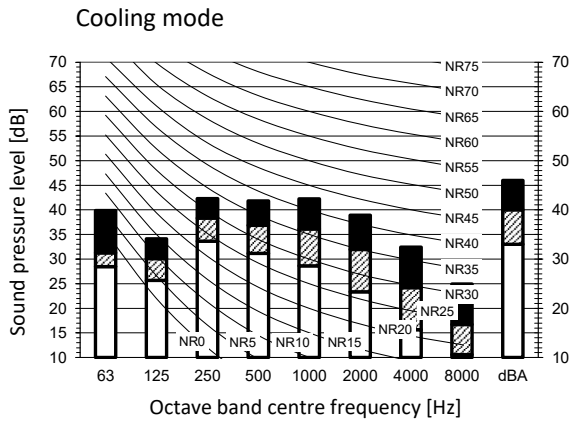


4D148919A

8 Sound data

8 - 2 Sound Pressure Spectrum

ATXM50A
FTXM50A



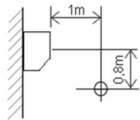
Legend

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

A Scale

- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Location of microphone



Cooling Total dB

A	B	C	D
dBA	46	40	33

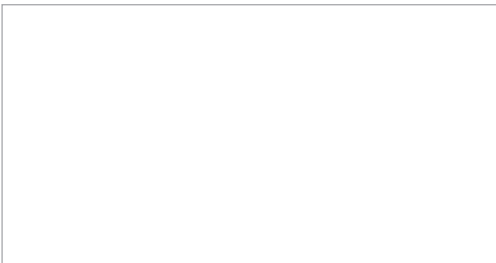
Heating Total dB

A	B	C	D
dBA	46	41	34

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

4D148920A



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01/2024



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