

Wall mounted unit
Air Conditioning
Technical Data
CTXM-A



CTXM15A2V1B
CTXM15A5V1B

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CTXM-A

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1 Features

1 - 1 CTXM-A

Attractive, wall mounted design with perfect indoor air quality

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- › Seasonal efficiency values up to A+++ in cooling and heating in 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 CTXM-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					CTXM15A		CTXM15A		
Power input	Cooling		kW		0.019				
	Heating		kW		0.018				
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		m²		0.214				
	Stages	Quantity			18				
	Passes	Quantity			2.00				
	Tube type				ø5 Hi-XB				
	Tube material				Copper				
	Tube diameter		mm		5				
	Fin	Type			Multi slit fin				
	Heat exchanger 2	Quantity				2			
		Length		mm		622			
Rows		Quantity			1				
Fin pitch		mm		1.40					
Face area		m²		0.047					
Stages		Quantity			4				
Fan	Type				Cross flow fan				
	Air flow rate	Cooling	High	m³/min	11.9				
				cfm	420				
			Medium	m³/min	8.9				
				cfm	314				
		Low	m³/min	6.3					
			cfm	222					
		Silent operation	m³/min	4.9					
cfm			173						
Fan	Air flow rate		Cooling	Silent operation	cfm	173			
					m³/min	11.4			
		High		cfm	403				
				Medium	m³/min	9.2			
		cfm	325						
		Low	m³/min	6.9					
			cfm	244					
		Silent operation	m³/min	4.9					
cfm	173								
Fan motor	Model				DFH04E1VA				
	Speed	Steps			5 + silent, + auto				
			Cooling	High	rpm	900			
					Medium	rpm	720		
				Low	rpm	570			
		Silent operation			rpm	480			
		Heating	High	rpm	880				
				Medium	rpm	750			
			Low	rpm	620				
				Silent operation	rpm	500			
		Output	Rated	W		35			
		Sound power level	Cooling			dBA		54	
			Heating			dBA		53	
	Sound pressure level	Cooling	High			dBA		41	
			Medium			dBA		33	
			Low			dBA		25	
Silent operation					dBA		19		
Heating		High			dBA		39		
		Medium			dBA		34		
		Low			dBA		26		
		Silent operation			dBA		20		
Refrigerant		Type				R-32			
	GWP				675				
Piping connections	Liquid	OD	mm		6.4				
	Gas	OD	mm		9.5				
	Drain					16			
	Heat insulation					Both liquid and gas pipes			

2 Specifications

2 - 1 Specifications

Technical specifications		CTXM15A	CTXM15A
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		CTXM15A	CTXM15A
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

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

ATXM-A CTXM-A FTXM-A

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Option kit	Product name	Remark New Perfera	Remark New floor stand	Remark Emura 3	Remark Zeta S	Class	Cooling	Factory	OH5 Perfera	OH5 Emura 3	OH5 New floor standing	Zeta
Wired remote control	BRC073A1	②③	②③	②③	②③	30	R32 BMS	DICz				
Extension cord for wired remote control (-3-m)	BRCW901A03					40	R32 BML					
Extension cord for wired remote control (-8-m)	BRCW901A08					30	Emura 3					
Intelligent Tablet Controller	DCC601A51	②③	②③	②③	②③	30	Emura 3					
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB15		②③	②③	②③	30	Emura 3					
Interface adaptor for DIII-NET	KRP928BBZ5		②③	②③	②③	30	Emura 3					
Central remote control	DCS302CA51	②③	②③	②③	②③	30	Floor stand					
Unified ON/OFF controller	DCS301BA51	②③	②③	②③	②③	30	Floor stand					
Schedule timer	DST301BA51	②③	②③	②③	④	15						
Intelligent Touch Manager	DCM601A5A	②③	②③	②③	②③	20						
Modbus interface	EKMBDXA7V1	②③	②③	②③	②③	25						
Modbus gateway	RTD-RA	②③	②③	②③	②③	35						
KNX interface	KLIC-DD	②③	②③	②③	②③	42						
Titanium apatite deodorising filter without frame	KAF970A46	①	①	①	①	50						
Silver particle filter (Ag-ion) with frame	KAF057A41	①		①	①	60						
Conversion wire harness	EKRS21					71						

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

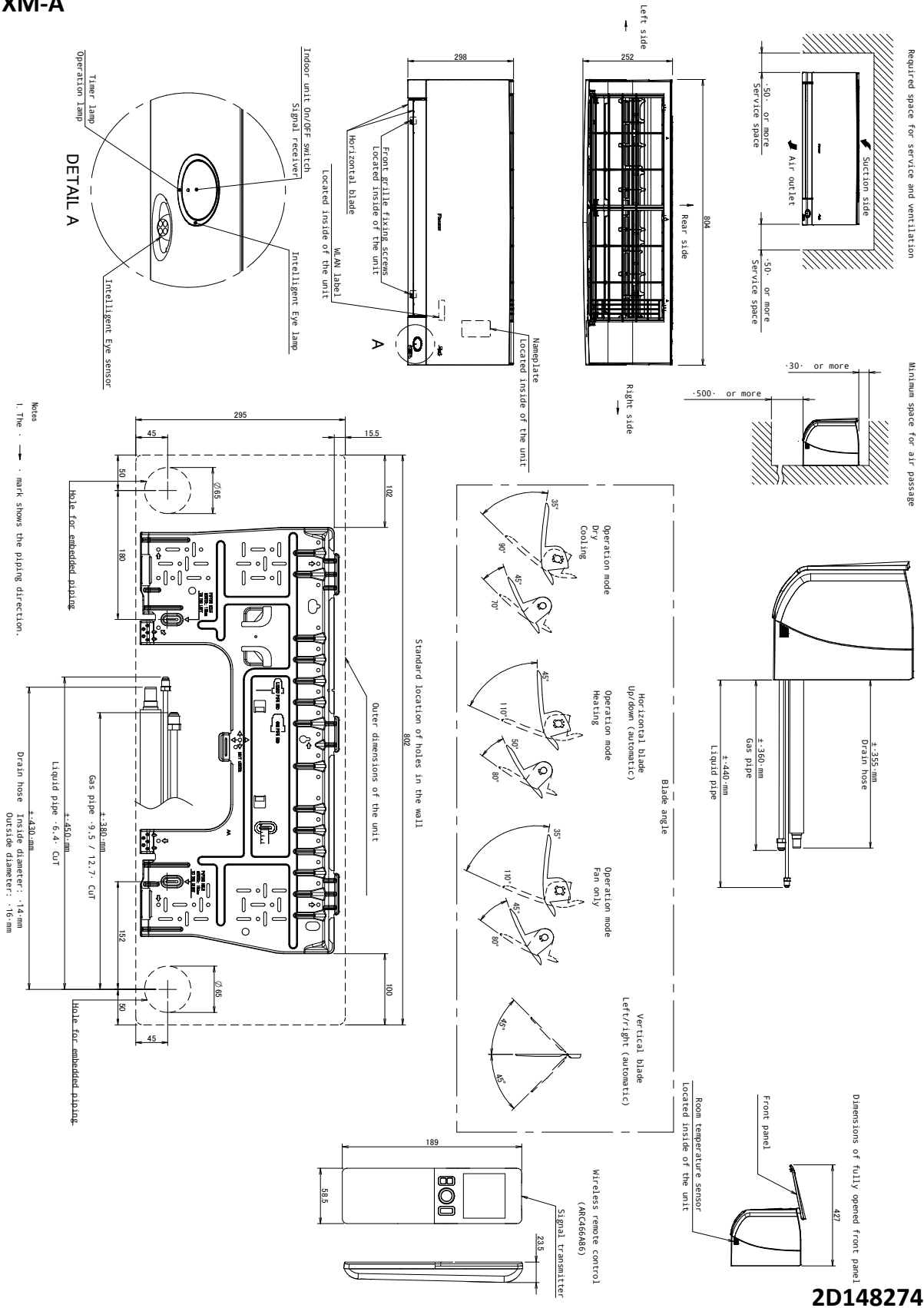
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4 Dimensional drawings

4 - 1 Dimensional Drawings

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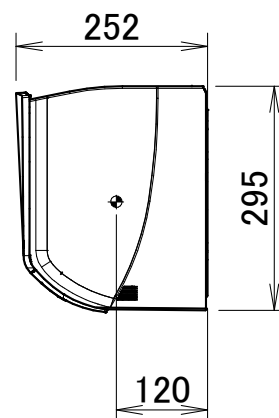
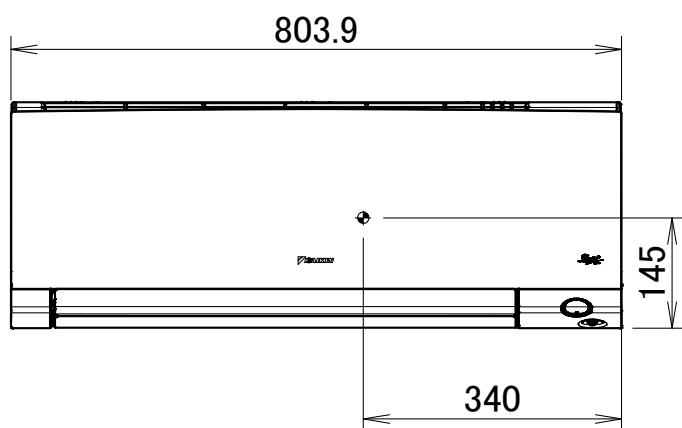


5 Centre of gravity

5 - 1 Centre of Gravity

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6 Piping diagrams

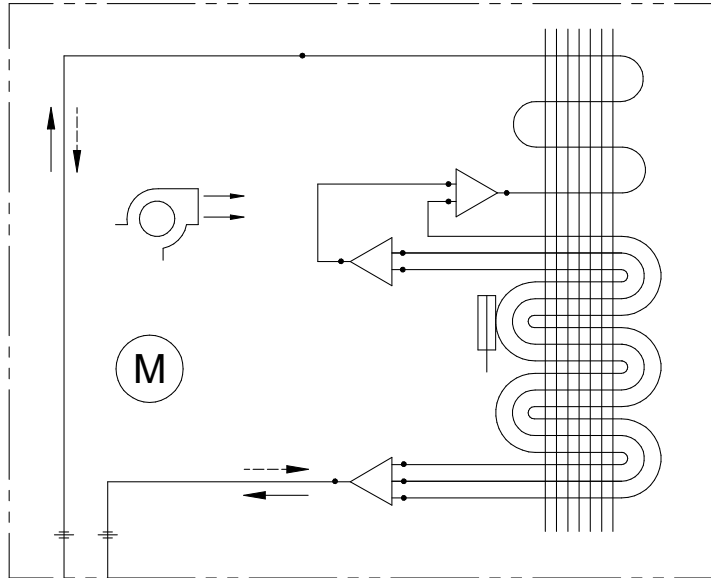
6 - 1 Piping Diagrams

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FTXM20-25A

Indoor unit



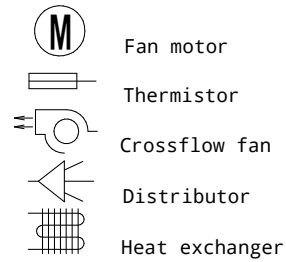
Field piping

·9.5· CuT

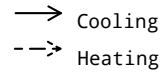
Field piping

·6.4· CuT

Legend



Refrigerant flow



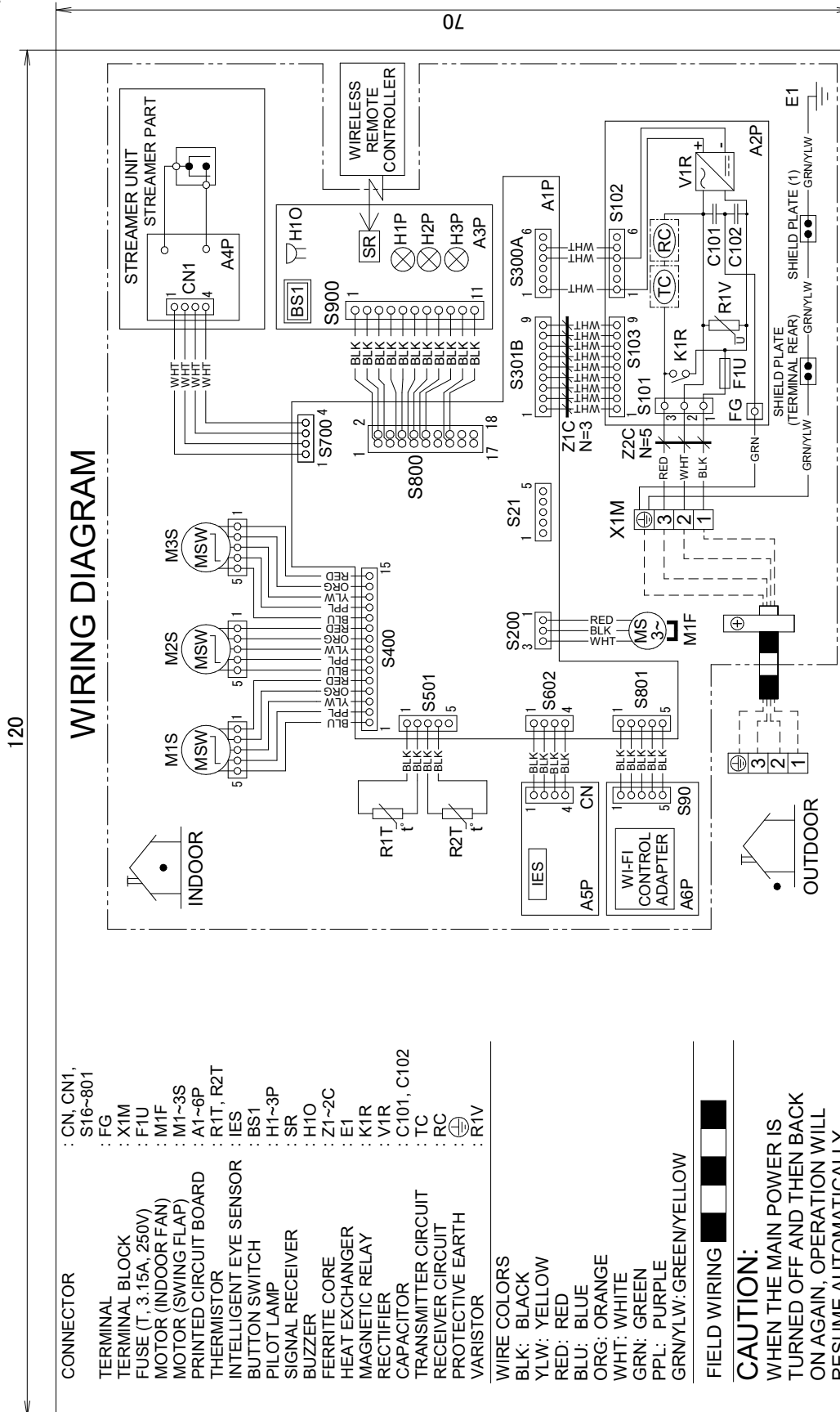
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

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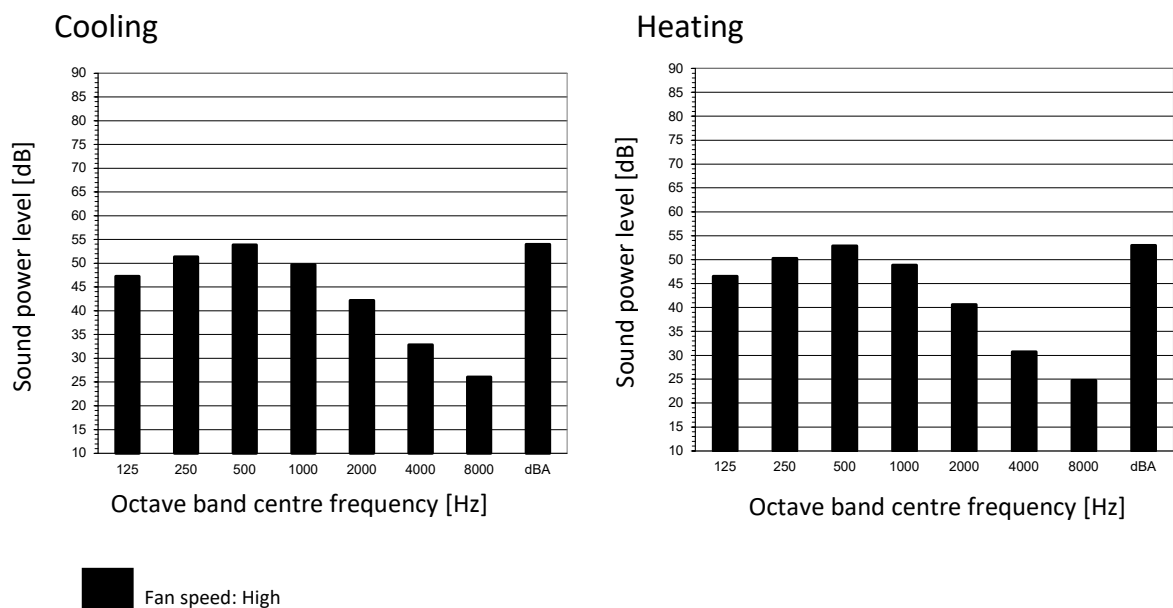


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8 Sound data

8 - 1 Sound Power Spectrum

CTXM-A
FTXM20A



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

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8 Sound data

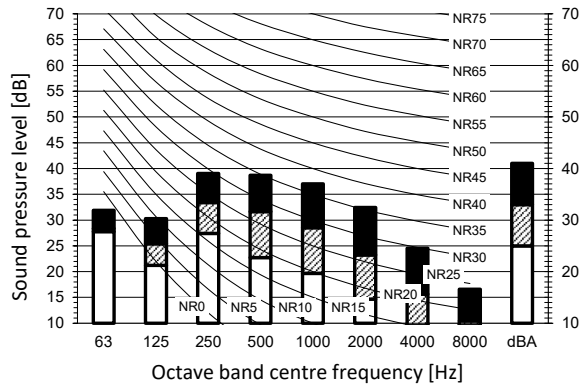
8 - 2 Sound Pressure Spectrum

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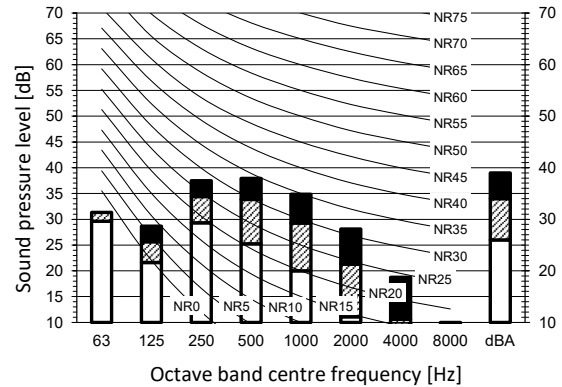
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FTXM20A Cooling mode



Heating mode



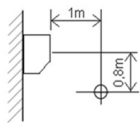
Legend

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

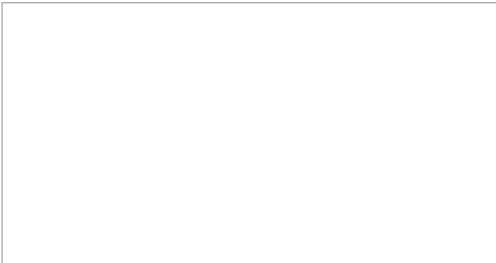
Heating Total dB

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

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