

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

1

- › 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

1

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		
					High	m³/min	11.4	
		Heating	High	m³/min	11.4			
				cfm	403			
		Medium	Medium	m³/min	9.2			
				cfm	325			
		Low	Low	m³/min	6.9			
				cfm	244			
Silent operation	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

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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	KRP928BB25		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						

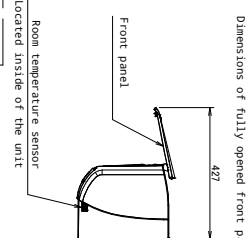
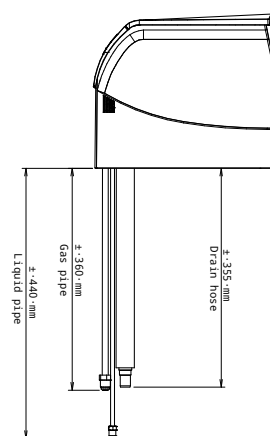
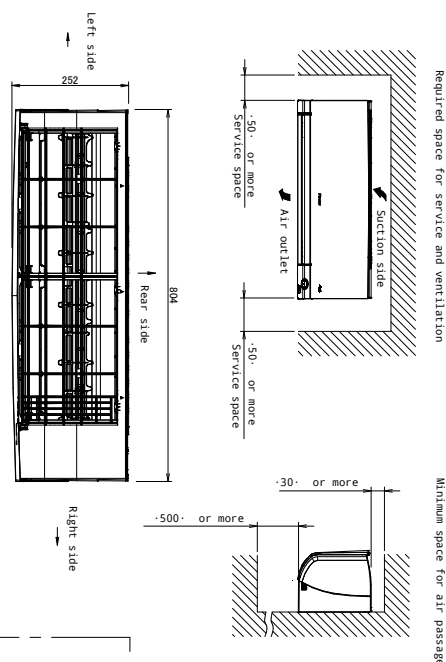
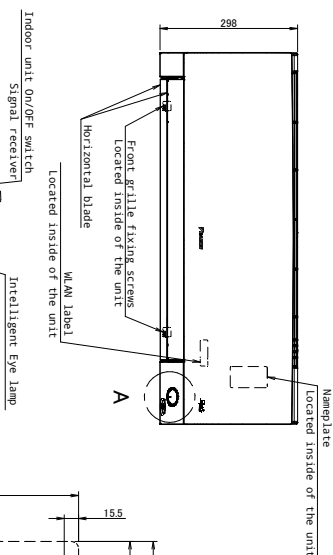
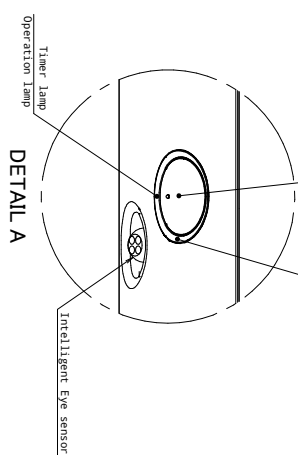
Notes

- 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

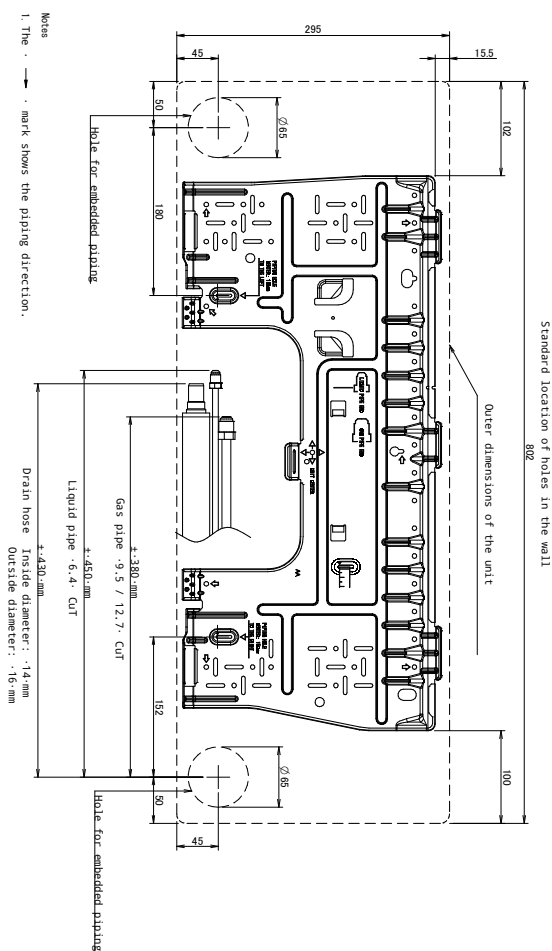
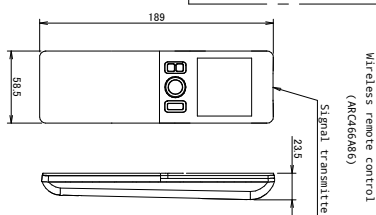
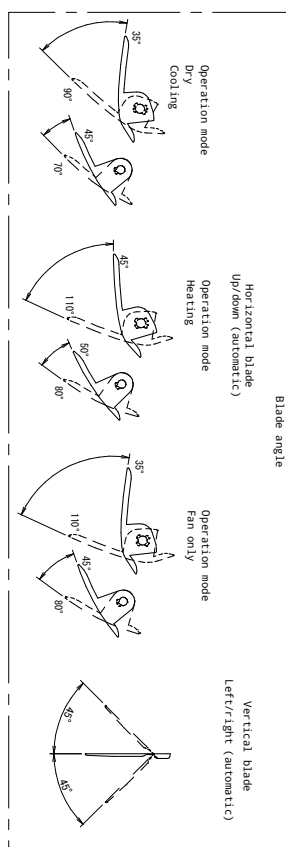
3D120481H

4 - 1 Dimensional Drawings

DETAIL A



2D148274



Notes

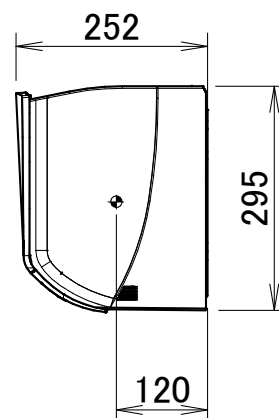
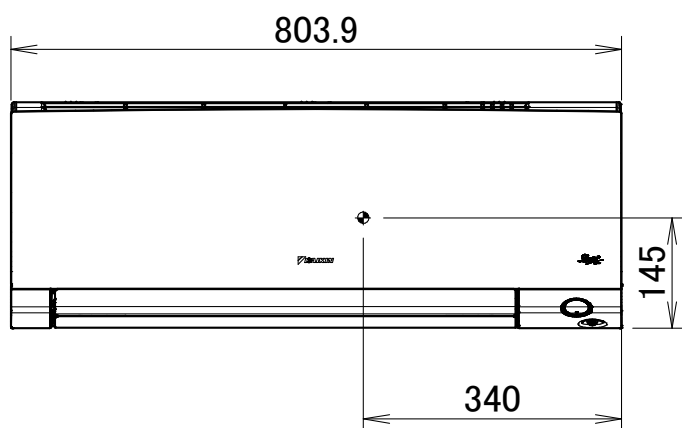
1. The $\bullet \rightarrow$ mark shows the piping direction

5 Centre of gravity

5 - 1 Centre of Gravity

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4D148220

6 Piping diagrams

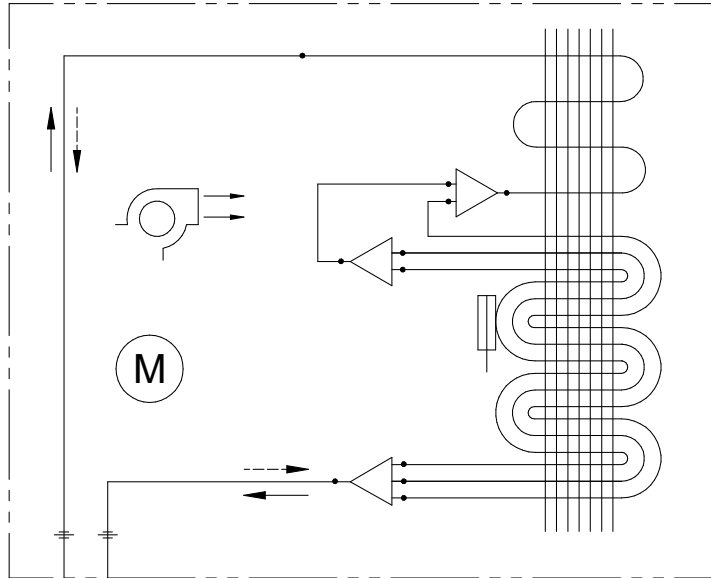
6 - 1 Piping Diagrams

ATXM20-25A

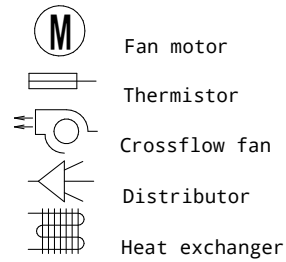
CTXM-A

FTXM20-25A

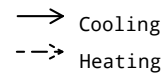
Indoor unit



Legend



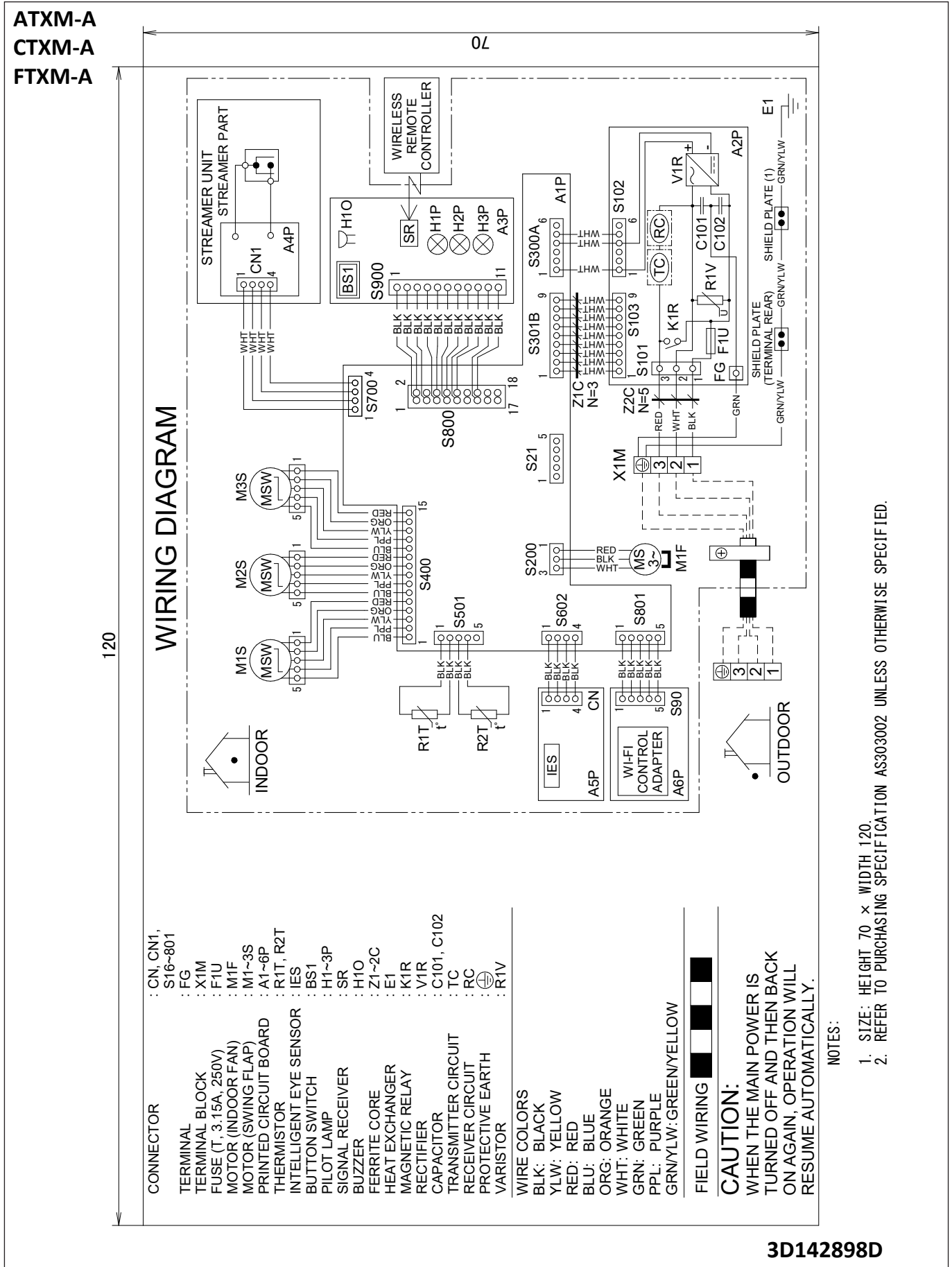
Refrigerant flow



4D147901

7 Wiring diagrams

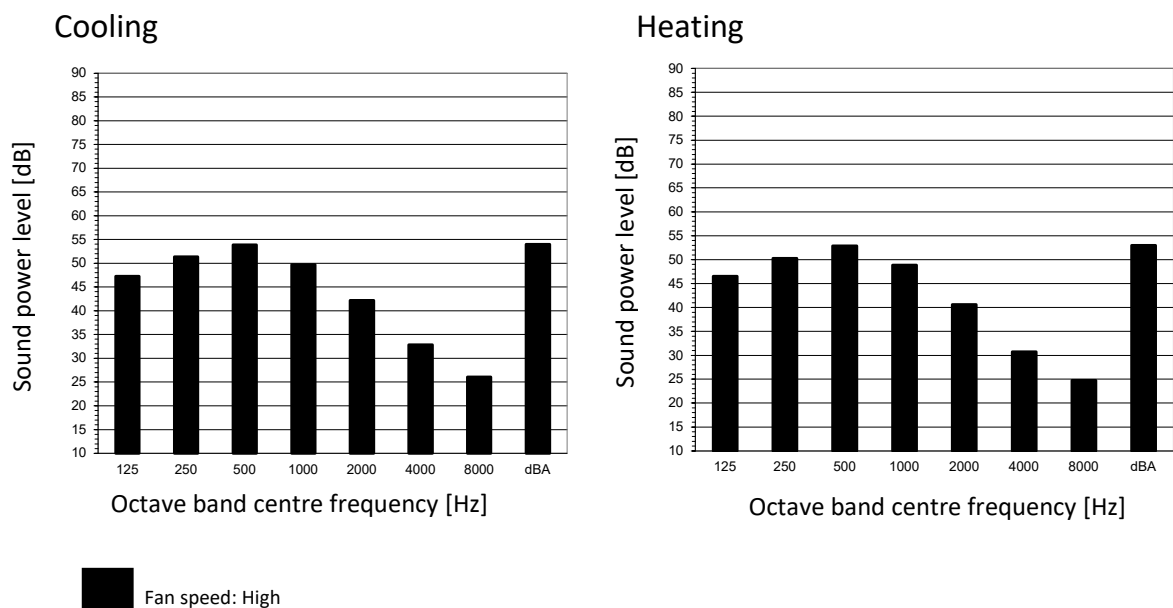
7 - 1 Wiring Diagrams - Three Phase



8 Sound data

8 - 1 Sound Power Spectrum

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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

4D148880

8 Sound data

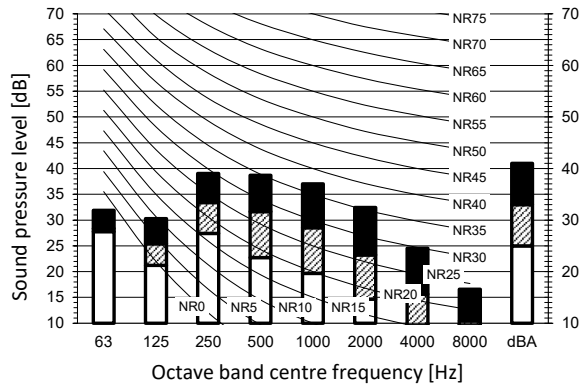
8 - 2 Sound Pressure Spectrum

8

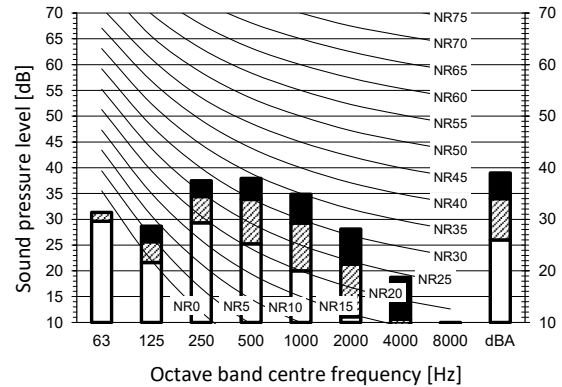
ATXM20A

CTXM-A

FTXM20A Cooling mode



Heating mode



Legend

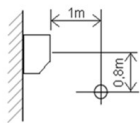
dBA = A-weighted sound pressure level (A scale according to IEC).

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

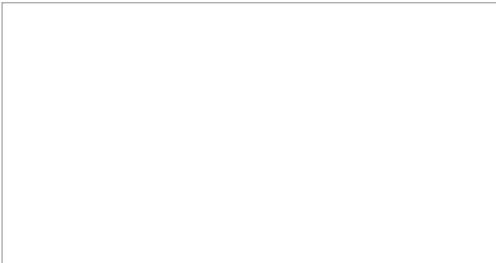
Heating Total dB

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



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