

Air Conditioning Technical Data

FTXM-N



> FTXM20N2V1B
> FTXM25N2V1B
> FTXM35N2V1B
> FTXM42N2V1B
> FTXM50N2V1B
> FTXM60N2V1B

> FTXM71N2V1B

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1 Features

Attractive, wall mounted design with perfect indoor air quality

- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 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.
- Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- 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



Econo mode	2 area motion detection sensor	Energy saving during standby mode	Night set mode	Fan only	Comfort mode	Powerful mode	Auto cooling-heating changeover	Whisper quiet
Indoor unit silent operation	Outdoor unit silent operation	3-D air flow	Vertical auto swing	Horizontal auto swing	Auto fan speed	Fan speed steps	Dry programme	Flash Streamer
Titanium apatite deodorising filter	Air filter	Weekly timer	24 hour timer	Infrared remote control	Wired remote control	Centralised control	Online controller via app	Auto-restart
Self diagnosis	Multi model application							

2 Specifications

2-1 Technical Specifications					FTXM20N	FTXM25N	FTXM35N	FTXM42N	FTXM50N	FTXM60N	FTXM71N
Power input	Cooling	Nom.	kW		0.030		0.034	0.035	0.030	0.032	0.054
	Heating	Nom.	kW		0.025	0.026		0.036	0.032	0.035	0.060
Casing	Colour				White						
Dimensions	Unit	Height/Width/Depth	mm		294/811/272				300/1,040/295		
	Packed unit	Height/Width/Depth	mm		350/865/375				397/1,115/377		
Weight	Unit		kg		10.0				14.5		
	Packed unit		kg		12.0				17		
Packing	Weight		kg		2.0				2.5		
Heat exchanger	Length		mm		610				820		
	Rows	Quantity				2					
	Fin pitch		mm		1.4						
	Stages	Quantity				18					
	Passes	Quantity				2.2	3.0		6.0		4.0
	Tube type				ø5 Hi-XB						
	Fin	Type				ML fin (Multi louver)					
Heat exchanger 2	Length		mm		600				810		
	Rows	Quantity				1					
	Fin pitch		mm		1.4						
	Stages	Quantity				8					
Air filter	Type				Removable / washable						
Fan	Type				Cross flow fan						
	Air flow rate	Cooling	High	m³/min	11.1		12.3	12.6	16.1	17.1	17.6
				cfm	392		434	445	568	604	621
			Mediu m	m³/min	7.9	8.1	8.3	9.5	14.2	14.6	15.0
				cfm	280	286	293	335	502	516	530
			Low	m³/min	6.0	6.2	6.4	7.1	11.6	12.0	12.5
				cfm	212	219	226	251	410	424	440
		Silent operati on	m³/min	4.4		4.6		8.1	9.1	10.1	
			cfm	155		162		286	321	356	
		Heating	High	m³/min	10.8			13.0	17.1	17.7	18.4
				cfm	381			459	604	625	648
			Mediu m	m³/min	8.7		9.0	10.4	14.6	15.6	16.2
				cfm	307		318	367	516	551	572
			Low	m³/min	6.5	6.8	7.1		12.2	12.6	13.0
				cfm	230	240	251		431	445	461
		Silent operati on	m³/min	5.3			10.7		11.2	11.9	
			cfm	187			378		396	419	
Fan motor	Model				MM6K11S20VA				MM9E17S21VA		
	Speed	Steps			5 + silent, + auto						
		Cooling	High/ Mediu m/Low/ Silent operati on	rpm	1,070/800/ 640/520	1,070/820/ 660/520	1,170/840/ 680/530	1,190/940/ 730/530	1,010/910/ 780/600	1,060/930/ 800/650	1,080/950/ 820/700
					Heating	High/ Mediu m/Low/ Silent operati on	rpm	1,030/860/ 690/590	1,030/860/ 710/590	1,030/900/ 730/590	1,250/1,000/ 730/590
	Output	Rated		W	22				46		52
Sound power level	Cooling		dBA	57		58	60	58	60		

2 Specifications

2-1 Technical Specifications				FTXM20N	FTXM25N	FTXM35N	FTXM42N	FTXM50N	FTXM60N	FTXM71N
Sound pressure level	Cooling	High/Medium/ Low/Silent operation	dBA	41/33/25/19		45/33/29/19	45/39/30/21	44/40/36/27	46/42/37/30	47/43/38/32
	Heating	High/Medium/ Low/Silent operation	dBA	39/34/26/20	39/34/27/20	39/35/28/20	45/39/29/21	43/39/34/31	45/41/36/33	46/42/37/34
Control systems	Infrared remote control			ARC466A33						
	Wired remote control			BRC073A1						
Refrigerant	Type			R-32						
Piping connections	Liquid	OD		6,35						
	Gas	OD		9.50			12.7			15.90
	Drain			18						
	Heat insulation			Both liquid and gas pipes						
Temperature control				Microcomputer control						
Air direction control				Right, Left, Horizontal, Downward						

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 : Mounting plate; Quantity : 1;

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

Standard Accessories : Indoor unit fixing screws; Quantity : 2;

Standard Accessories : WLAN adapter kit; Quantity : 1;

2-2 Electrical Specifications				FTXM20N	FTXM25N	FTXM35N	FTXM42N	FTXM50N	FTXM60N	FTXM71N
Power supply	Name			V1						
	Phase			1~						
	Frequency		Hz	50						
	Voltage		V	220-240						
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.22		0.25		0.20	0.22	0.37
		Heating	A	0.17			0.25	0.22	0.25	0.42
Wiring connections - 50Hz	For power supply	Quantity		3						
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)						

Notes

Cooling: indoor temp. 27°CDB, 19.0°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

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

3 Options

3 - 1 Options

CTXM-N
FTXM-N

		Applicable models	Class	Casing	Factory
		CTXM15N2V1B	15	R32 BMS	DCz
		FTXM20N2V1B	20	R32 BMS	DCz
		FTXM25N2V1B	25	R32 BMS	DCz
		FTXM35N2V1B	35	R32 BMS	DCz
		FTXM42N2V1B	45	R32 BMS	DCz
		FTXM50N2V1B	50	R32 BMS	DCz
		FTXM60N2V1B	60	R32 BML	DCz
		FTXM71N2V1B	71	R32 BML	DCz
		ATXM20N2V1B	20	R32 BMS	DCz
		ATXM25N2V1B	25	R32 BMS	DCz
		ATXM35N2V1B	35	R32 BMS	DCz
		ATXM50N2V1B	50	R32 BML	DCz
Option kit	Product name				
Wired remote control	BRC073A1	✓	✓	✓	✓
Extension cord for wired remote control (3m)	BRCW901A03	✓	✓	✓	✓
Extension cord for wired remote control (8m)	BRCW901A08	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP928BB2S	✓	✓	✓	✓
Central remote control	DCS302CA51	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51	✓	✓	✓	✓
Schedule timer	DST301BA51	✓	✓	✓	✓

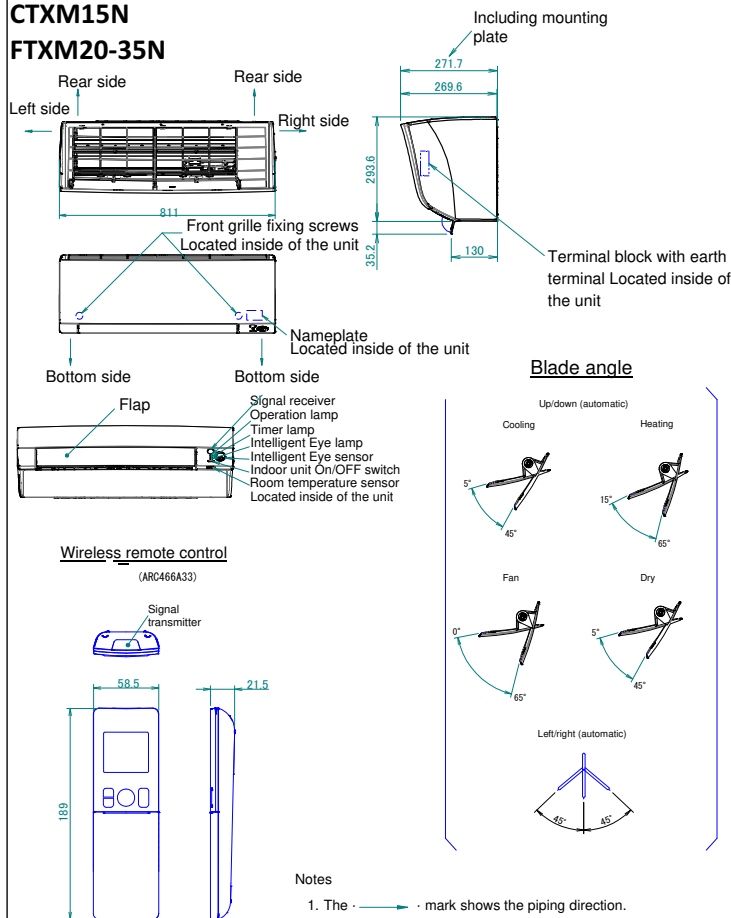
3D120481

4 Dimensional drawings

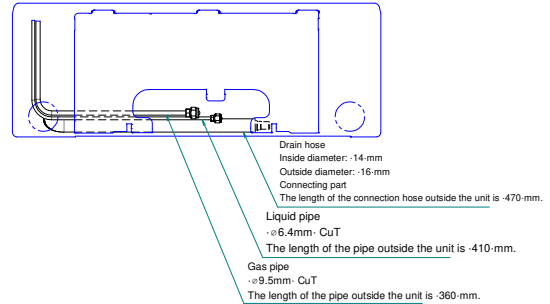
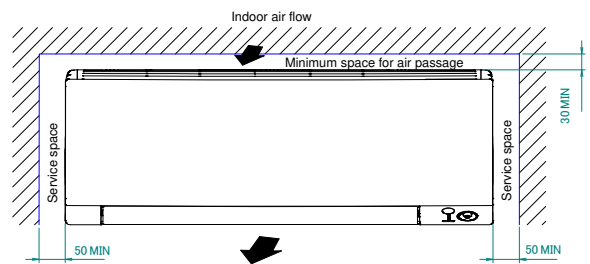
4 - 1 Dimensional Drawings

CTXM15N

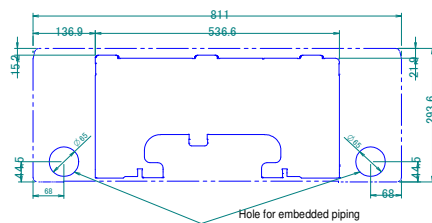
FTXM20-35N



Required space for service and ventilation

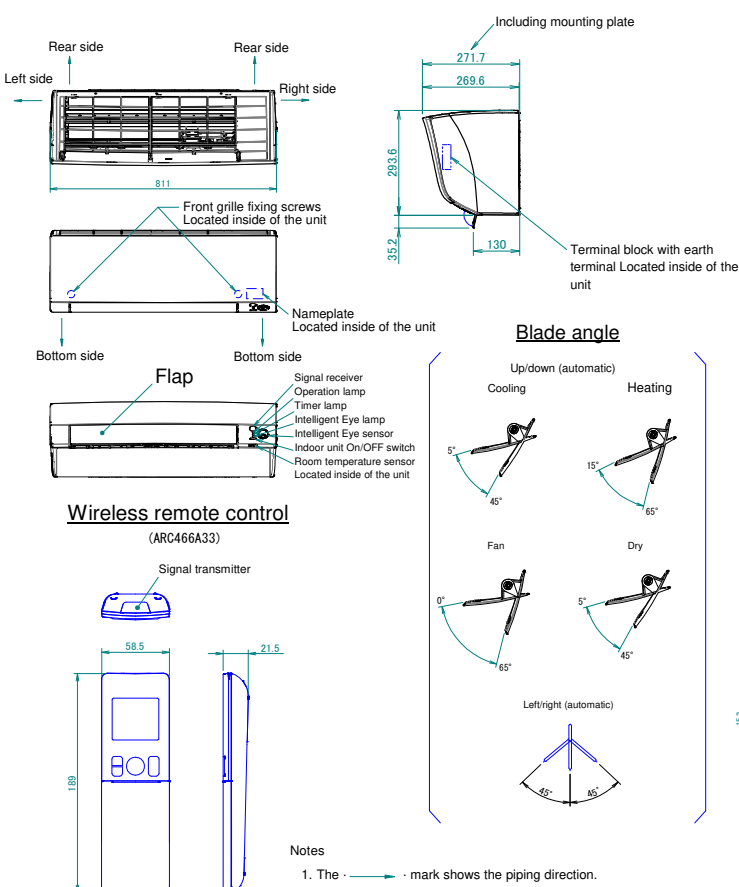


Standard location of holes in the wall

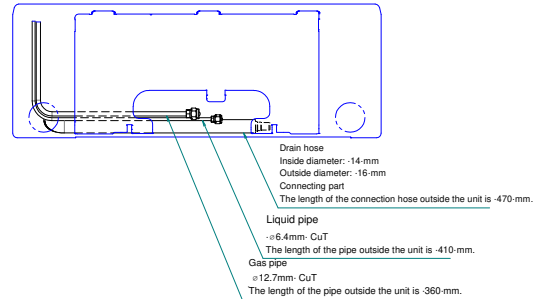
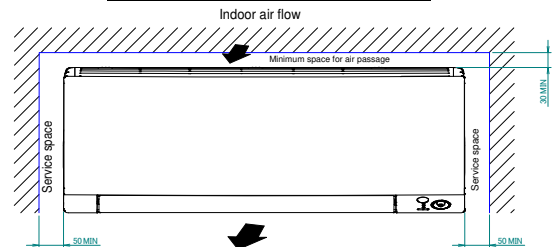


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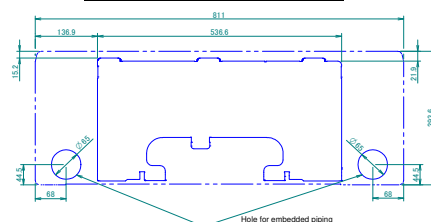
FTXM42N



Required space for service and ventilation



Standard location of holes in the wall

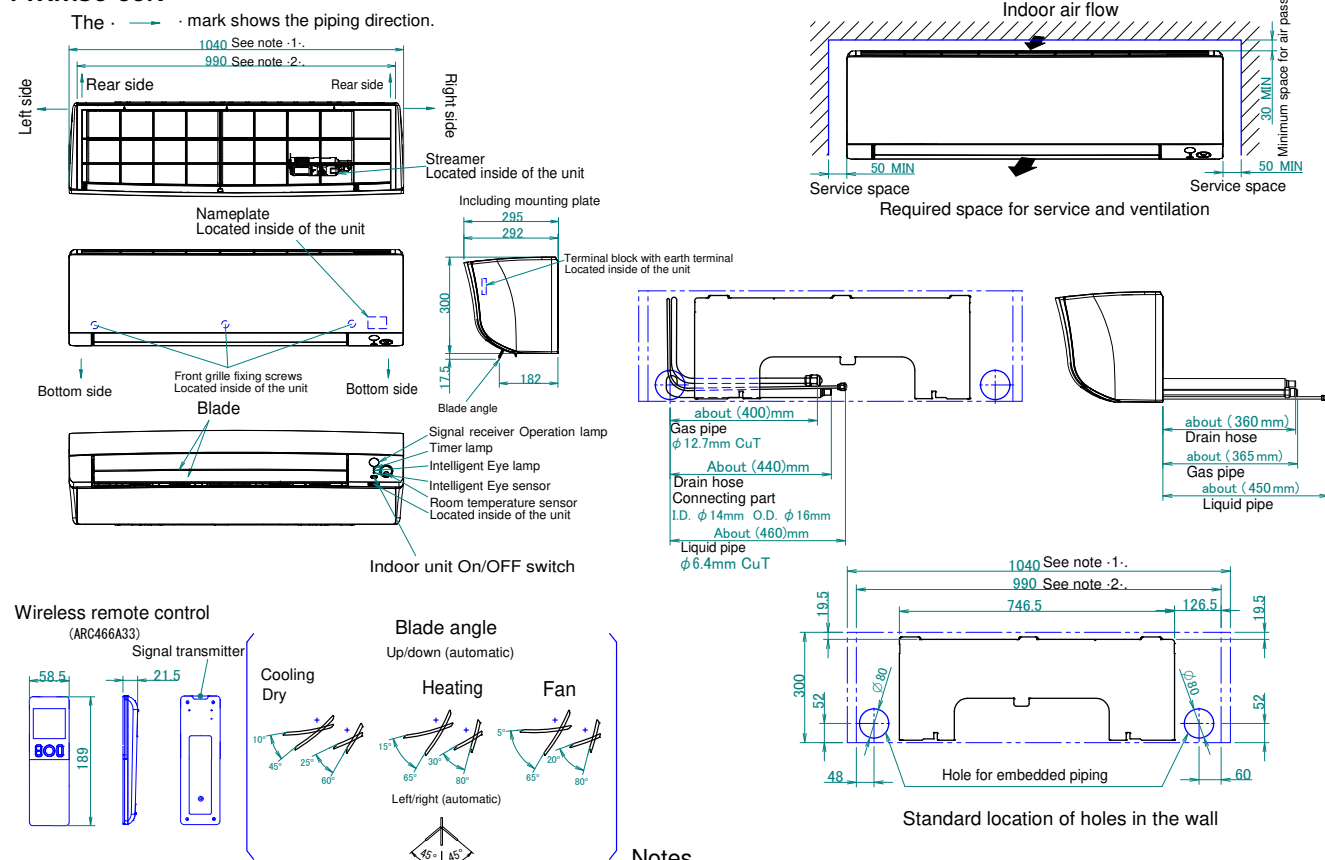


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4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXM50-60N

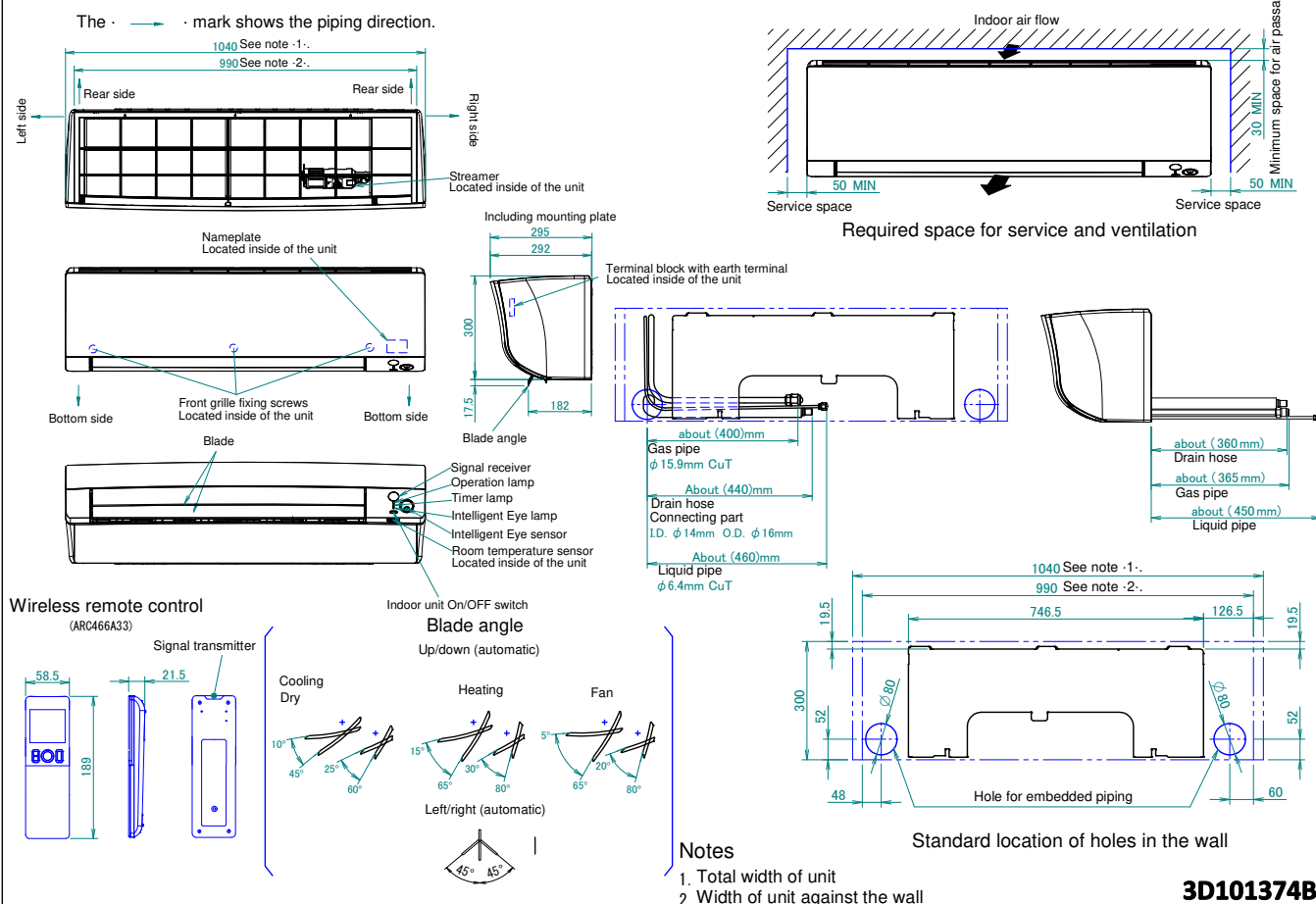


Notes

1. Total width of unit
2. Width of unit against the wall

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FTXM71N



Notes

1. Total width of unit
2. Width of unit against the wall

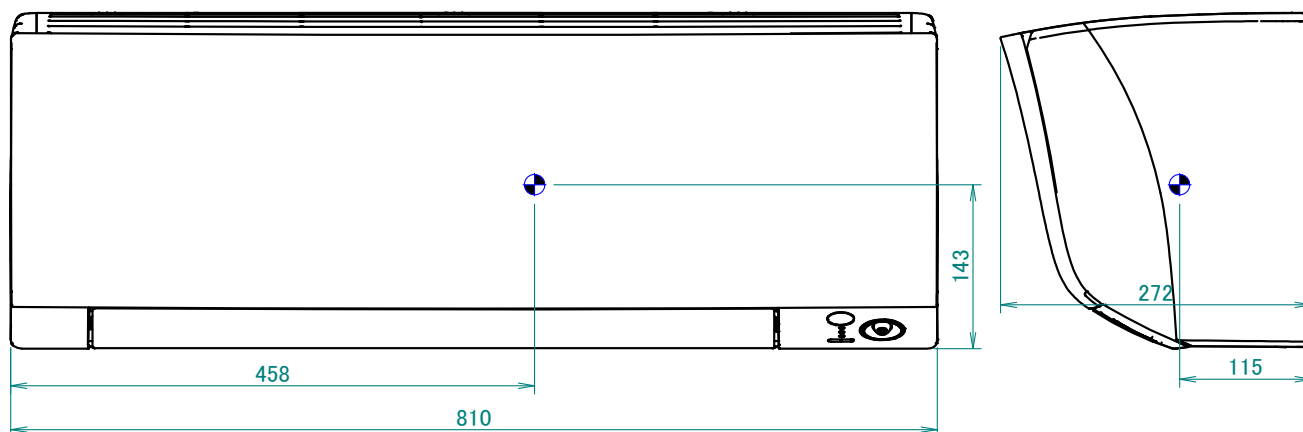
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5 Centre of gravity

5 - 1 Centre of Gravity

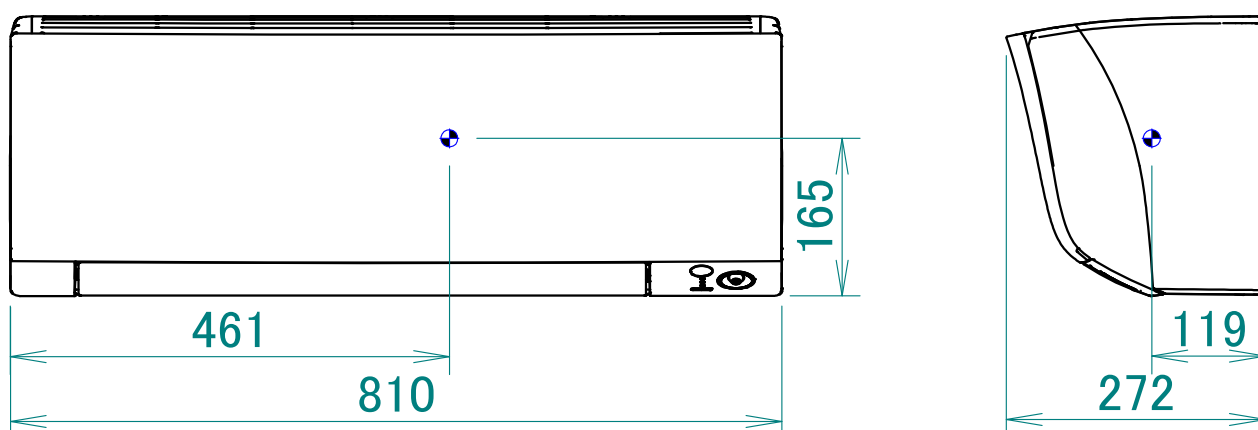
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CTXM15N
FTXM20N



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FTXM25-35N

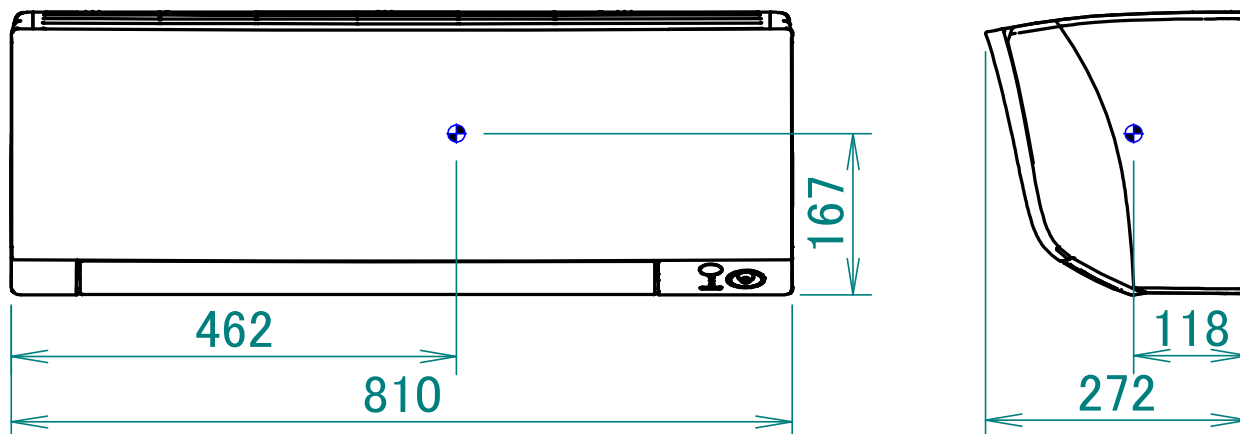


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5 Centre of gravity

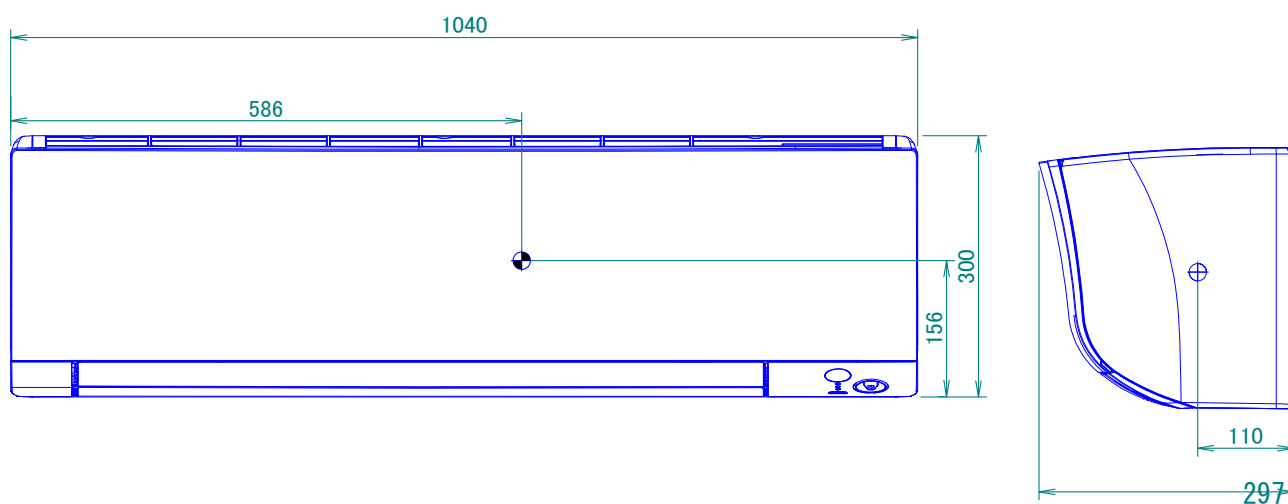
5 - 1 Centre of Gravity

FTXM42N



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FTXM50-71N



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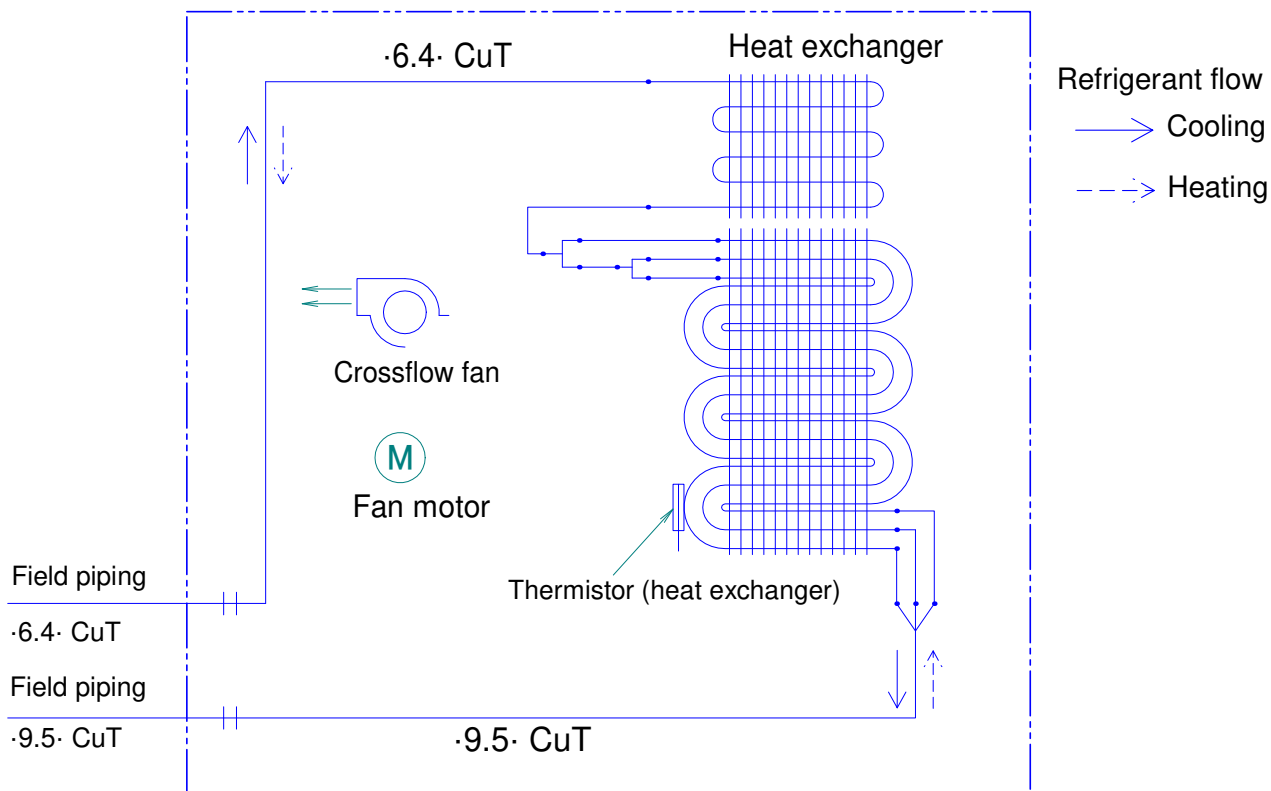
6 Piping diagrams

6 - 1 Piping Diagrams

6

CTXM15N
FTXM20N

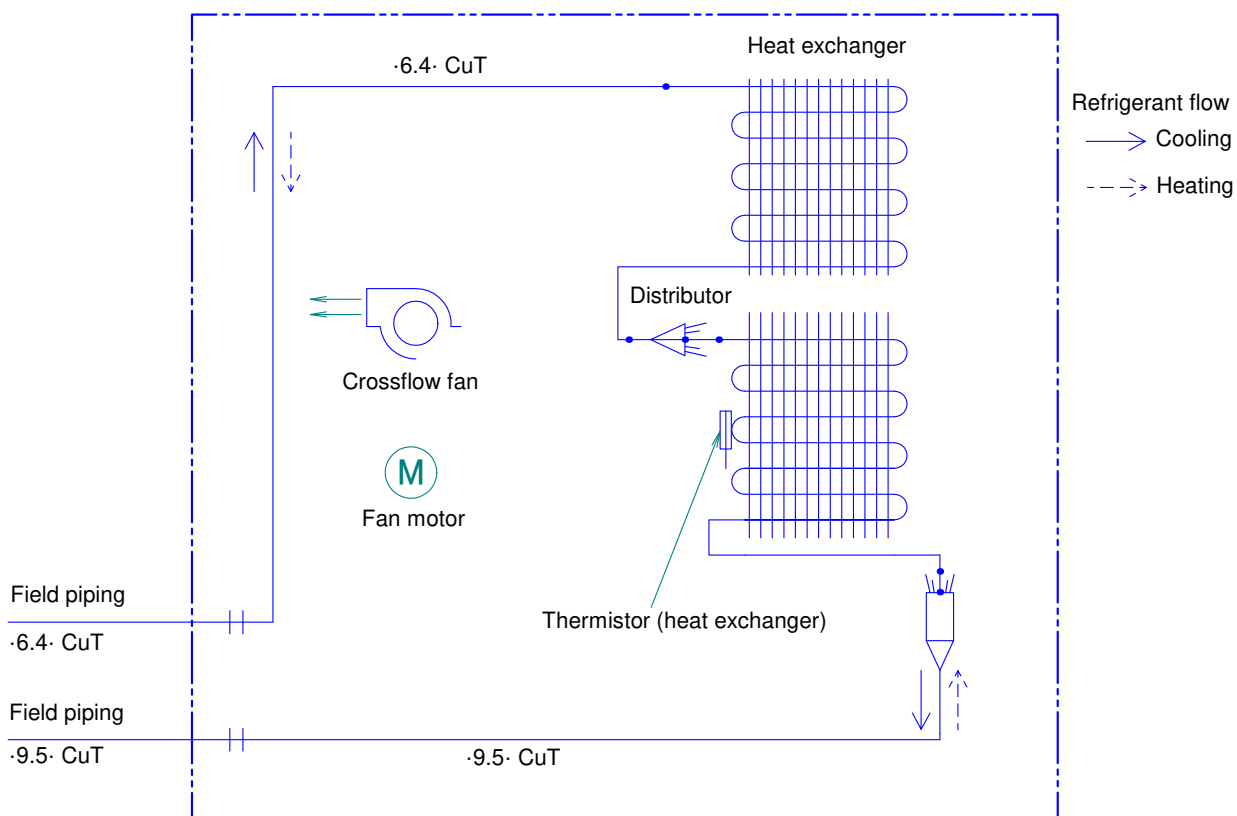
Indoor unit



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FTXM25-35N

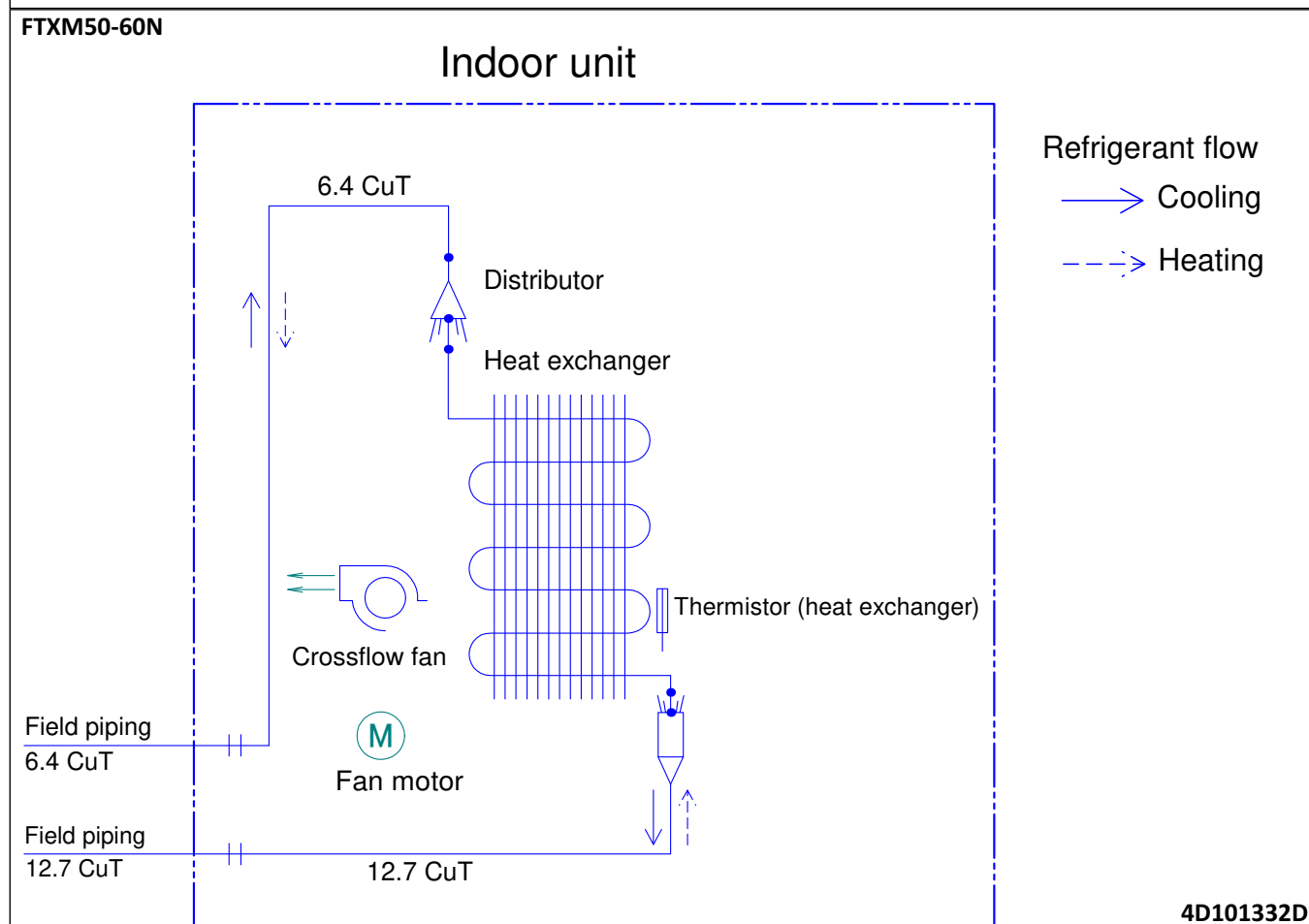
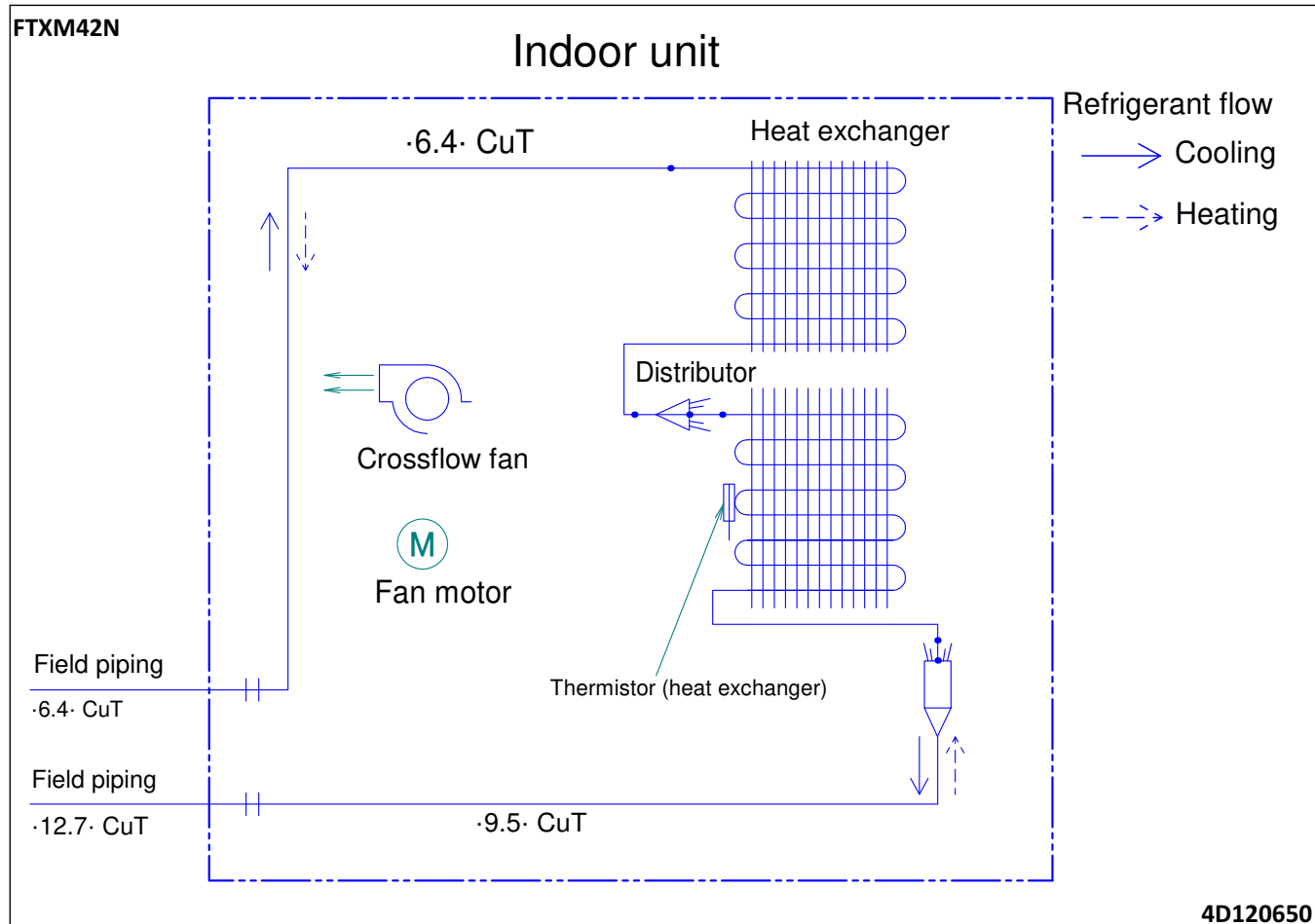
Indoor unit



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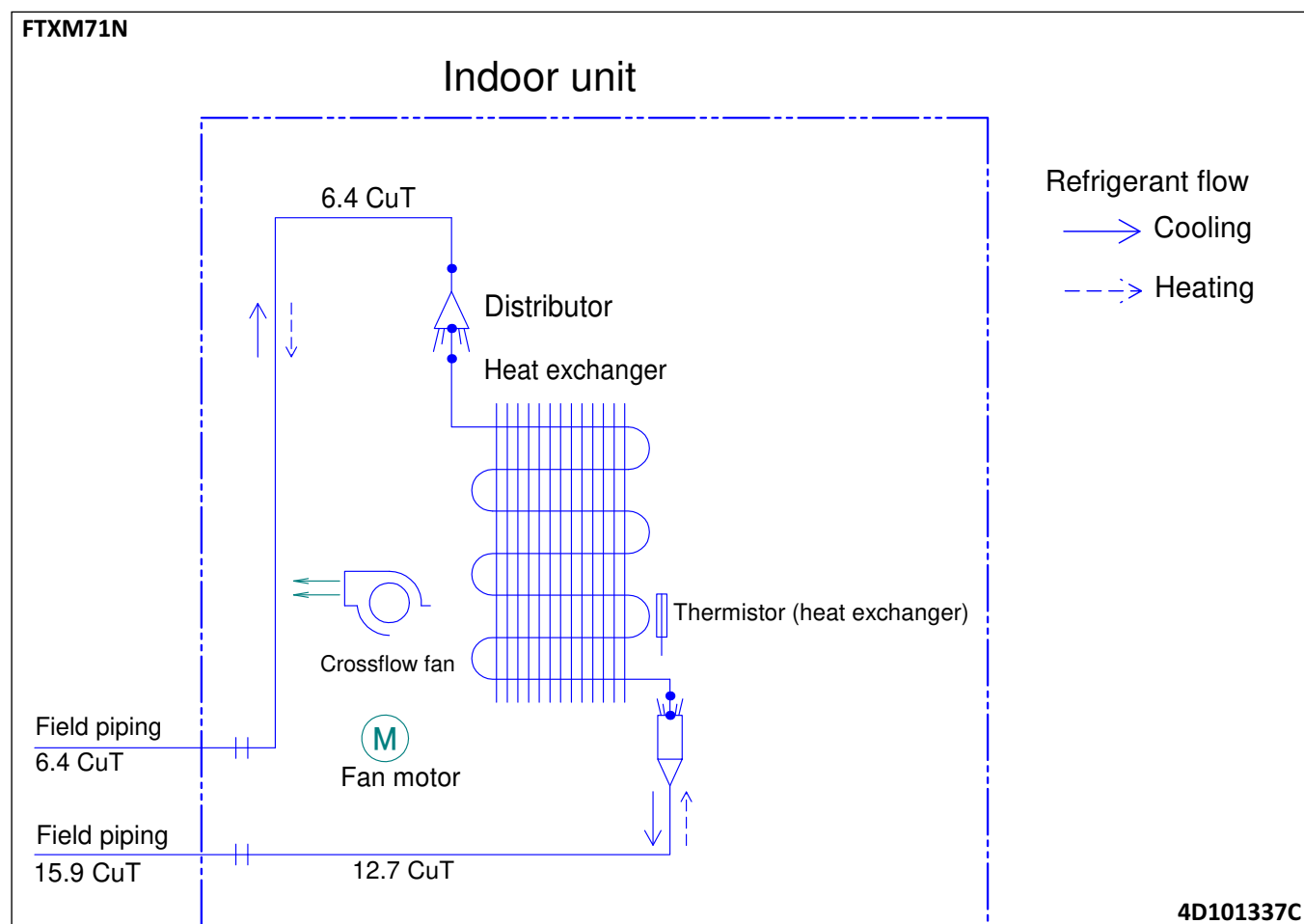
6 Piping diagrams

6 - 1 Piping Diagrams



6 Piping diagrams

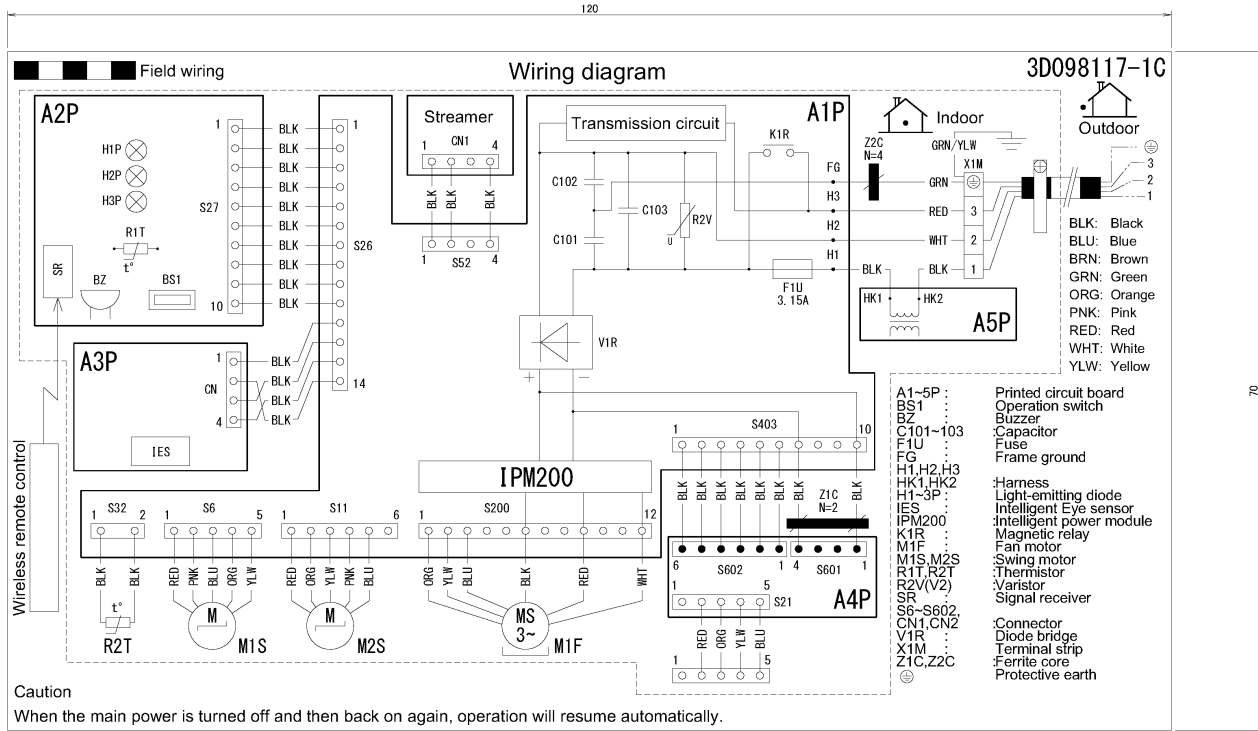
6 - 1 Piping Diagrams



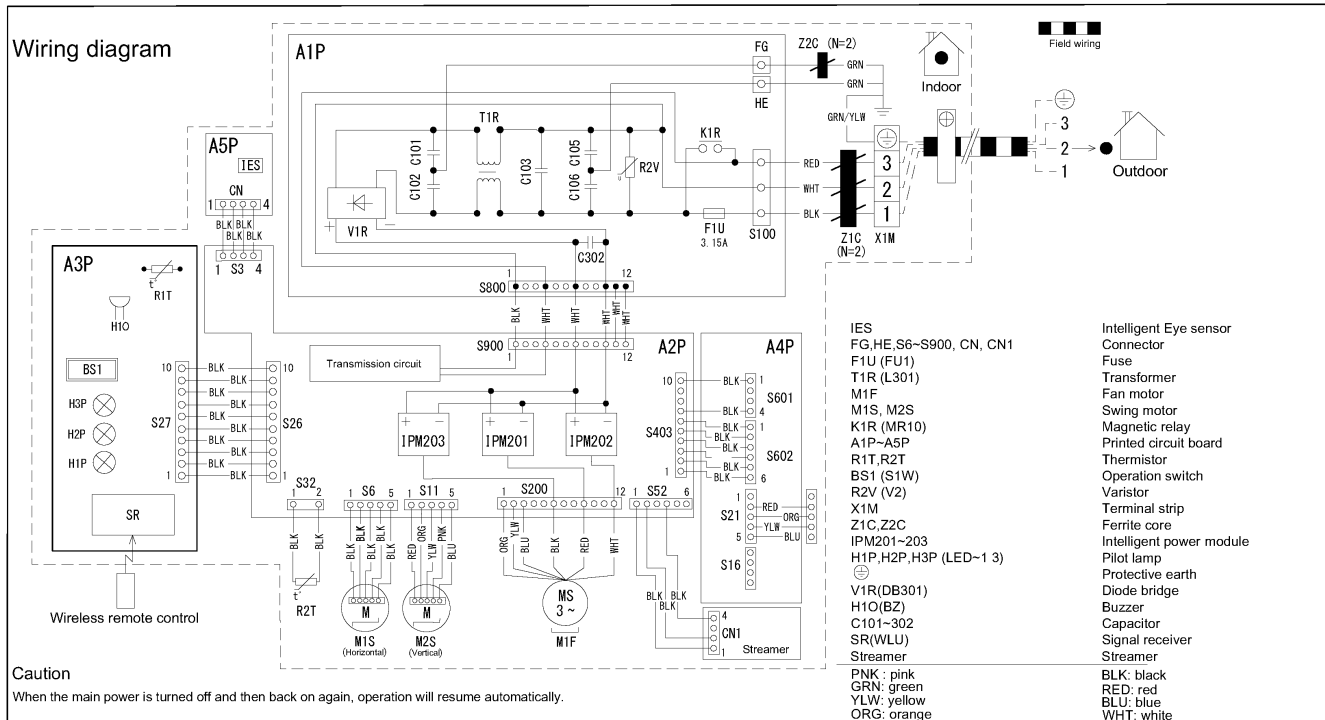
7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

CTXM15N FTXM20-42N



FTXM50-71N



7 - 1 Wiring Diagrams - Three Phase

Wiring diagram



When the main power is turned off and then back on again, operation will resume automatically.

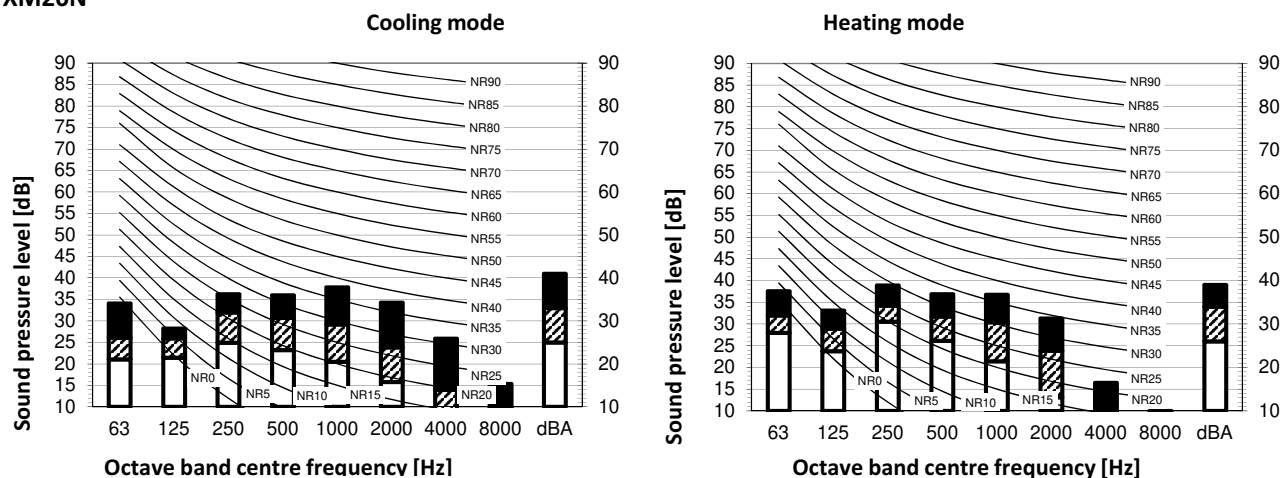
1. Size: length .65· X width .110·.

2. Refer to purchasing specification AS303002, unless otherwise specified.

8 Sound data

8 - 1 Sound Pressure Spectrum

CTXM15N FTXM20N



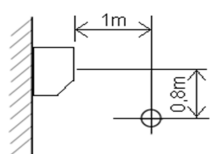
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



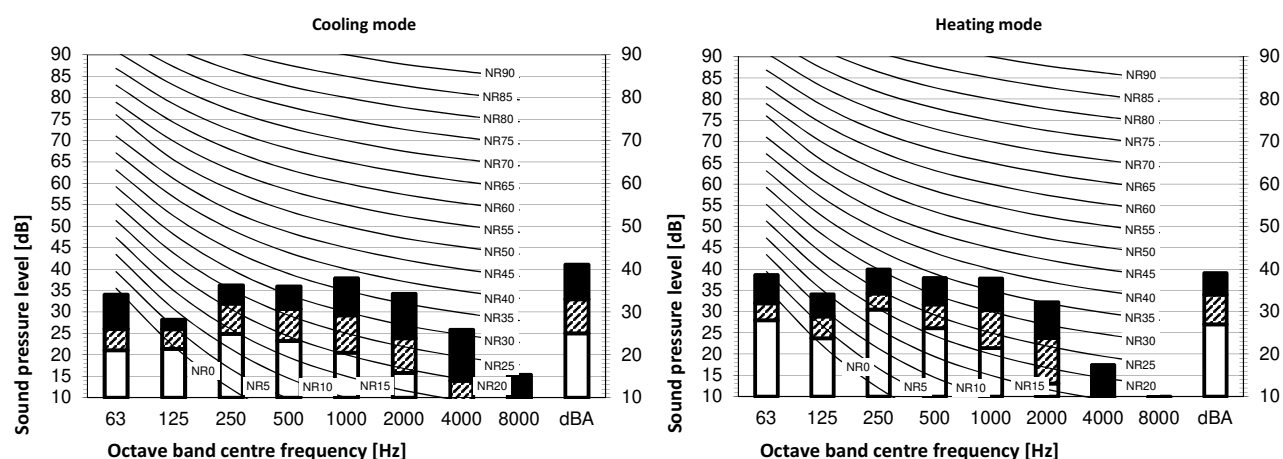
Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	26

Notes

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

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FTXM25N



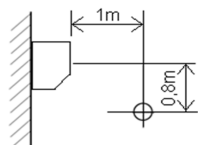
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	41	33	25	dBA	39	34	27

Notes

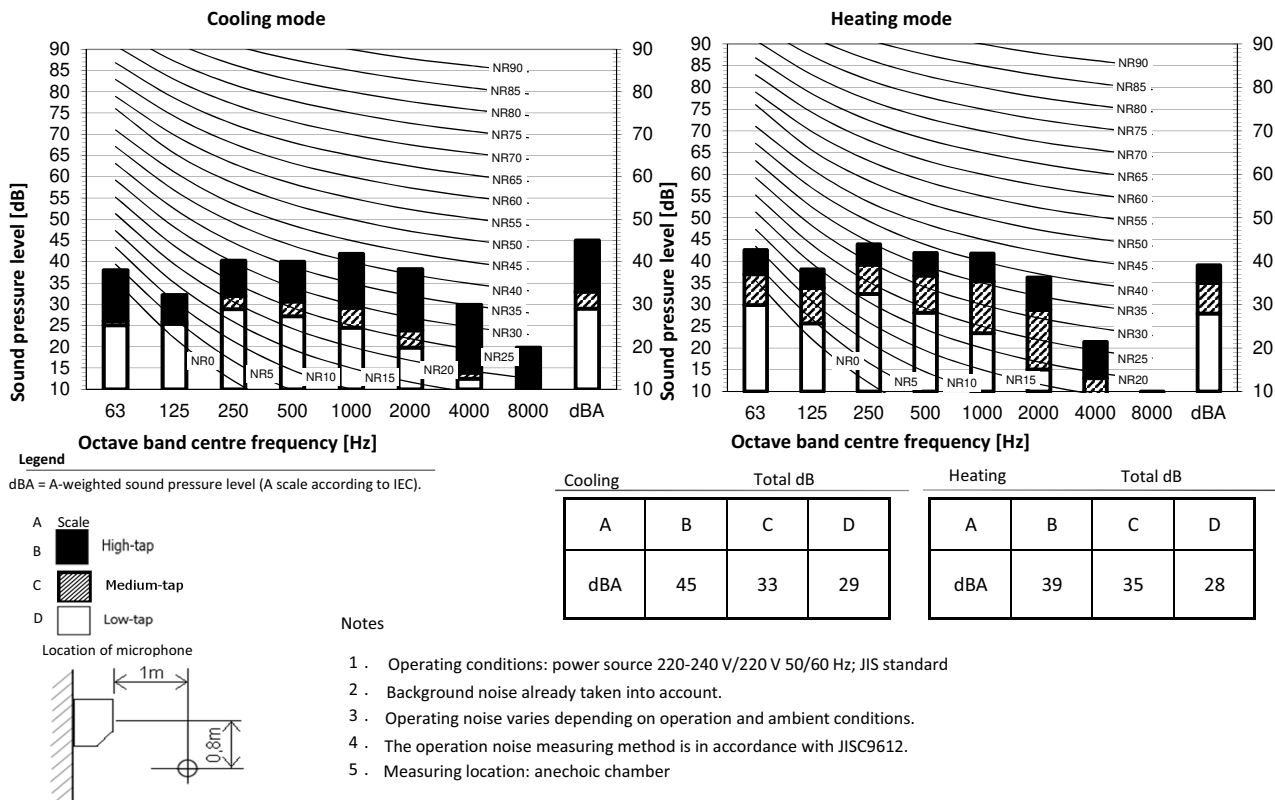
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- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

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8 Sound data

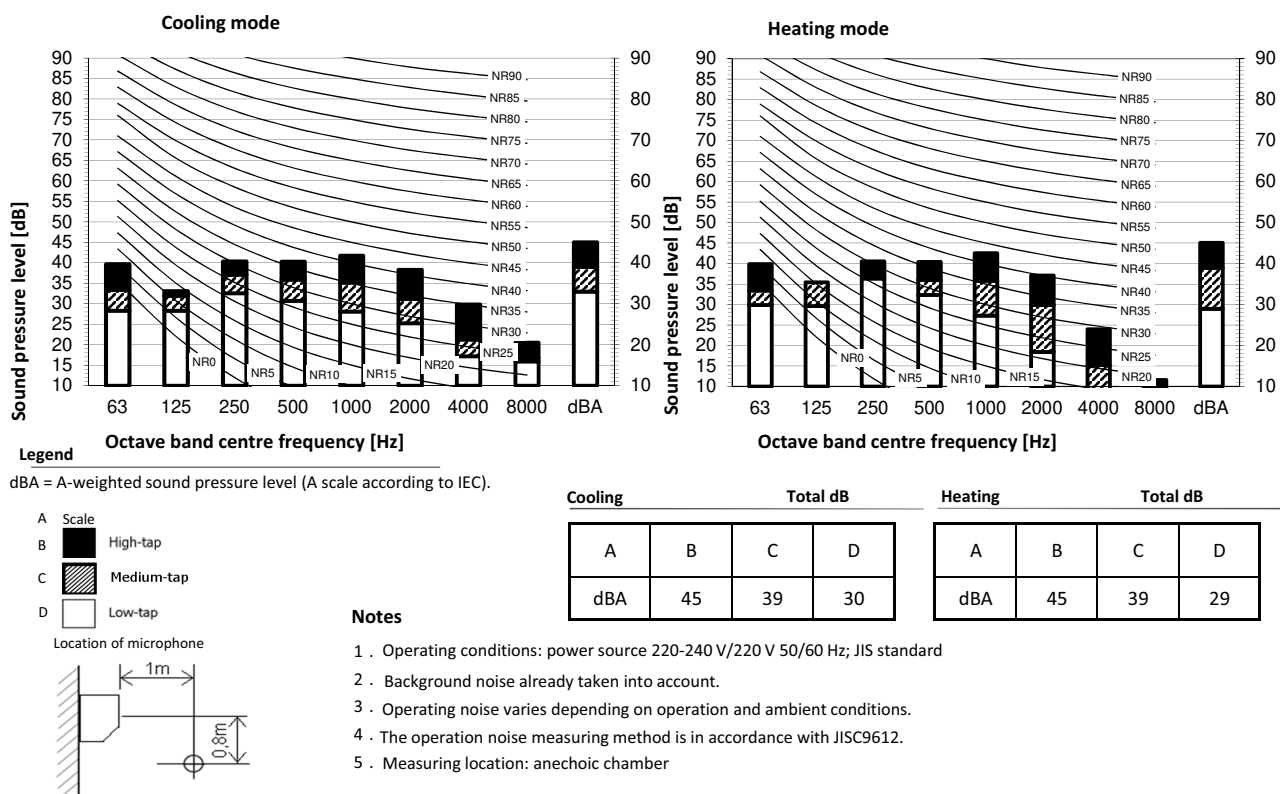
8 - 1 Sound Pressure Spectrum

FTXM35N



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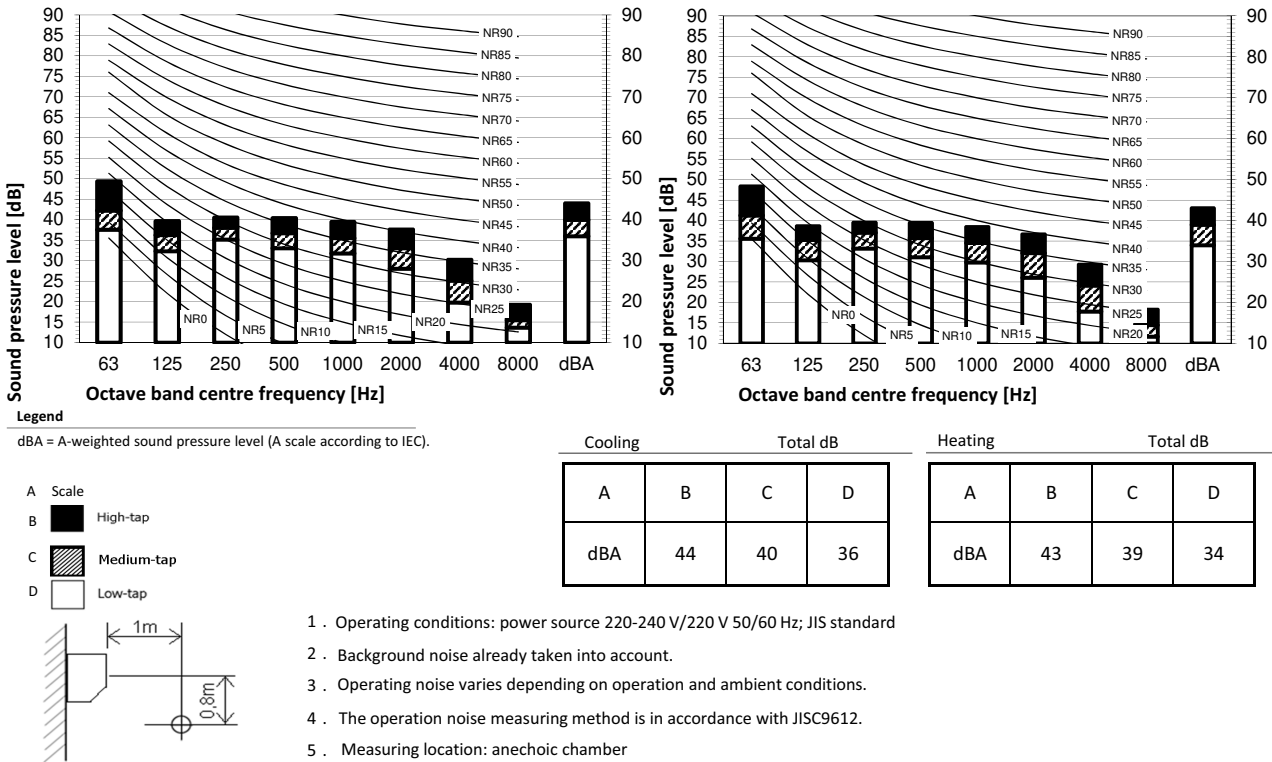
FTXM42N



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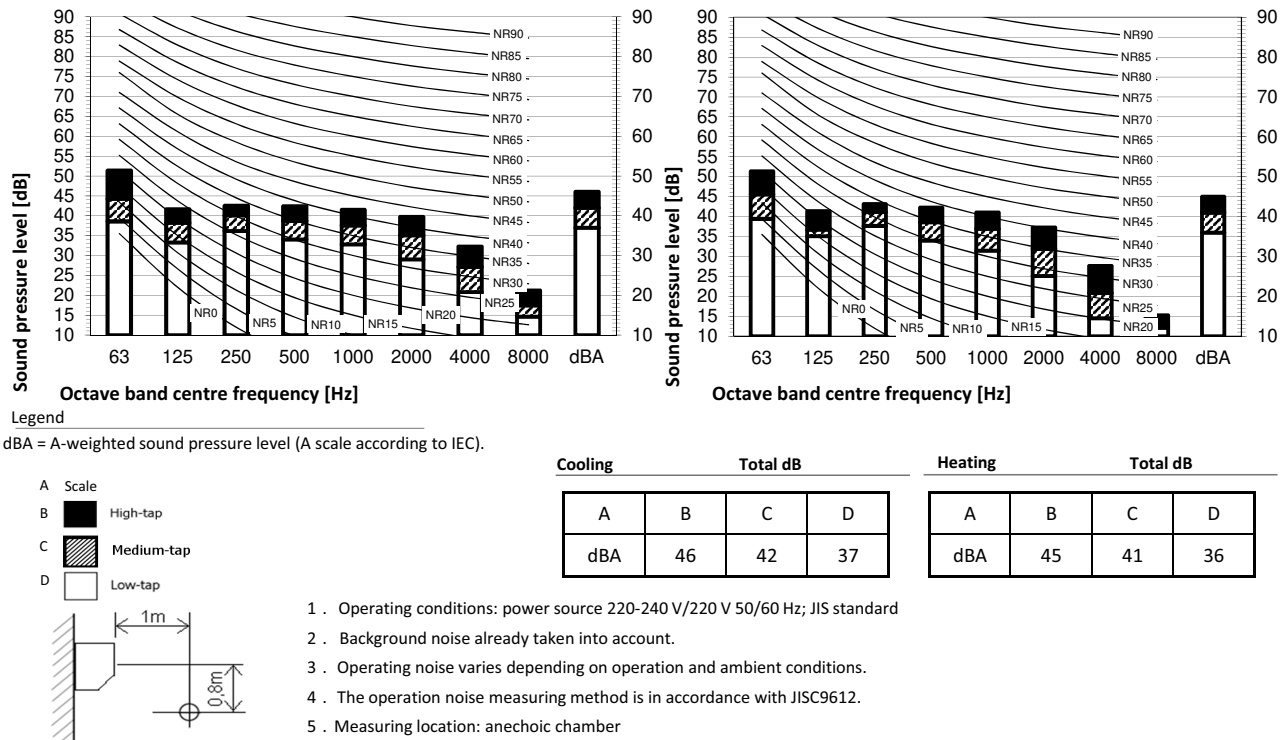
8 Sound data
8 - 1 Sound Pressure Spectrum

FTXM50N



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FTXM60N

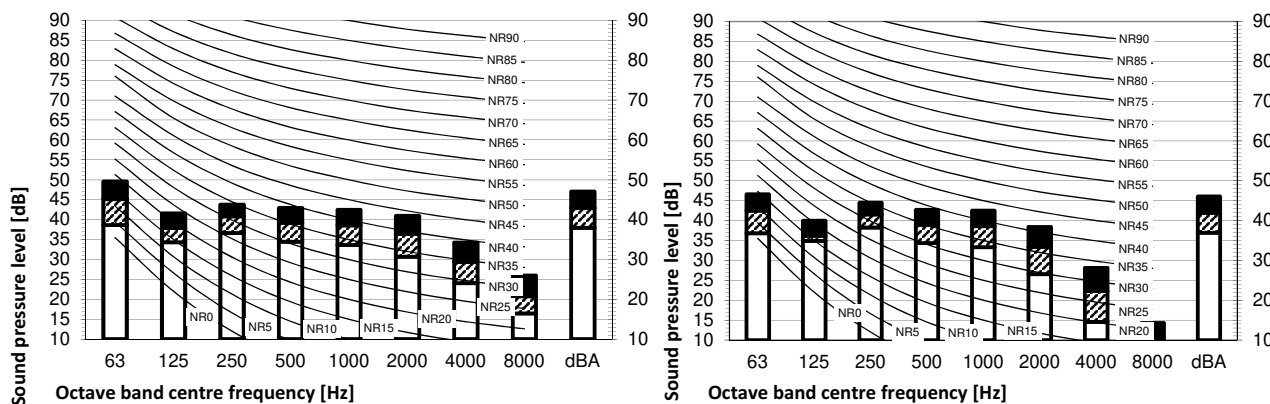


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8 Sound data

8 - 1 Sound Pressure Spectrum

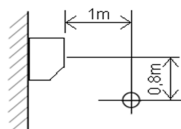
FTXM71N



Legend

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

- A Scale
- B High-tap
- C Medium-tap
- D Low-tap



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

Cooling			
Total dB			
A	B	C	D
dBA	47	43	38

Heating			
Total dB			
A	B	C	D
dBA	46	42	37

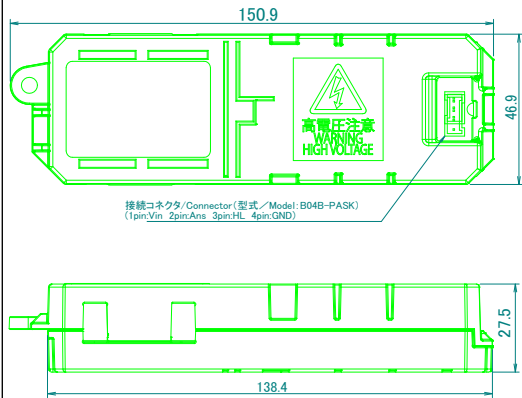
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9 Installation

9 - 1 Installation Method

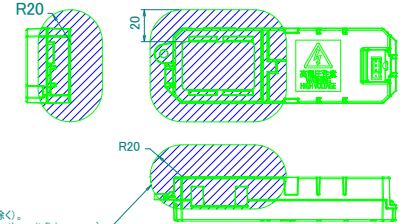
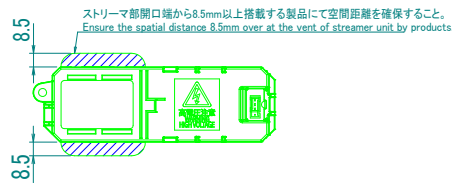
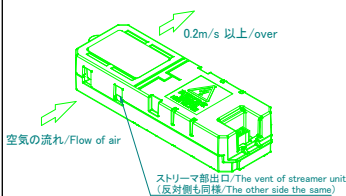
CTXM-N FTXM-N

・外形サイズ/Outside size



・取付方法/Method of mounting

電極部を閉塞しないこと。/Don't blockage the vent of streamer unit.
ストリーマ部出口風速0.2m/sec以上の風速となるよう風を供給すること。/Ensure the exit wind speed 0.2m/sec of the vent.
ストリーマ部出入り口開口端から8.5mm以上空間距離を確保すること。/Ensure the spatial distance 8.5mm over at the vent of streamer unit.



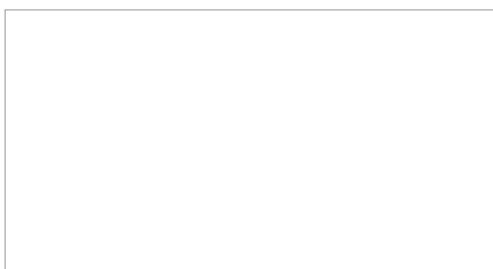
アルミテープから空間距離20mm以内に導電物を配置しないこと(但し固定ネジ除く)。
Don't arrange conduction material within 20mm of the aluminum tape (Except for the unit fixing screw).

・主仕様/Main specifications

項目/Items	内容/Contents
外形/Outside	外形寸法/Outside size
	150.9 × 46.9 × 27.5mm
	重さ/Weight
	100g
樹脂材料	材質/Material
	ABS
	難燃性/Flame retardance
	UL94-5VA
	トラッキング指数/Tracking index
	CTI600V以上/Over CTI600V
適応法規	適用法規/Applicable laws
	電気用品安全法/Electrical Appliance and Material Safety Act
	IEC60335-1(4th), IEC60335-2-65(4th)
温湿度条件	保管温度範囲/Storage temperature
	-25~70℃(非通電/Non-Energization)
Ambient conditions	使用温度範囲/Operating ambient temperature
	-10~60℃(通電/Energization)
	使用湿度範囲/Operating ambient humidity
	5~95%RH(結露なし/No dew deposit)
基本仕様	入力電圧/Input voltage
	14V±5%
Basic specifications	無負荷電圧/Maximum output voltage
	6.5±0.5kV
	定格電圧/Rating output voltage
	5.0±0.5kV
	定格出力電流/Rating output current
	Hi 55.5μA±10%
	Lo 10μA±10%
	ON/OFF
	Vinで出力(ON/OFF)/Inputted voltage into Vin (ON/OFF)
	Hi⇄Lo切替/Hi⇄Lo Switching
	HLに5V入力でLo/Inputted 5V into HL (Loe tap)
	電流モニター/Current monitor
	あり/Yes
	過電流検知/Detectable over current
	あり/Yes
	低電圧検知/Detectable low voltage
	3kV以下/Under 3kV
オゾン発生量	生成量/Generation amount of Ozone
	4.26ml/hr (Hi 14±2℃ 50±10%RH)
取付方法	取付方法/Method of mounting
	左右取付引掛け部にて固定/Fixing by the right and left hook
	ネジ部にて固定/Fixing by the screw section

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