

Wall mounted unit Air Conditioning Technical Data CTXF-F



CTXF20F5V1B
CTXF25F5V1B
CTXF35F5V1B

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CTXF-F

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1 Features

1 - 1 CTXF-F

Wall mounted unit for low energy consumption and pleasant comfort

1

- › Seasonal efficiency values up to A++ in cooling
- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Quiet in operation down to 21 dBA
- › 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



Onecta app


Econo mode
(25, 35 class)

Energy
saving during
standby mode
(25, 35 class)


Fan only


Comfort mode
(25, 35 class)

Powerful
mode

Auto cooling-
heating
changeover

Indoor
unit silent
operation

Vertical auto
swing

Auto fan
speed

Fan speed
steps
(5 steps)

Dry
programme


Air filter



24 hour timer


Infrared
remote control

Online
controller


Auto-restart



Self diagnosis

2 Specifications

2 - 1 Specifications

Technical specifications					CTXF20F	CTXF25F	CTXF35F
Power input	Cooling	Nom.	kW		0.023		0.029
	Heating	Nom.	kW			0.023	
Casing	Colour					White	
Dimensions	Unit	Height	mm			286	
		Width	mm			770	
		Depth	mm			225	
	Packed unit	Height	mm			305	
		Width	mm			830	
		Depth	mm			360	
Weight	Unit		kg		8.5		9
	Packed unit		kg			11	
Packing	Weight		kg			2	
Heat exchanger	Length		mm			610	
		Rows	Quantity			2	
	Fin pitch		mm			1.4	
		Stages	Quantity			18	
	Passes		Quantity		-		3
		Tube type				ø5 Hi-XB	
	Fin		Type			ML fin (Multi louver)	
		Length	mm		-		600
Heat exchanger 2	Rows		Quantity		-		1
		Fin pitch	mm		-		1.4
	Stages		Quantity		-		8
Fan	Type					Cross flow fan	
		Quantity				1	
	Air flow rate	Cooling	High	m ³ /min	9.8		10.9
				cfm	346		383
			Medium	m ³ /min	8		7
				cfm	286		255
			Low	m ³ /min	6		5.7
				cfm	212		202
		Heating	Silent operation	m ³ /min	4.3		4.6
				cfm	152		161
			High	m ³ /min	10.4		9.3
				cfm	367		329
Fan	Air flow rate	Heating	Medium	m ³ /min	8.3	8.4	7.5
				cfm	293	297	265
			Low	m ³ /min	6.2	6.4	6
				cfm	219	226	211
			Silent operation	m ³ /min	5.3		5.2
				cfm	187		183
Fan motor	Model					DFD03C1VB	
	Speed	Steps				5 + silent, + auto	
			Cooling	High	rpm	1,000	1,140
				Medium	rpm	830	850
				Low	rpm	660	680
				Silent operation	rpm	530	
		Heating	High	High	rpm	1,040	
				Medium	rpm	880	890
				Low	rpm	710	730
				Silent operation	rpm	610	
		Output	Rated	W		22	
Sound power level	Cooling			dBA	53	54	
	Heating			dBA	55		56
Sound pressure level	Cooling	High		dBA	39	40	56
		Medium		dBA	33		-
		Low		dBA	25	26	-
		Silent operation		dBA	20		-
	Heating	High		dBA	39	40	
		Medium		dBA	33	34	35
		Low		dBA	28		29
		Silent operation		dBA		21	
Piping connections	Liquid	OD	mm			6	
	Gas	OD	mm			9.5	
	Drain					18	
	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					ARC480A93	
	Wired remote control					BRC073A1	

Standard accessories: Installation manual;Quantity: 1;

2 Specifications

2 - 1 Specifications

Standard accessories: AAA dry-cell batteries;Quantity: 2;

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

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

Standard accessories: Infrared remote control;Quantity: 1;

Standard accessories: Mounting plate;Quantity: 1;

Standard accessories: Remote control holder;Quantity: 1;

Electrical specifications			CTXF20F	CTXF25F	CTXF35F
Power supply	Phase			1~	
	Frequency	Hz		50	
	Voltage	V		220-440	

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 (horizontal) |

See separate drawing for electrical data

3 Options

3 - 1 Options

ATXF20-42F
ATXF25-35G
CTXF20-35F
FTXF20-50F

Option kit	Product name	Remark	Applicable models															
			Class	Curing	Factory	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Wi-Fi adaptor for smartphones (Onecta App Adapter "Cartridge")	BRP069C47	(within PCB)	20	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Wired remote control	BRC073A1	(3)	25	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Wired remote control	BRC944B2		35	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Extension cord for wired remote control (3-m)	BRCW901A03		42	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Extension cord for wired remote control (8-m)	BRCW901A08		50	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Interface adaptor for wired remote control	KRP980B1	(1)	20	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Interface adaptor for wired remote control	KRP067A41		25	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Interface adaptor for wired remote control	EKR980B2		35	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Centralised control board (up to 5-rooms)	KRC72A		42	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		50	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Intelligent Touch Manager	DCM601A51	(2) (3)	20	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Interface adaptor for DIII-NET	KRP928B8Z5	(3)	25	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Central remote control	DCS302CA51	(2) (3)	35	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Intelligent Tablet Controller by using KRP928	DCS601A51	(2) (3)	42	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Unified ON/OFF controller	DCS3018A51/61	(2) (3)	50	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Schedule timer	DST3018A51/61	(2) (3)	20	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Titanium apatite deodorising filter without frame	KAF971A42		25	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Titanium apatite deodorising filter without frame	KAF952B42		35	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Titanium apatite deodorising filter without frame	KAF970A46		42	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Honeycomb deodorising and air-purifying filter without frame	KAF968A42		50	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Honeycomb deodorising filter with frame	KA2917B41		20	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Honeycomb deodorising filter without frame	KA2917B42		25	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Air-purifying filter with frame	KAF925B41		35	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Honeycomb deodorising and air-purifying filter with frame	KAF046A41		42	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Anti-theft protection for remote control	KKF910AA4		50	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Anti-theft protection for remote control	KKF917AA4		20	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Anti-theft protection for remote control	KKF936A4		25	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Installation frame for floor-standing units	BKS028A4		35	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Optional remote control BRC480A54 for heating-only indoor units	BRC54A		42	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Silver particle filter (Ag-ion) with frame	KAF057A41		50	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Modbus interface	EKM8DXA	(2) (3)	20	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
Modbus Gateway	RTD-RA	(2) (3)	25	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS
KNX interface	KLIC-DD	(2) (3)	35	BMS-R32	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS	DTAS

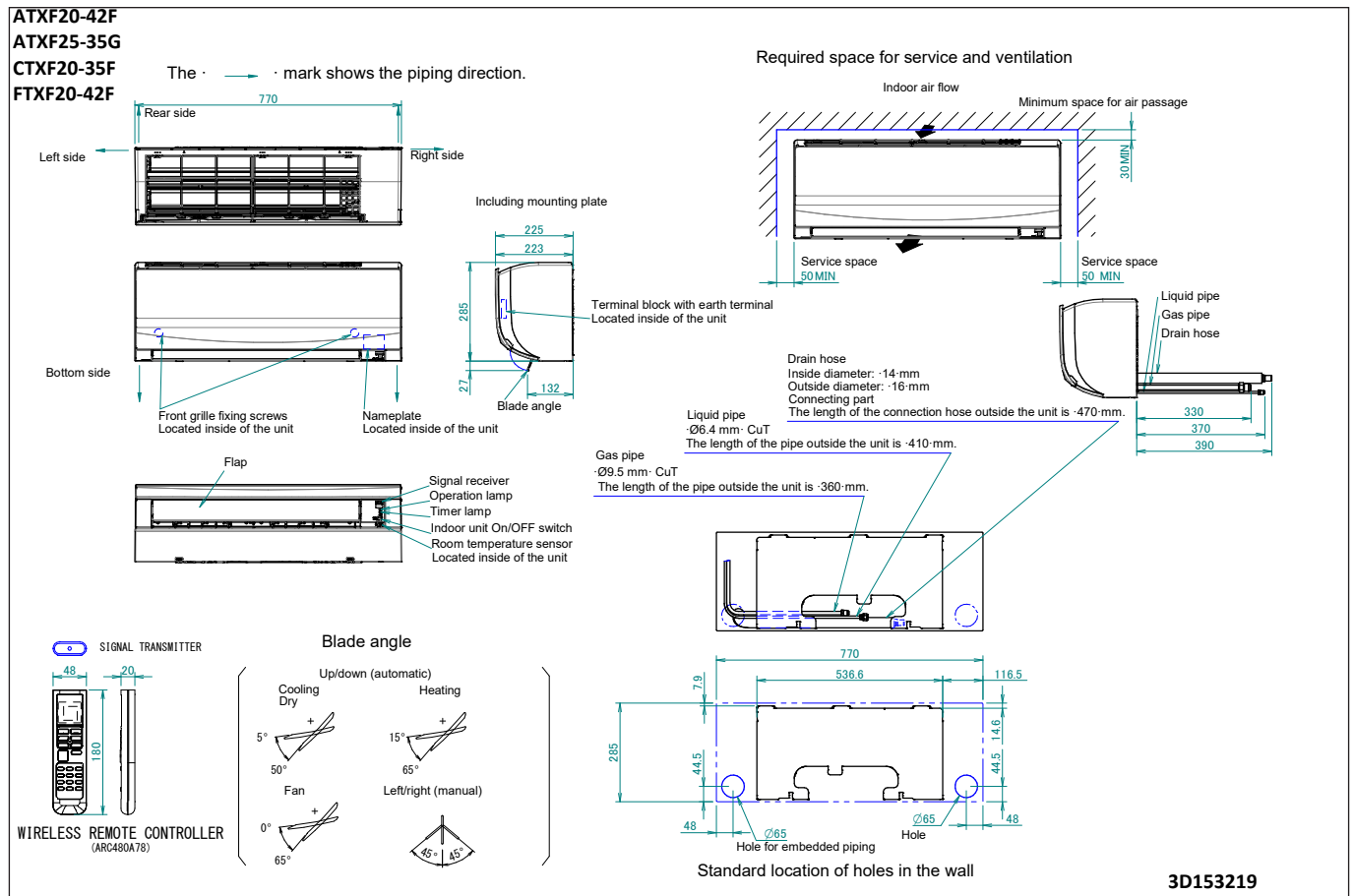
Notes

- This option feature a(n) .S21. connector .
- This option can not operate together with the wireless LAN functionality. When connecting this option to the indoor unit ,turn off the indoor unit's wireless LAN functionality.
- To connect this option to the indoor unit, therefore Interface adaptor .KRP980B1. is required.

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4 Dimensional drawings

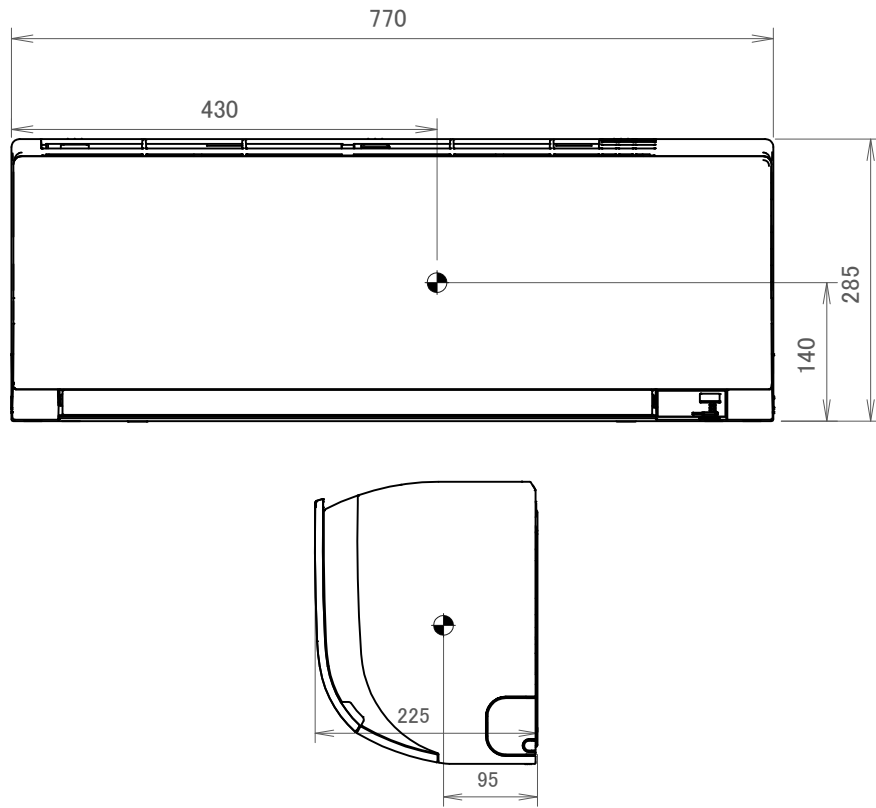
4 - 1 Dimensional Drawings



5 Centre of gravity

5 - 1 Centre of Gravity

ATXF20-42F
ATXF25-35G
CTXF20-35F
FTXF20-50F



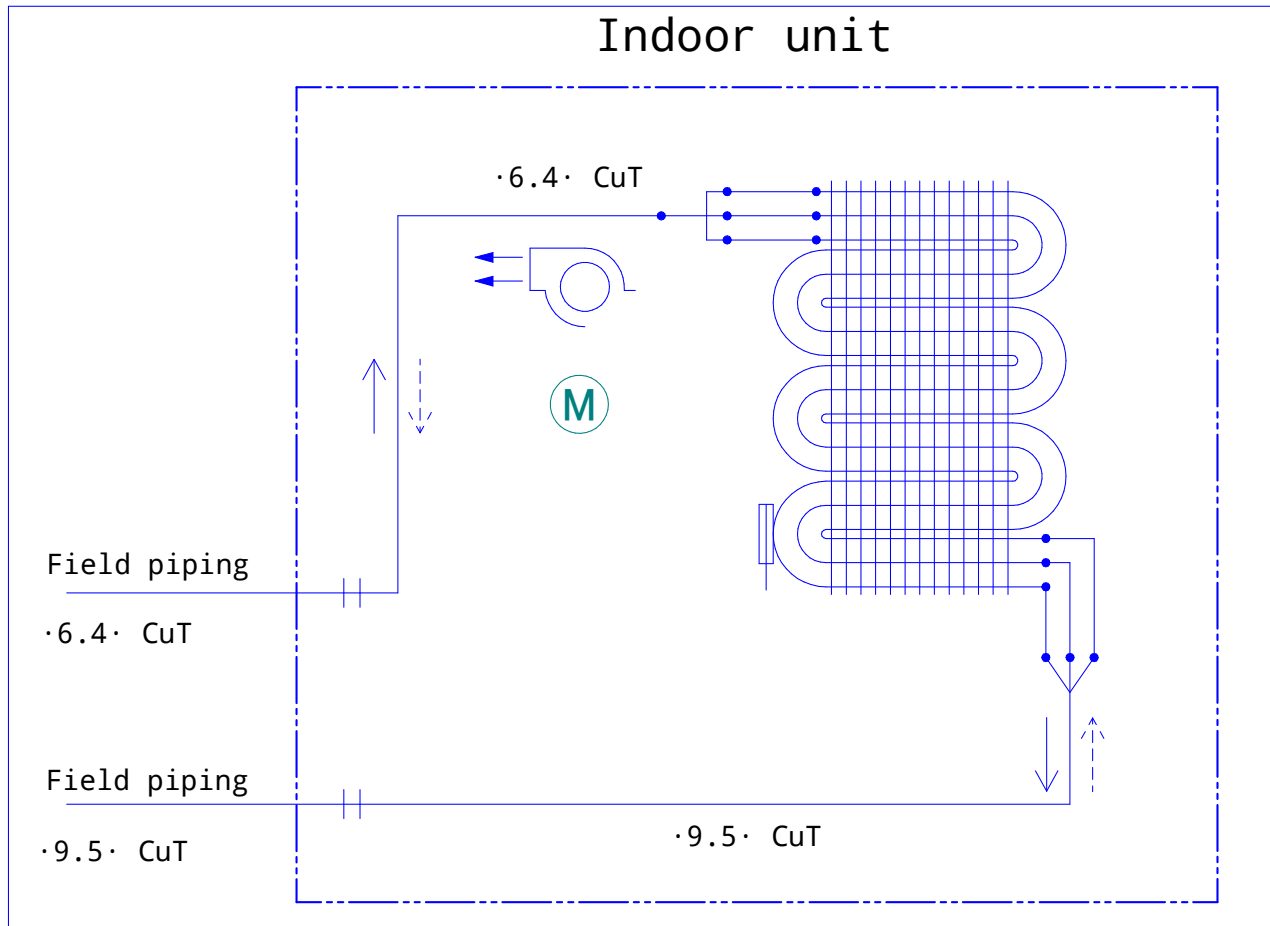
4D094235D

6 Piping diagrams

6 - 1 Piping Diagrams

6

ATXF35F
ATXF25G
CTXF20-25F
FTXF35F



Refrigerant flow

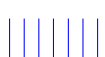
→ Cooling

---→ Heating

 Crossflow fan

 Fan motor

 Thermistor (heat exchanger)

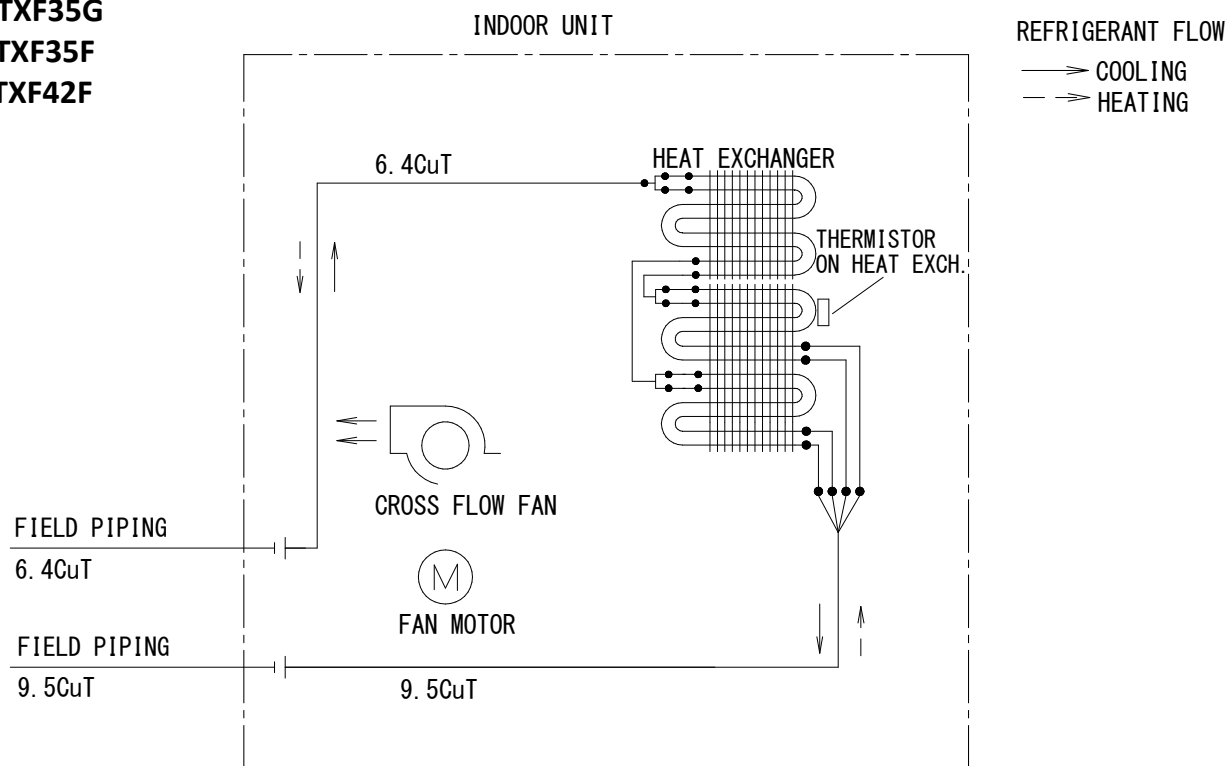
 Heat exchanger

4D139891

6 Piping diagrams

6 - 1 Piping Diagrams

ATXF42F
ATXF35G
CTXF35F
FTXF42F



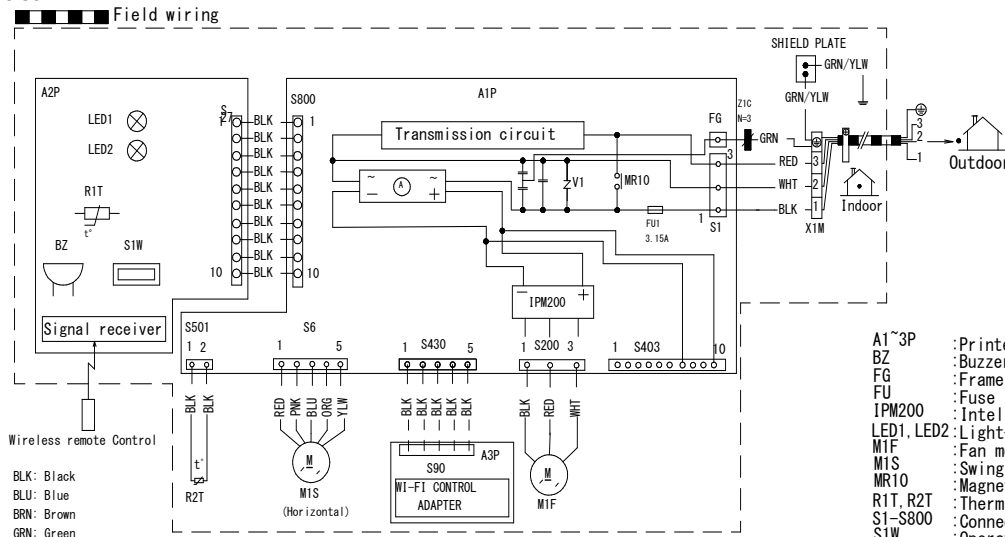
3D130682

7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

ATXF20-42F
ATXF25-35G
CTXF20-35F
FTXF20-50F

Wiring diagram

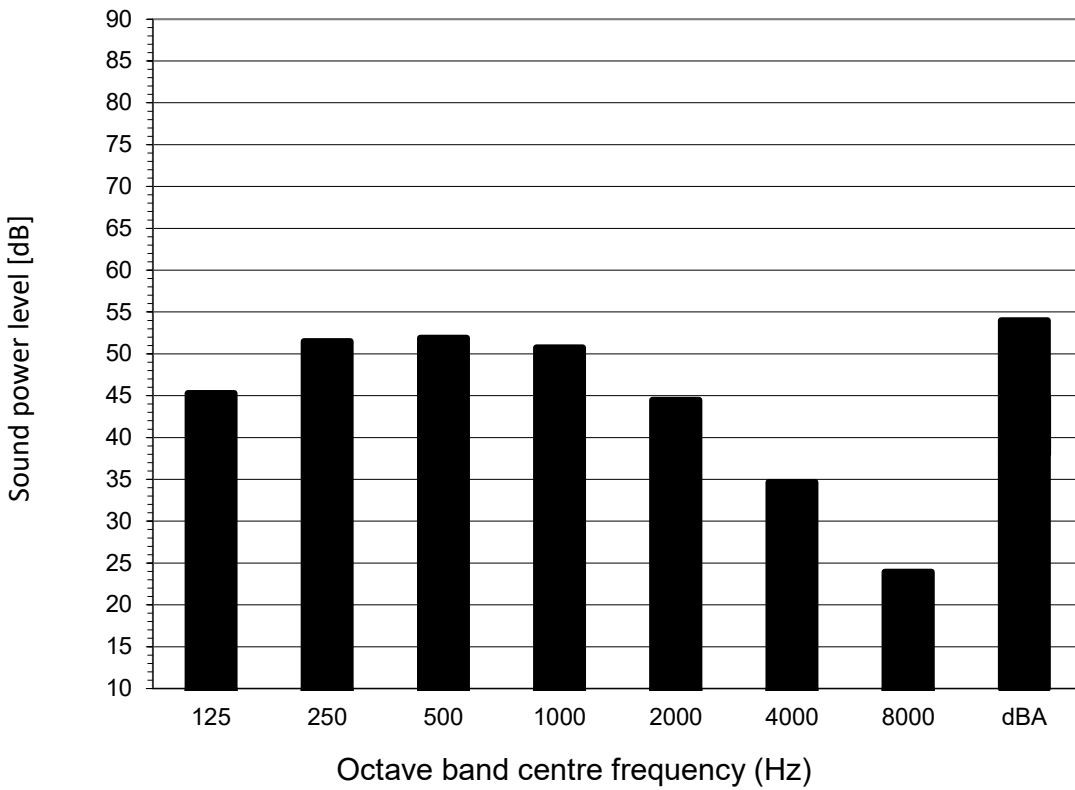


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8 Sound data

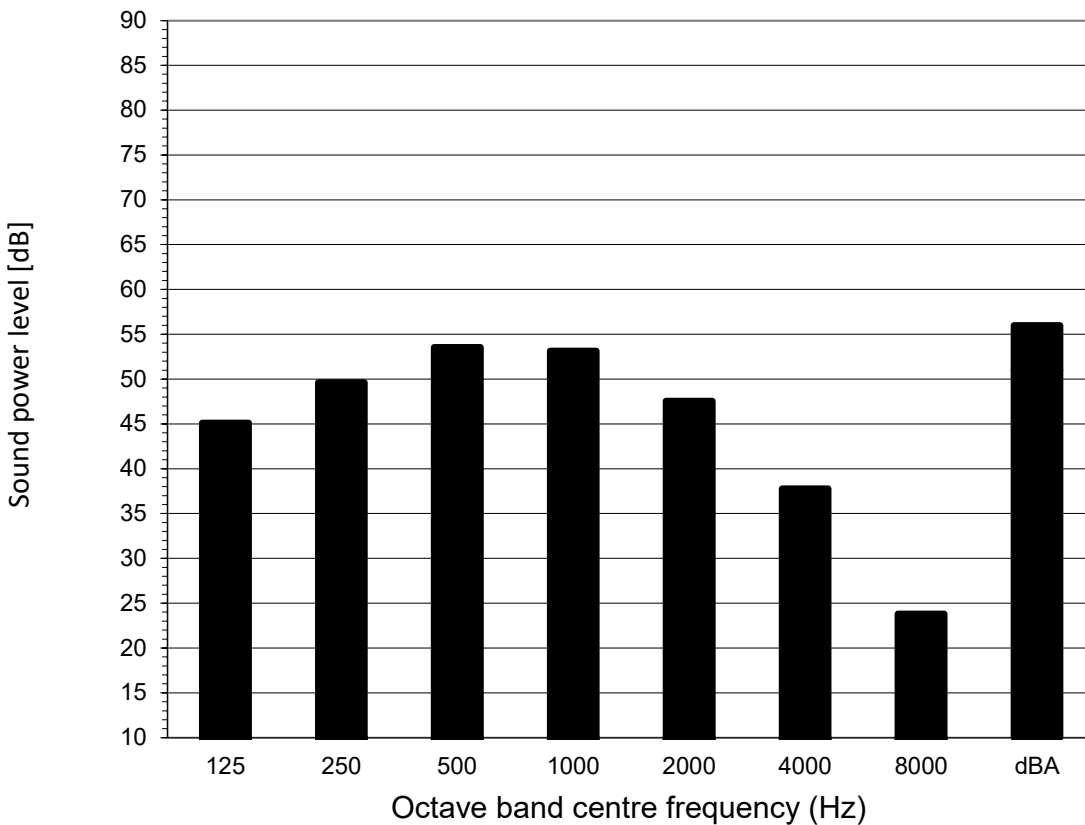
8 - 1 Sound Power Spectrum

ATXF35F ATXF25G
CTXF20-25F FTXF35F Cooling mode



Heating mode

Fan Speed
High



4D131988

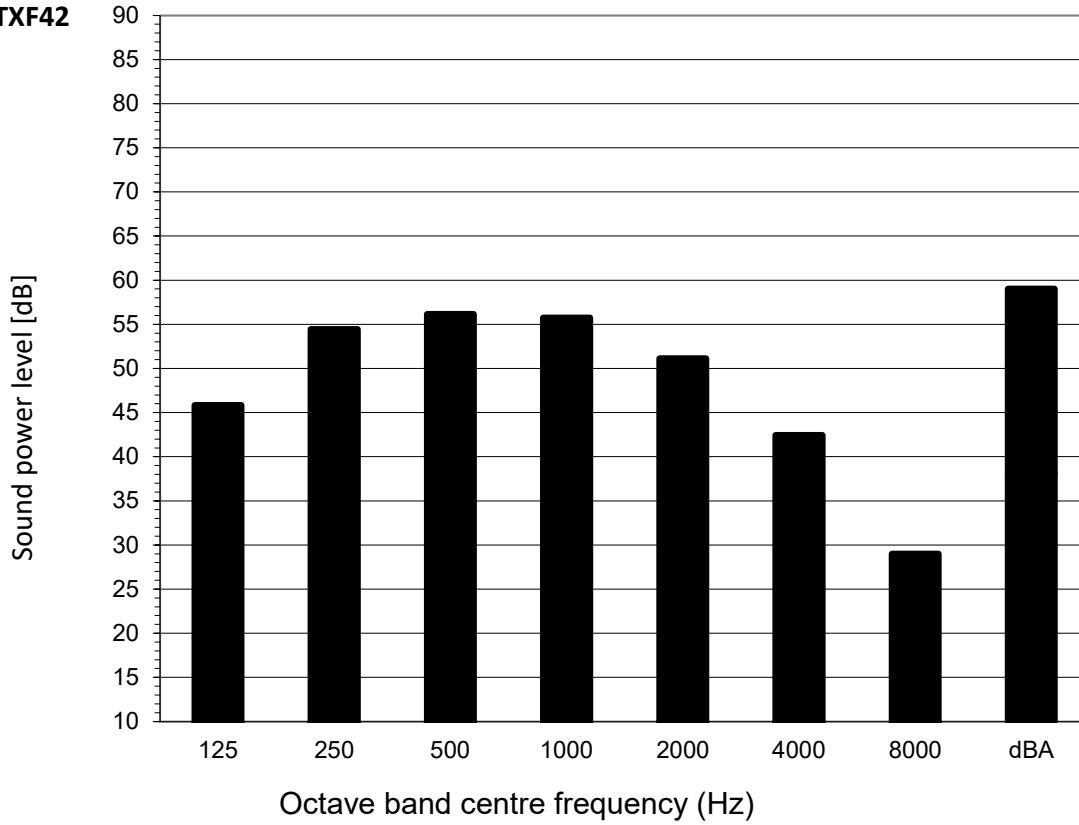
8 Sound data

8 - 1 Sound Power Spectrum

8

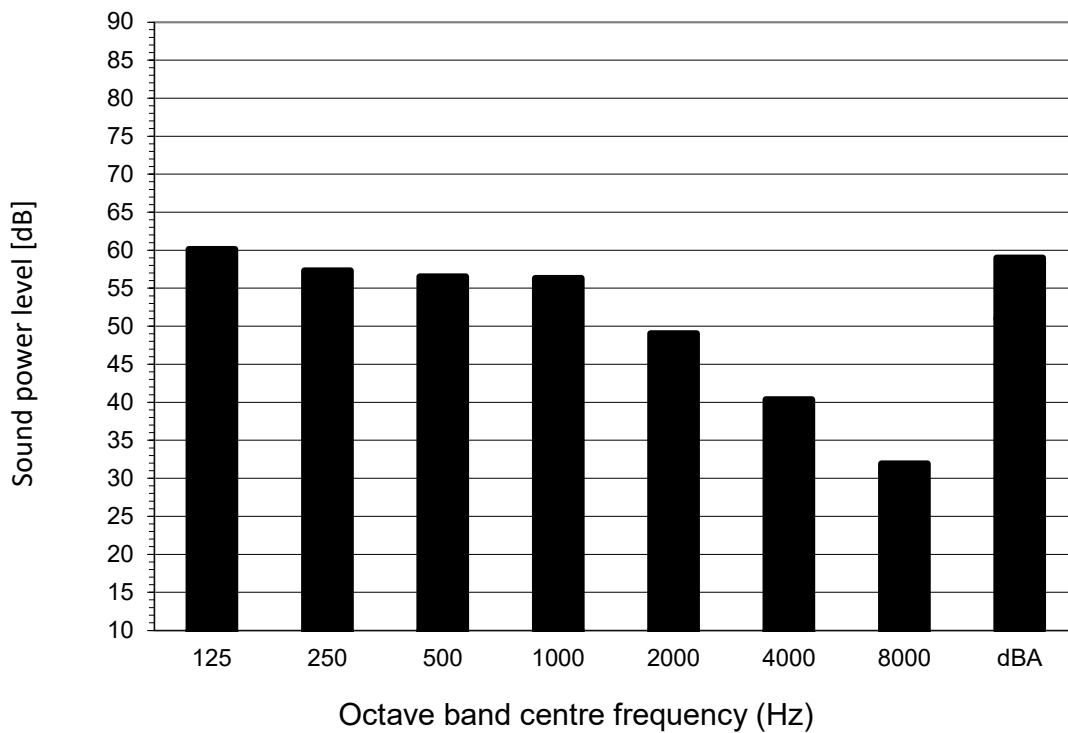
ATXF42F
ATXF35G
CTXF35F
FTXF42

Cooling mode



Fan Speed
High

Heating mode

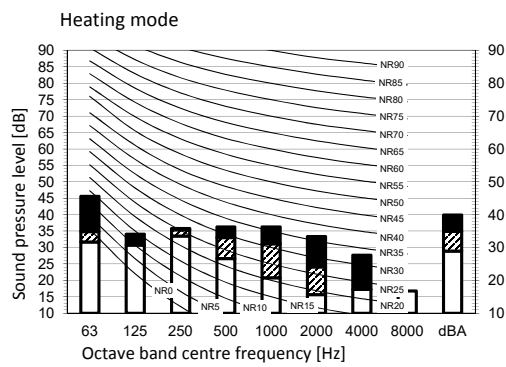
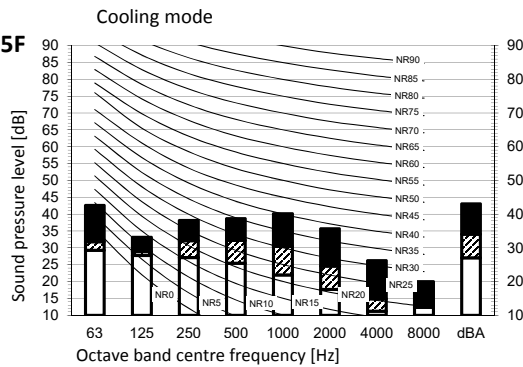


4D131989

8 Sound data

8 - 2 Sound Pressure Spectrum

ATXF35F
ATXF25G
CTXF20-25F
FTXF35F



Legend

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

A Scale Fan speed
B High
C Medium
D Low

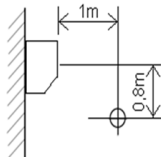
Cooling Total dB			
A	B	C	D
dBA	43	34	27

Heating Total dB			
A	B	C	D
dBA	40	35	29

Notes

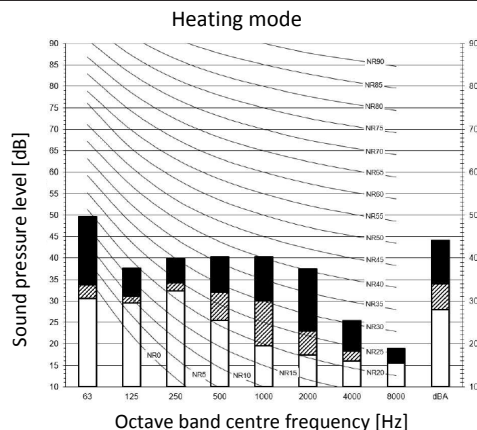
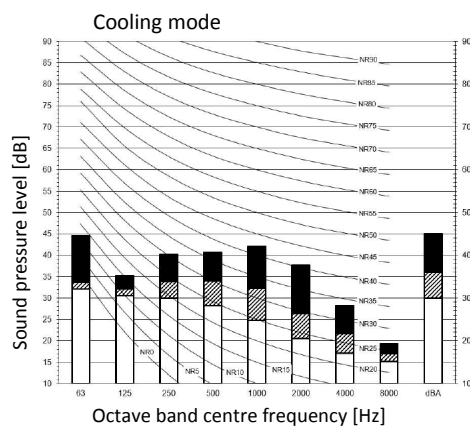
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

Location of microphone



3D108791A

ATXF42F
ATXF35G
CTXF35F
FTXF42F



Legend

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

A Scale Fan speed
B High
C Medium
D Low

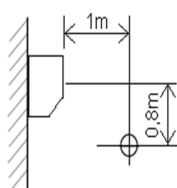
Cooling Total dB			
A	B	C	D
dBA	45	36	30

Heating Total dB			
A	B	C	D
dBA	44	34	28

Notes

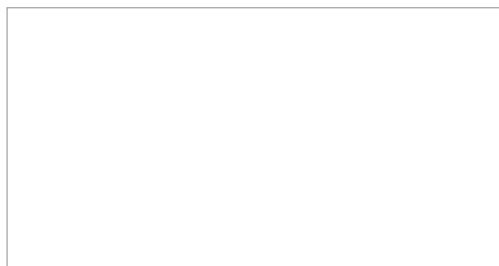
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

Location of microphone



3D144462

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01/2025



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