

Wall mounted unit Air Conditioning Technical Data FTXF-F



FTXF20F5V1B
FTXF25F5V1B
FTXF35F5V1B
FTXF42F5V1B
FTXF50F5V1B
FTXF60F2V1B
FTXF71F2V1B

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FTXF-F

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1 Features

1 - 1 FTXF-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 20 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



Auto-restart



Self diagnosis

2 Specifications

2 - 1 Specifications

Technical specifications					FTXF20F		FTXF25F		FTXF35F		FTXF42F		
Power input	Cooling	Nom.	kW		0.023				0.029		0.04		
	Heating	Nom.	kW		0.023				0.029		0.04		
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				8.5		9			
	Packed unit	kg		10						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)									
	Heat exchanger 2	Length		mm		-						600	
Rows		Quantity		-								1	
Fin pitch		mm		-						1.4			
Stages		Quantity		-						8			
Fan	Type				Cross flow fan								
	Quantity				1								
	Air flow rate	Cooling	High	m³/min	9.8	10		11.5		12.6			
				cfm	346	353		406		450			
			Medium	m³/min	8				9				
		cfm		286	289		298		310				
		Low	m³/min	6	6.2		6.4		6.9				
			cfm	212	219		226		243				
	Heating	Silent operation	m³/min	4.3				4.4		4.9			
			cfm	152				155		173			
		High	m³/min	10.4				11.9		12.8			
			cfm	367				420		452			
		Medium	m³/min	8.3	8.4		8.6		8.8				
			cfm	293	297		302		310				
Fan	Air flow rate	Heating	Medium	cfm	293	297		302		310			
			Low	m³/min	6.2	6.4		6.5		6.7			
			cfm	219	226		230		236				
			Silent operation	m³/min	5.3				5.2				
				cfm	187						183		
Fan motor	Model				DFD03C1VB								
	Speed	Steps	5 + silent, + auto										
	Cooling	High	rpm	1,000	1,020		1,140		1,250				
			rpm	830	870		1,010						
		Low	rpm	660	700		780						
	Silent operation		rpm	530	540		600						
	Heating	High	rpm	1,040	1,140		1,250						
			rpm	880	930		1,010						
		Low	rpm	710	760		780						
	Silent operation		rpm	610				650					
		Output	Rated	W		22							
Sound power level	Cooling			dBA	53	54		59					
	Heating			dBA	55	56		59					
Sound pressure level	Cooling	High	dBA	39	40		43		45				
			dBA	33		34		36					
		Low	dBA	25	26		27		30				
			Silent operation	dBA	20				22				
	Heating	High	dBA	39	40				44				
			dBA	34				35		34			
		Low	dBA	28				29		28			
			Silent operation	dBA	21				22				
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								

2 Specifications

2 - 1 Specifications

Technical specifications					FTXF50F		FTXF60F		FTXF71F			
Power input	Cooling	Nom.	kW		0.04		0.032					
	Heating	Nom.	kW		0.04		0.035					
Casing	Colour						White					
Dimensions	Unit	Height	mm		286		295					
		Width	mm		770		990					
		Depth	mm		225		263					
	Packed unit	Height	mm		305		368					
		Width	mm		830		1,080					
		Depth	mm		360		383					
Weight	Unit			kg	9		13.5					
	Packed unit			kg	11		16					
Packing	Weight			kg	2		2.5					
Heat exchanger	Length		mm		610		820					
	Rows	Quantity				2						
	Fin pitch		mm				1.4					
	Stages	Quantity				18						
	Passes	Quantity				3		6				
	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						
Heat exchanger 3	Length		mm		-		810					
	Rows	Quantity				-		1				
	Fin pitch		mm		-		1.4					
	Stages	Quantity				-		4				
Fan	Type						Cross flow fan					
	Quantity				1		-					
	Air flow rate	Cooling	High	m³/min	12.6		17.3					
				cfm	450		610					
			Medium	m³/min	9		14.8					
				cfm	328		522					
		Low	m³/min	7.2		12.2						
			cfm	255		430						
Silent operation		m³/min	6.4		10.7							
		cfm	225		377							
Fan	Air flow rate	Cooling	Silent operation	cfm	225		377					
				m³/min	12.8		17.9					
		Heating	High	cfm	452		632					
				m³/min	9.6		15.8					
		Medium	cfm	339		557						
			m³/min	7.2		12.8						
		Low	cfm	254		452						
			Silent operation	m³/min	6.4		11.3					
Fan motor	Model				DFD03C1VB		MM9E17S21VA					
	Speed	Steps					5 + silent, + auto					
		Cooling	High	rpm	1,250		1,070					
				rpm	1,030		940					
				rpm	850		810					
				rpm	760		730					
		Heating	High	rpm	1,250		1,100					
				rpm	1,060		990					
				rpm	860		840					
				rpm	780		760					
		Output	Rated	W		22		46				
		Sound power level	Cooling			dBA	59		60		62	
			Heating			dBA	59				62	
		Sound pressure level	Cooling	High			dBA	45				46
Medium				dBA	39		41		42			
Low				dBA	34		36		37			
Silent operation				dBA	31		33		34			
Heating	High				dBA	44				45		
	Medium				dBA	38		40		41		
	Low				dBA	33		35		36		
	Silent operation				dBA	30		32		33		
Piping connections	Liquid	OD	mm		6		6.35					
	Gas	OD	mm				12.7					
	Drain						18					
	Heat insulation						Both liquid and gas pipes					
Air filter	Type						Removable / washable					
Air direction control					Right, Left, Horizontal, Downward		Left, right, up and downwards					

2 Specifications

2 - 1 Specifications

Technical specifications		FTXF50F	FTXF60F	FTXF71F
Temperature control		Microcomputer control		
Control systems	Infrared remote control	ARC480A93	ARC470A1	
	Wired remote control	BRC073A1		

Standard accessories: Installation manual;Quantity: 1;

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		FTXF20F	FTXF25F	FTXF35F	FTXF42F	FTXF50F	FTXF60F
Power supply	Name	-					V1
	Phase	1~					
	Frequency	Hz	50				
	Voltage	V	220-440				220-240
Current	Nominal running current	Heating	A	-			0.37
	(RLA) - 50Hz						

Electrical specifications		FTXF71F					
Power supply	Name	V1					
	Phase	1~					
	Frequency	Hz	50				
	Voltage	V	220-240				
Current	Nominal running current	Heating	A	0.4			
	(RLA) - 50Hz						

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 - 1 Options

FTXF20-50F

3

Notes

- ① Standard equipped
- ② To connect this option to the indoor unit, Interface adaptor .KRP067A41. is required.
- ③ This option feature a(n) .S21. connector .KRP067A41. is only .S21. PCB.
- ④ 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.
- ⑤ This option is a controller used in DIII net
- ⑥ Production of this option finished, replaced by new option KRP413BB1S.

8

Options

3 - 1 Options

ATXF60-71F
FTXF60-71F
3

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTXP20L5V1B	20	BMS-R32	DTAS
Wired remote control	BRC944B2		FTXP25L5V1B	25	BMS-R32	DTAS
Extension cord for wired remote control (3m)	BRCW901A03		FTXP35L5V1B	35	BMS-R32	DTAS
Extension cord for wired remote control (5m)	BRCW901A08		FTXP20L5V1B	20	BMS-R32	DTAS
Interface adaptor for wired remote control	KRP980B1		ATXP25L5V1B	25	BMS-R32	DTAS
Interface adaptor for wired remote control	KRP067A41		ATXP35L5V1B	35	BMS-R32	DTAS
Interface adaptor for wired remote control	EKRP980B2		FTXF20A5V1B	20	BMS-R32	DTAS
Centralised control board (up to 5 rooms)	KRC72A		FTXF25A5V1B	25	BMS-R32	DTAS
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		FTXF35A5V1B	35	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B41	④⑤	FTXF20B5V1B	20	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B42	⑤	FTXF25B5V1B	25	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B43	⑤	ATXF20A5V1B	20	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069A44	⑥	ATXF25A5V1B	25	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B45	⑤	ATXF35A5V1B	35	BMS-R32	DTAS
Interface adaptor for DIII-NET	KRP928BB2S		FTXP20M5V1B	20	BMS-R32	DTAS
Central remote control	DCS302CA51		FTXP25M5V1B	25	BMS-R32	DTAS
Unified ON/OFF controller	DCS301BA51		FTXP35M5V1B	35	BMS-R32	DTAS
Schedule timer	DST301BA51		ATXF50A2V1B	50	BML	DiCz
Titanium apatite deodorising filter without frame	KAF971A42	①	ATXF60A2V1B	60	BML	DiCz
Titanium apatite deodorising filter without frame	KAF952B42	③	ATXF60F2V1B	60	BML	DiCz
Titanium apatite deodorising filter without frame	KAF970A46	②	ATXF71F2V1B	71	BML	DiCz
Honeycomb deodorising and air-purifying filter without frame	KAF968A42		FTXF50D2V1B	50	BML	DiCz
Honeycomb deodorising filter with frame	KAZ917B41		FTXF60D2V1B	60	BML	DiCz
Honeycomb deodorising filter without frame	KAZ917B42		FTXF71D2V1B	71	BML	DiCz
Air-purifying filter with frame	KAF925B41		FTXF60F2V1B	60	BML	DiCz
Honeycomb deodorising and air-purifying filter with frame	KAF046A41		FTXF71F2V1B	71	BML	DiCz
Anti-theft protection for remote control	KKF910AA4		FTXP50N2V1B	50	BML	DiCz
Anti-theft protection for remote control	KKF917AA4		FTXP60N2V1B	60	BML	DiCz
Anti-theft protection for remote control	KKF936A4	⑥	FTXP71N2V1B	71	BML	DiCz
Installation frame for floor-standing units	BKS028A4		FTXP60N2V1B	60	BML	DiCz
Optional remote control BRC480A54 for heating-only indoor units	BRC54A	⑦	FTXP71N2V1B	71	BML	DiCz

Notes

- Three-dimensional knitted fabric (42x275mm) + activated charcoal net
- Three-dimensional knitted fabric (42x255mm) + activated charcoal net
- Corrugated fiberboard (42x275mm)
- Without connection cable
- Option ·BRP069A**· was replaced by option ·BRP069B**·.
- This option is no longer produced.
- Only for France

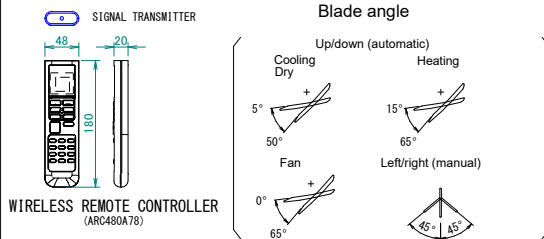
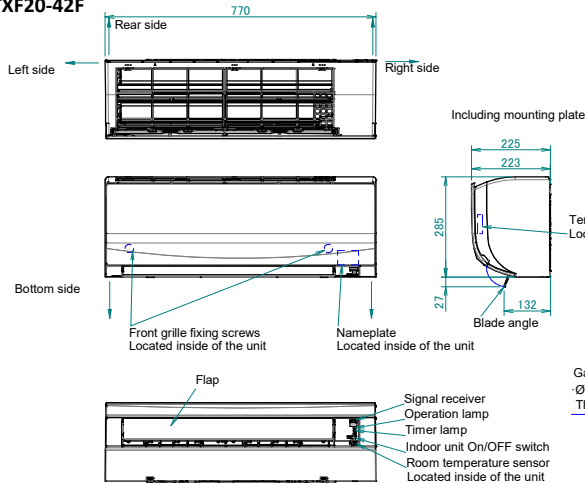
3D095173U

4 Dimensional drawings

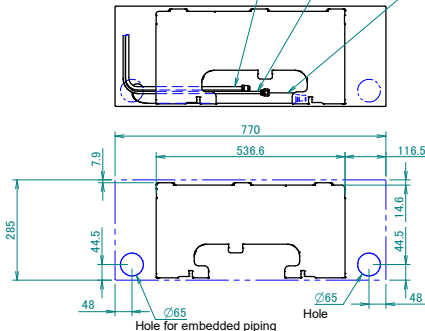
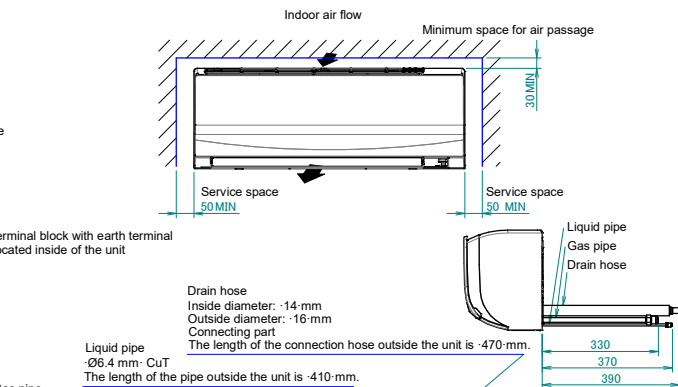
4 - 1 Dimensional Drawings

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

The · — · mark shows the piping direction.



Required space for service and ventilation

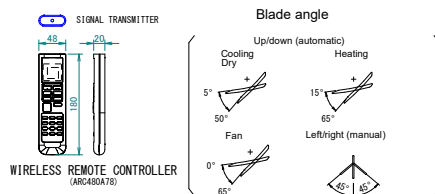
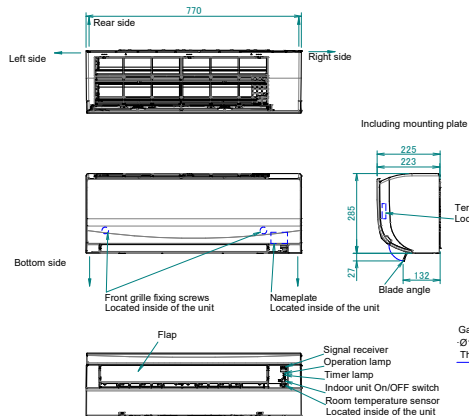


Standard location of holes in the wall

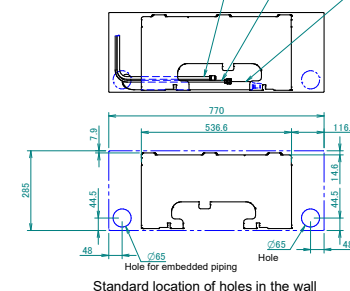
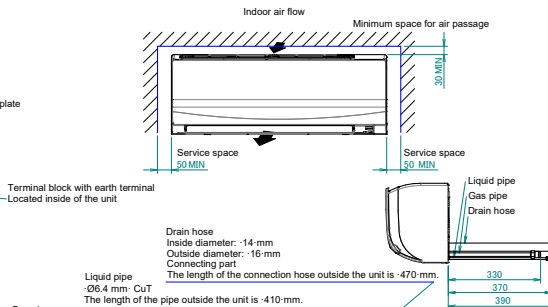
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ATXF50F
FTXF50F

The · — · mark shows the piping direction.



Required space for service and ventilation



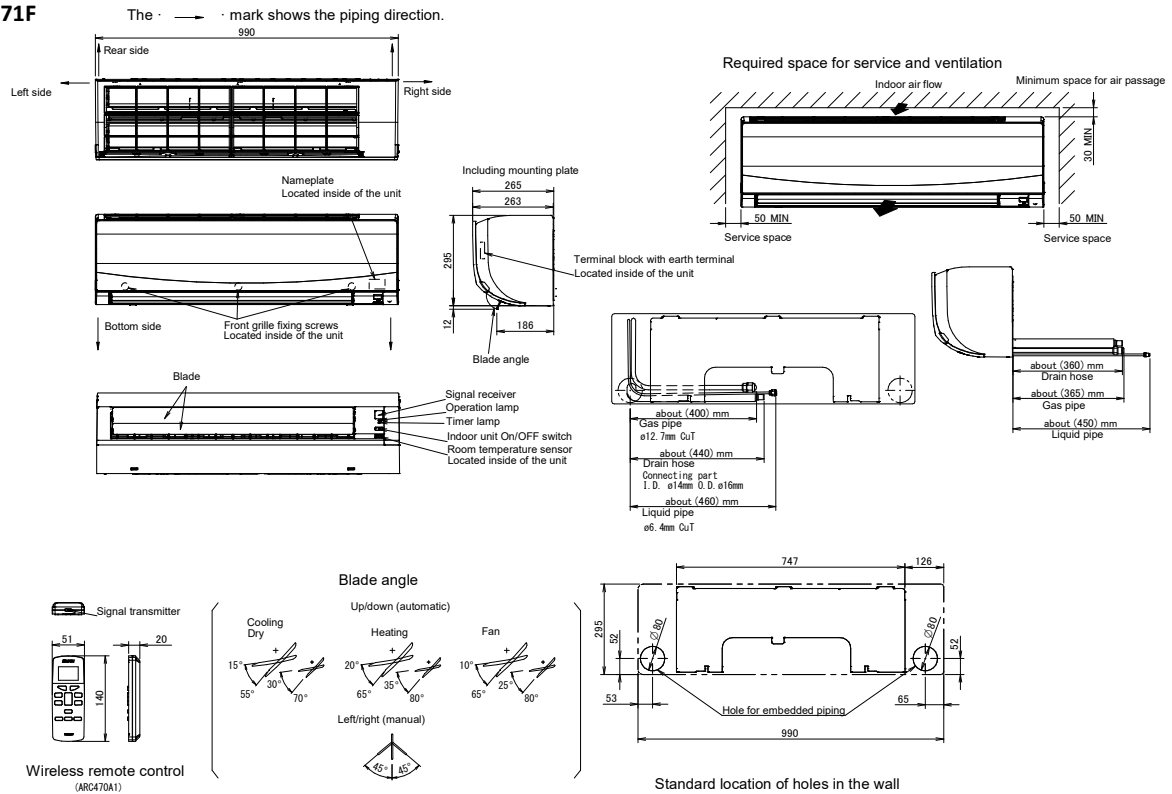
Standard location of holes in the wall

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4 Dimensional drawings

4 - 1 Dimensional Drawings

ATXF60-71F FTXF60-71F



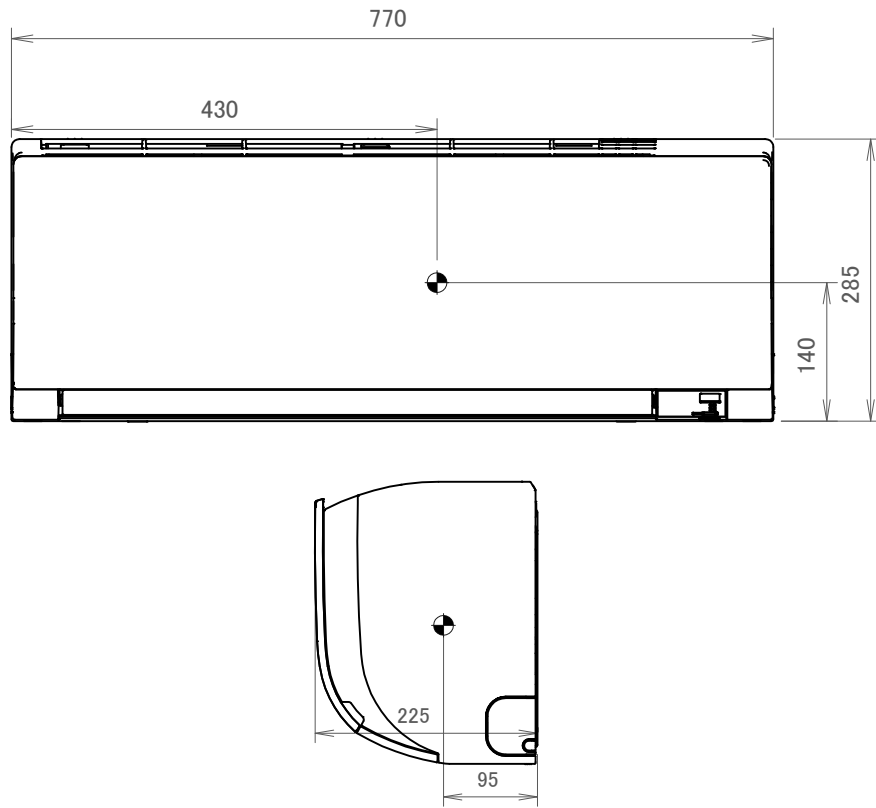
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5 Centre of gravity

5 - 1 Centre of Gravity

5

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



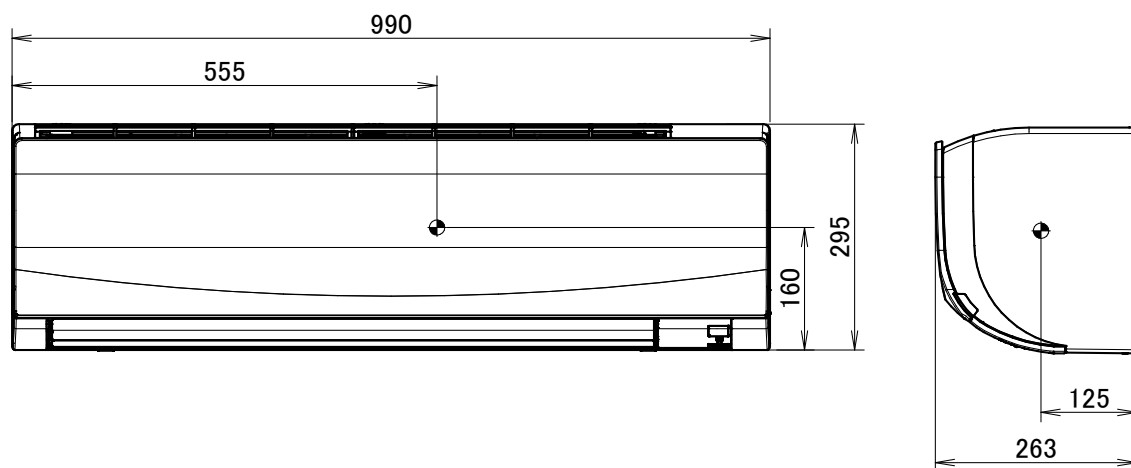
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5 Centre of gravity

5 - 1 Centre of Gravity

ATXF60-71F

FTXF60-71F



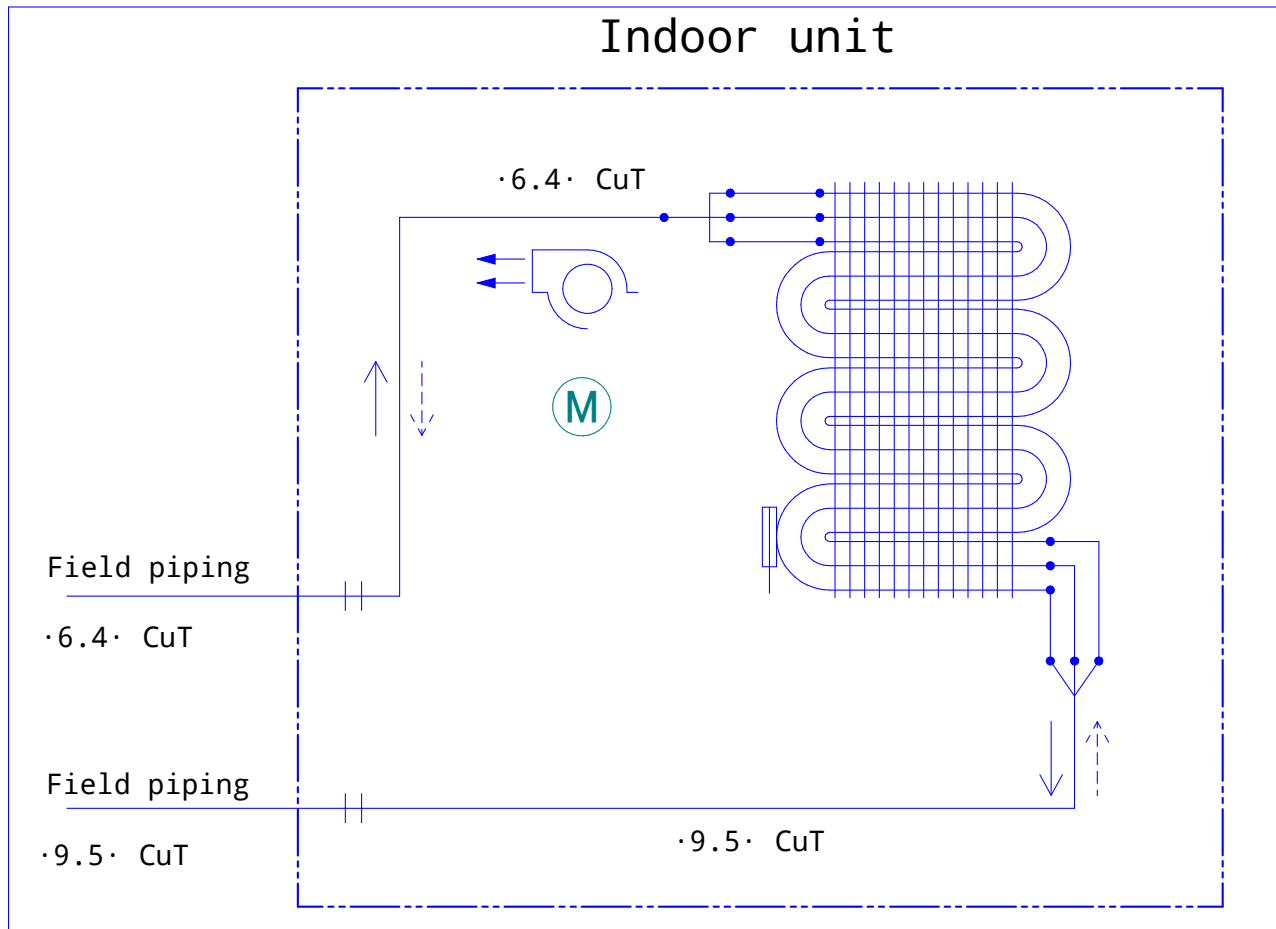
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6 Piping diagrams

6 - 1 Piping Diagrams

6

ATXF35F ATXF25G
CTXF20-25F FTXF35F



Refrigerant flow

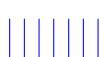
→ Cooling

---→ Heating

 Crossflow fan

 Fan motor

 Thermistor (heat exchanger)

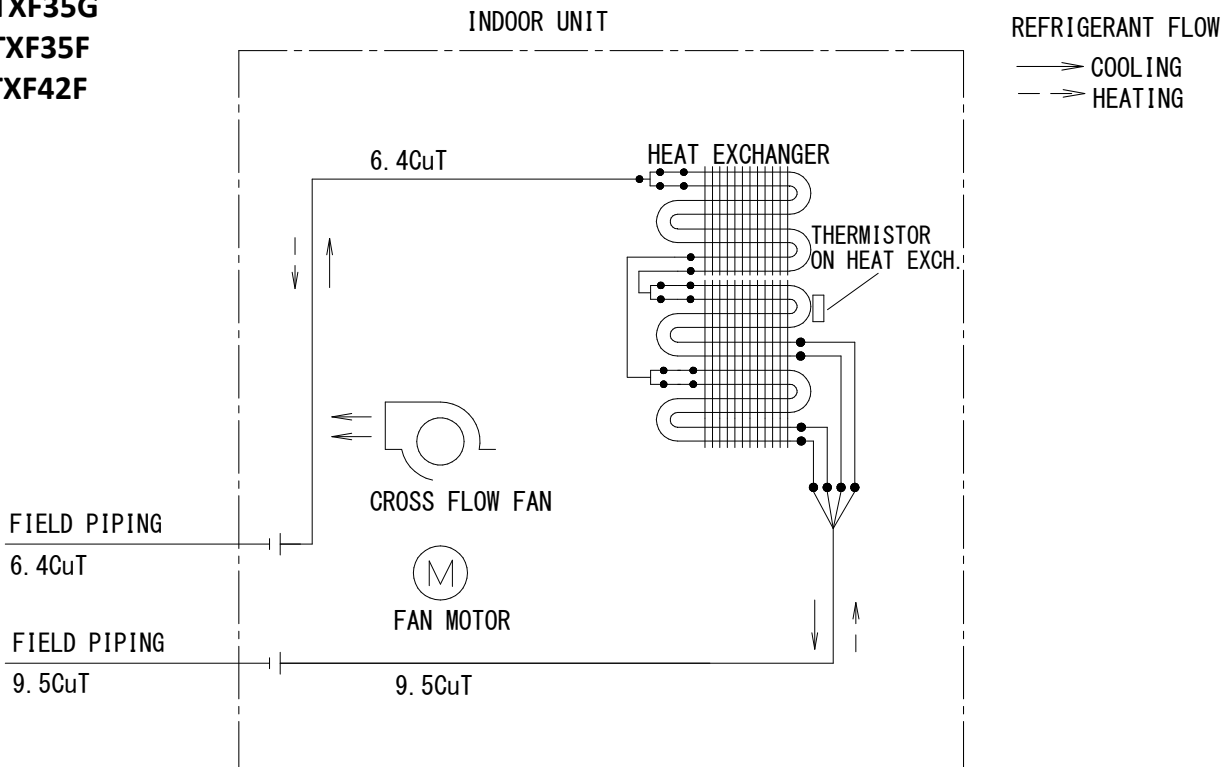
 Heat exchanger

4D139891

6 Piping diagrams

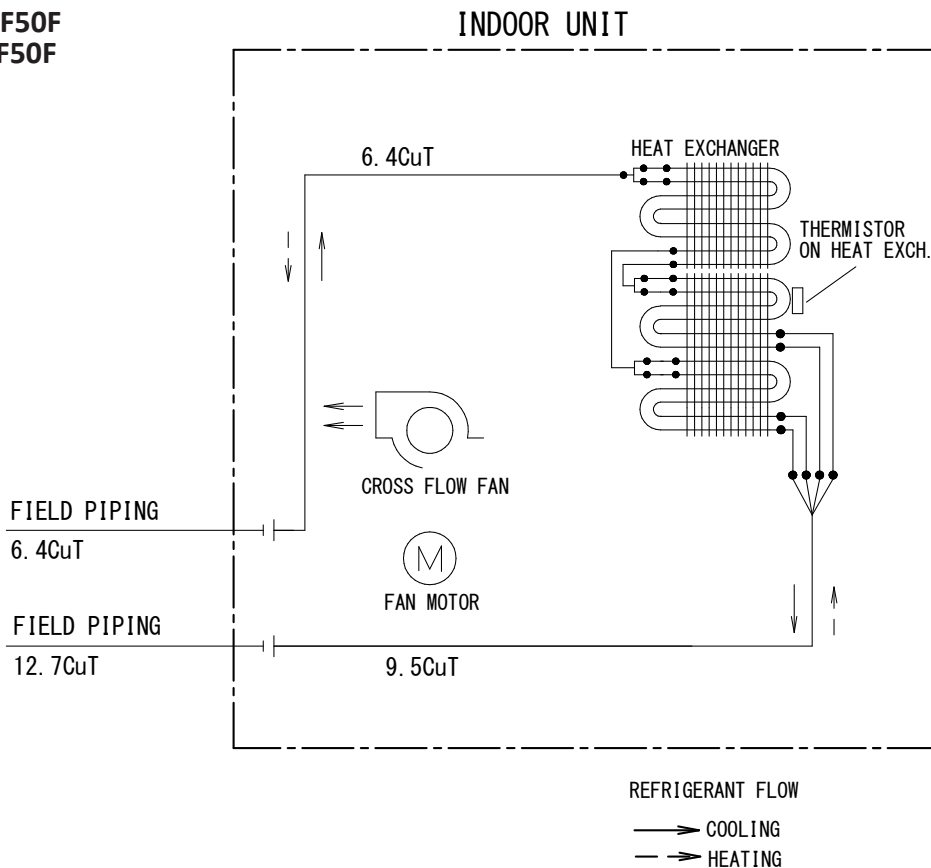
6 - 1 Piping Diagrams

ATXF42F
ATXF35G
CTXF35F
FTXF42F



3D130682

ATXF50F
FTXF50F



3D153080

6 Piping diagrams

6 - 1 Piping Diagrams

ATXF60-71F

FTXF60-71F

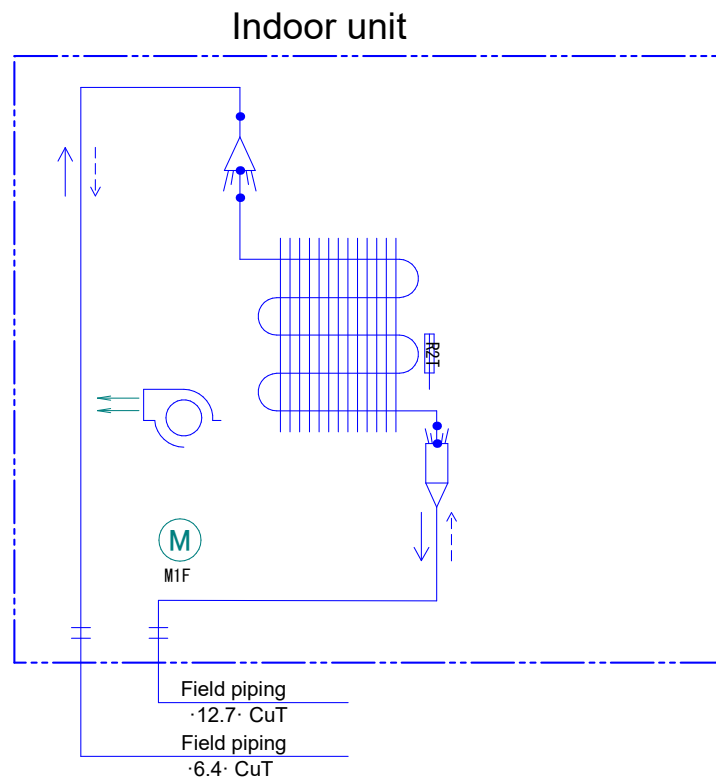
6

Legend

-  Fan motor
-  Distributor
-  Heat exchanger
-  Crossflow fan
-  Thermistor (heat exchanger)

Refrigerant flow

-  Cooling
-  Heating



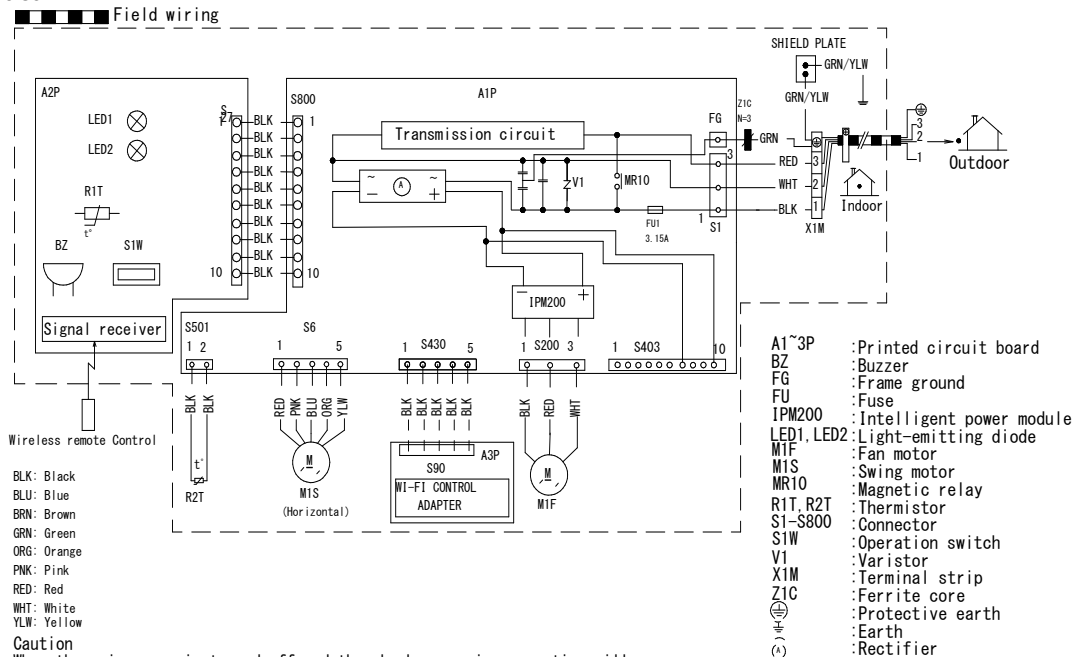
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7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

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

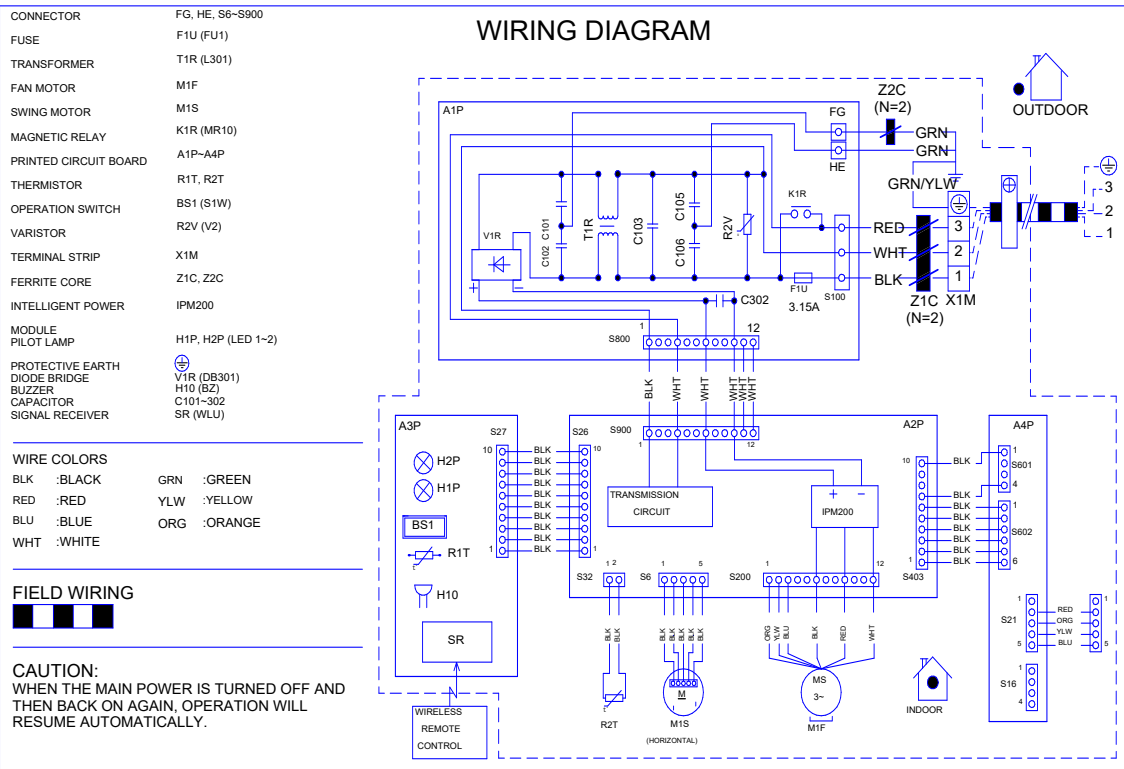
Wiring diagram



3D153085A

ATXF60-71F
FTXF60-71F

WIRING DIAGRAM



3D154350

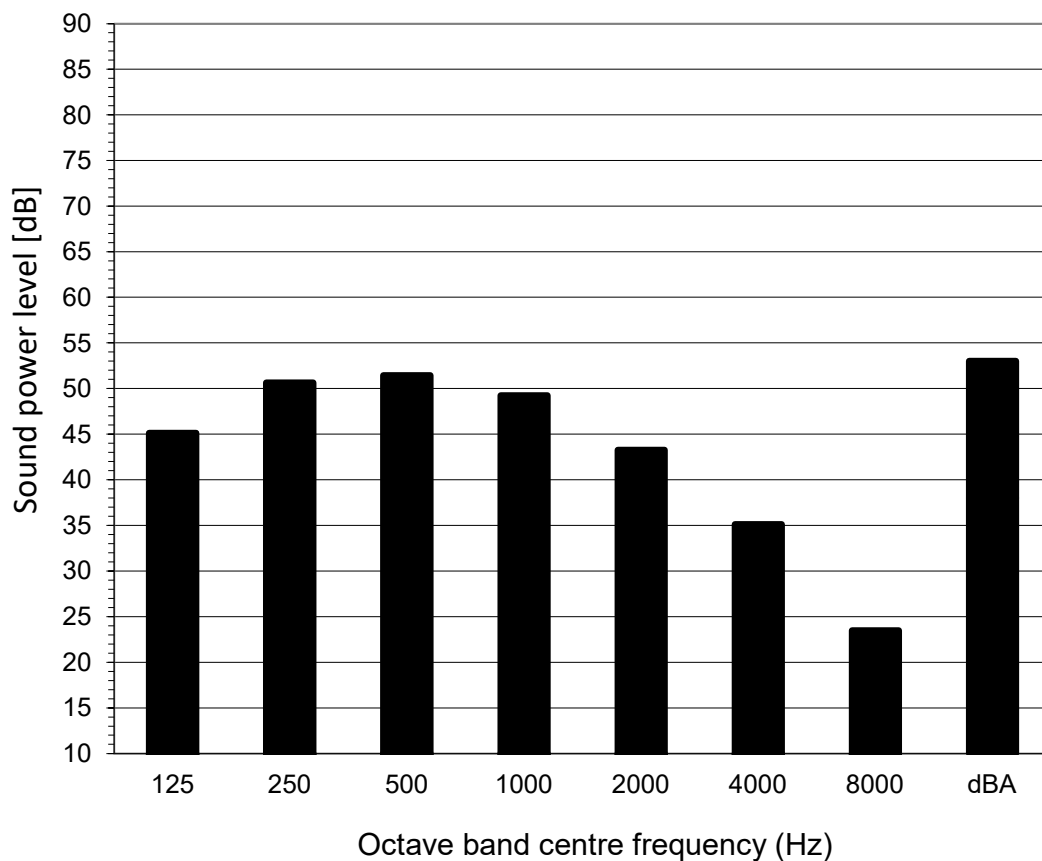
8 Sound data

8 - 1 Sound Power Spectrum

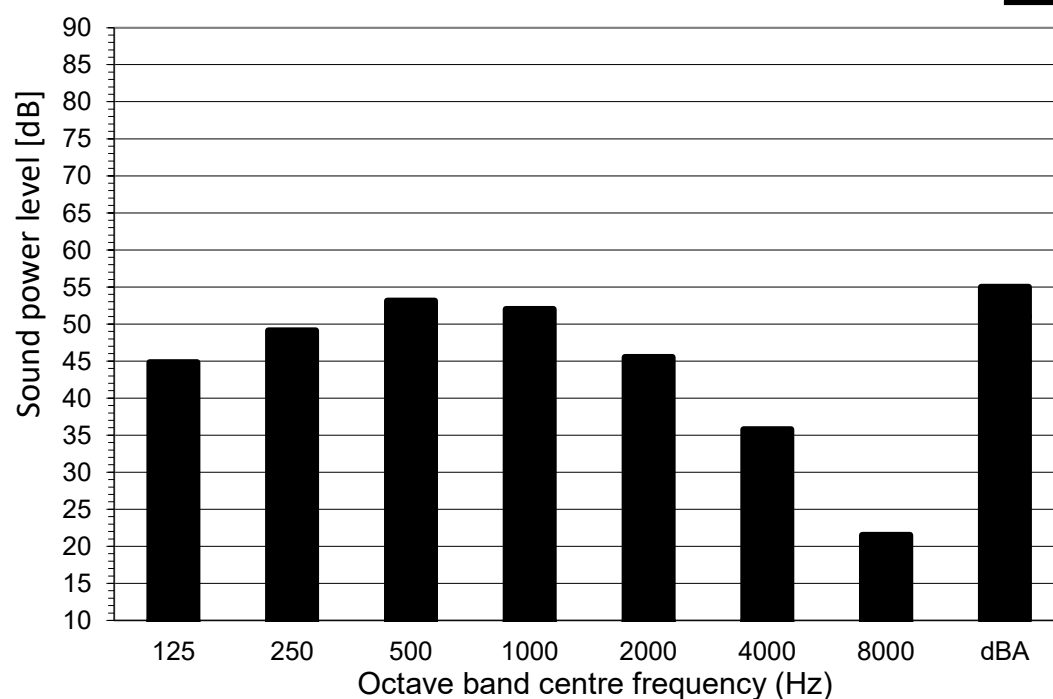
ATXF20F

FTXF20F

Cooling mode



Heating mode

Fan Speed
High


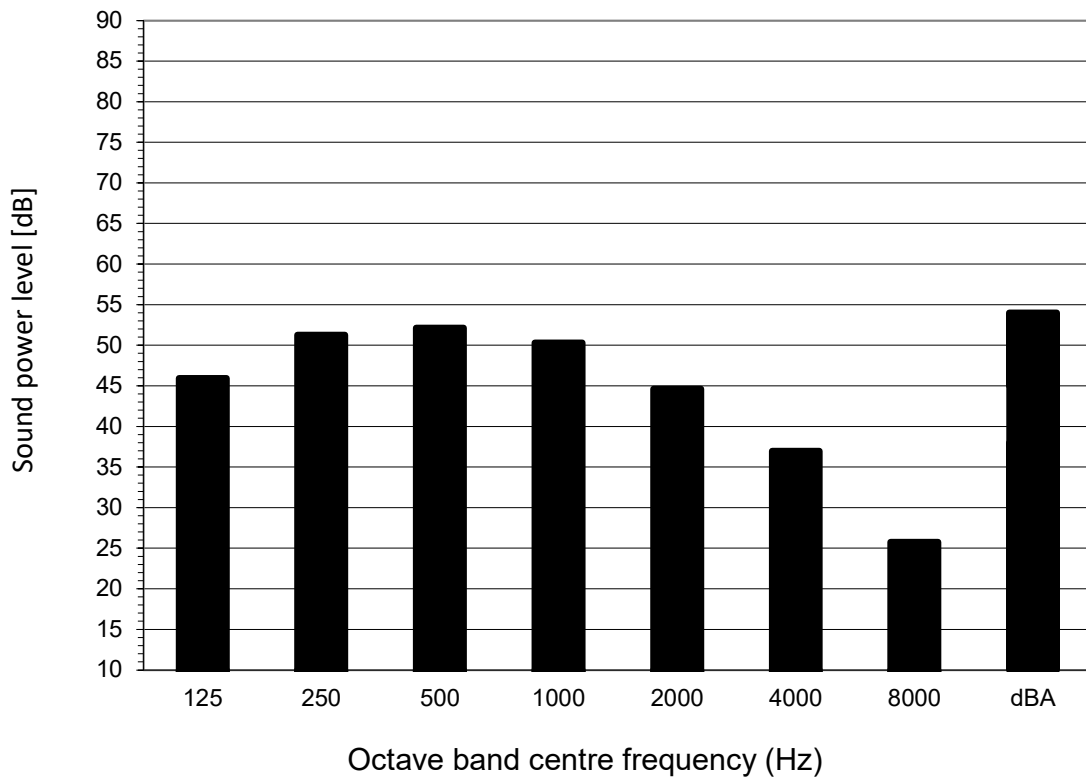
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8 Sound data

8 - 1 Sound Power Spectrum

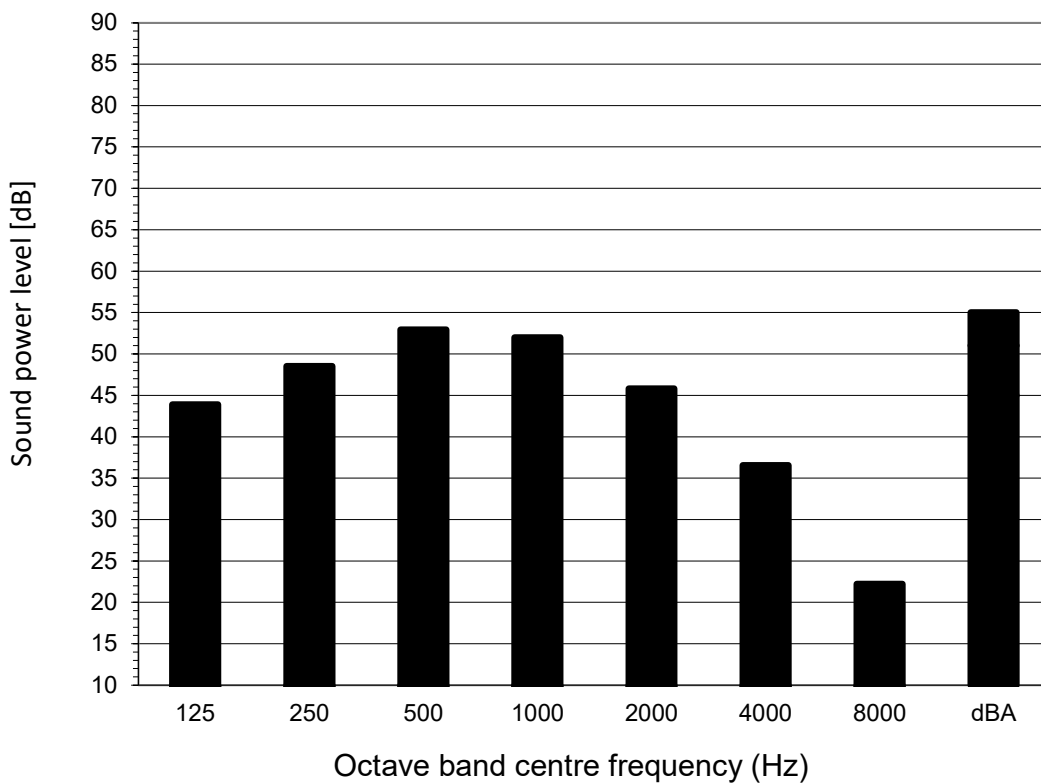
ATXF25F

FTXF25F Cooling mode



Heating mode

Fan Speed
High

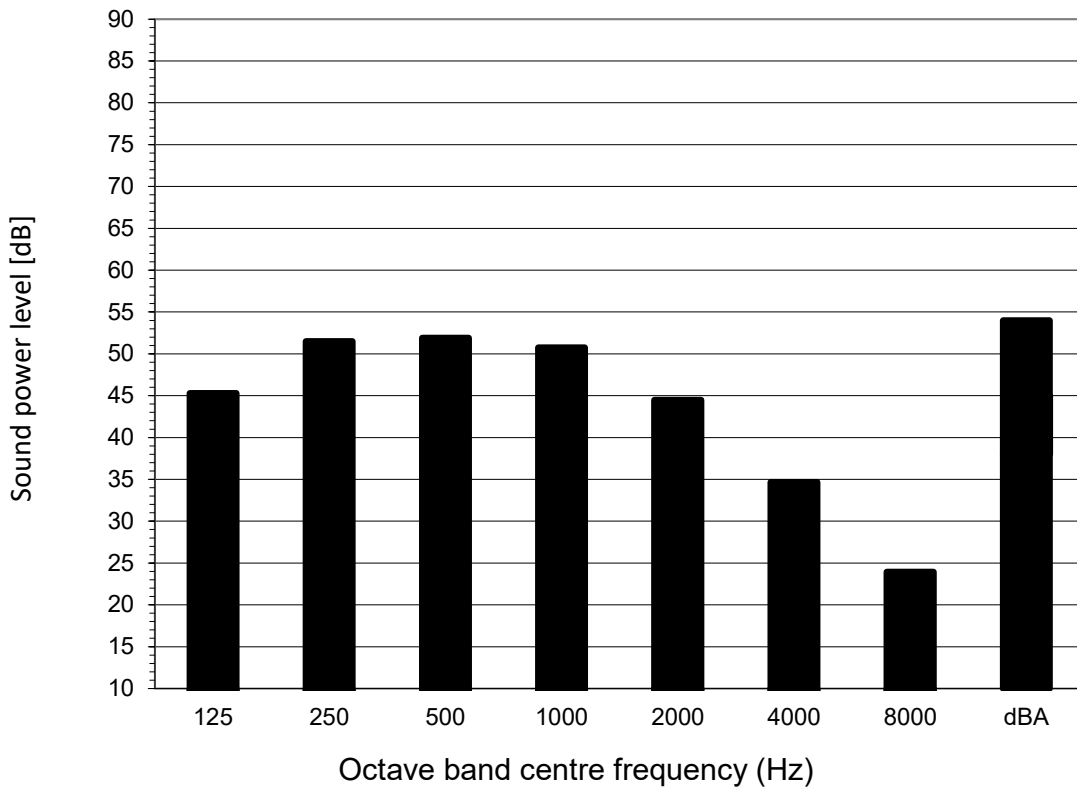


4D131987

8 Sound data

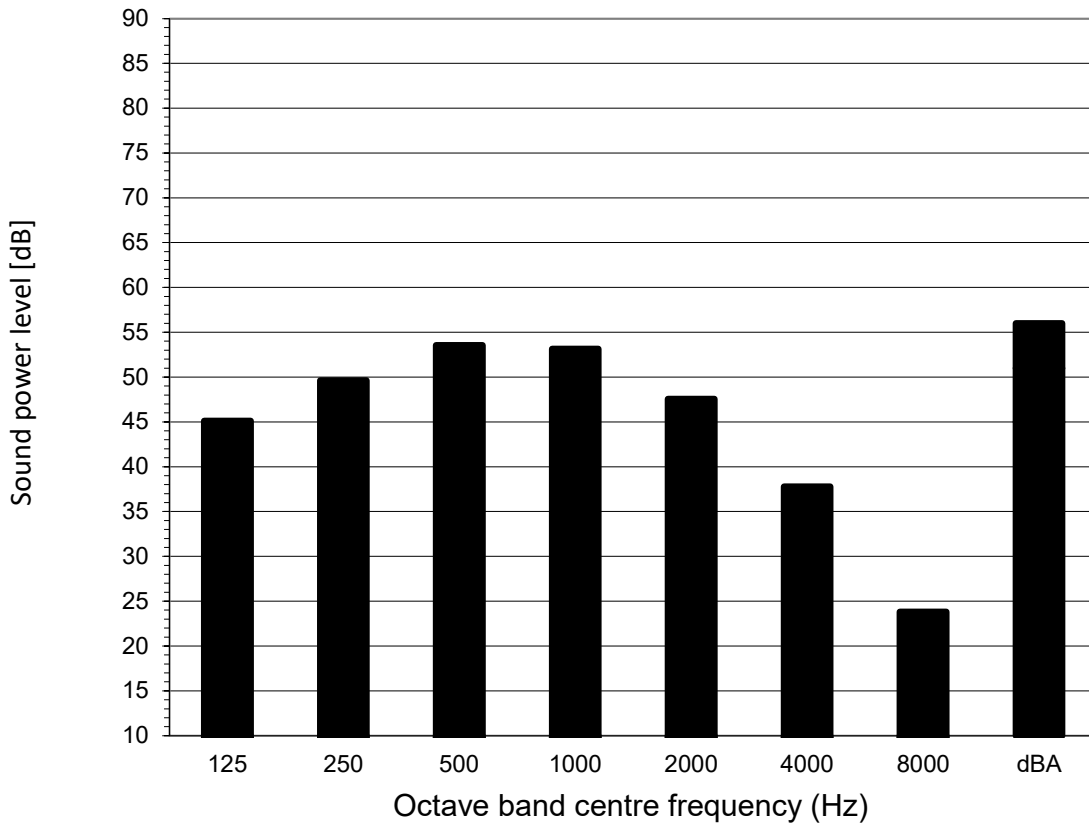
8 - 1 Sound Power Spectrum

ATXF35F ATXF25G
CTXF20-25F FTXF35F Cooling mode



Heating mode

Fan Speed
High



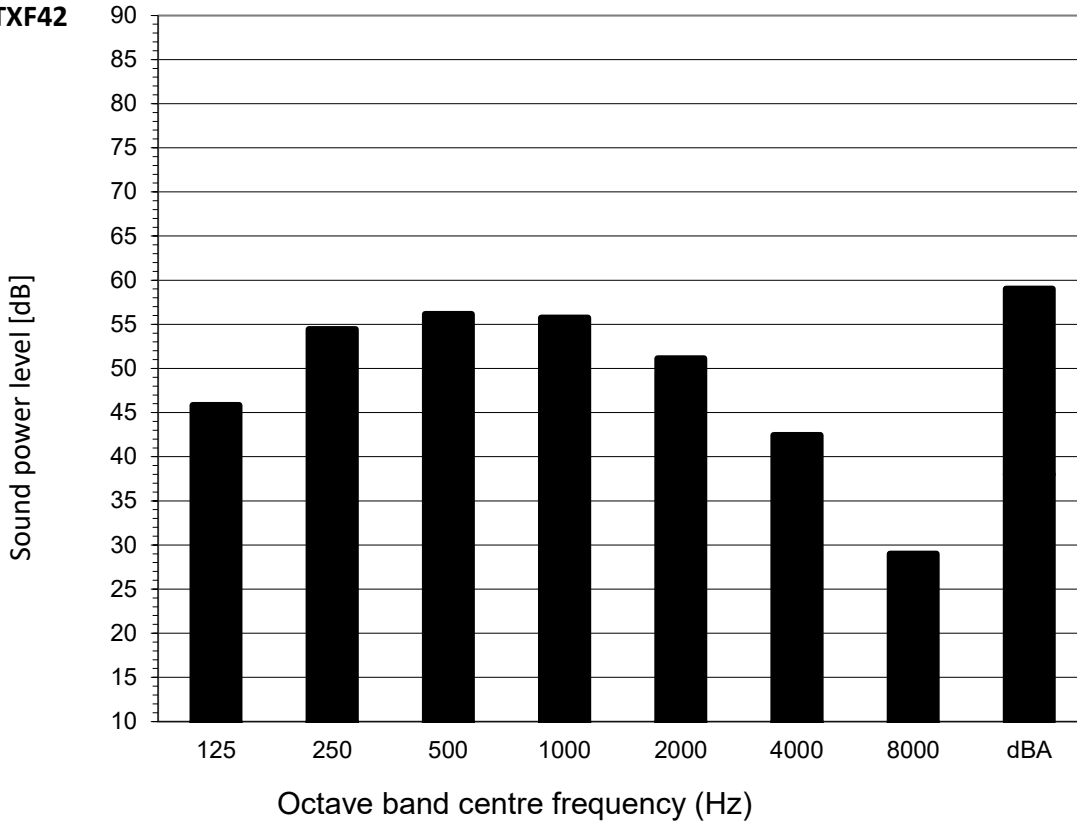
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8 Sound data

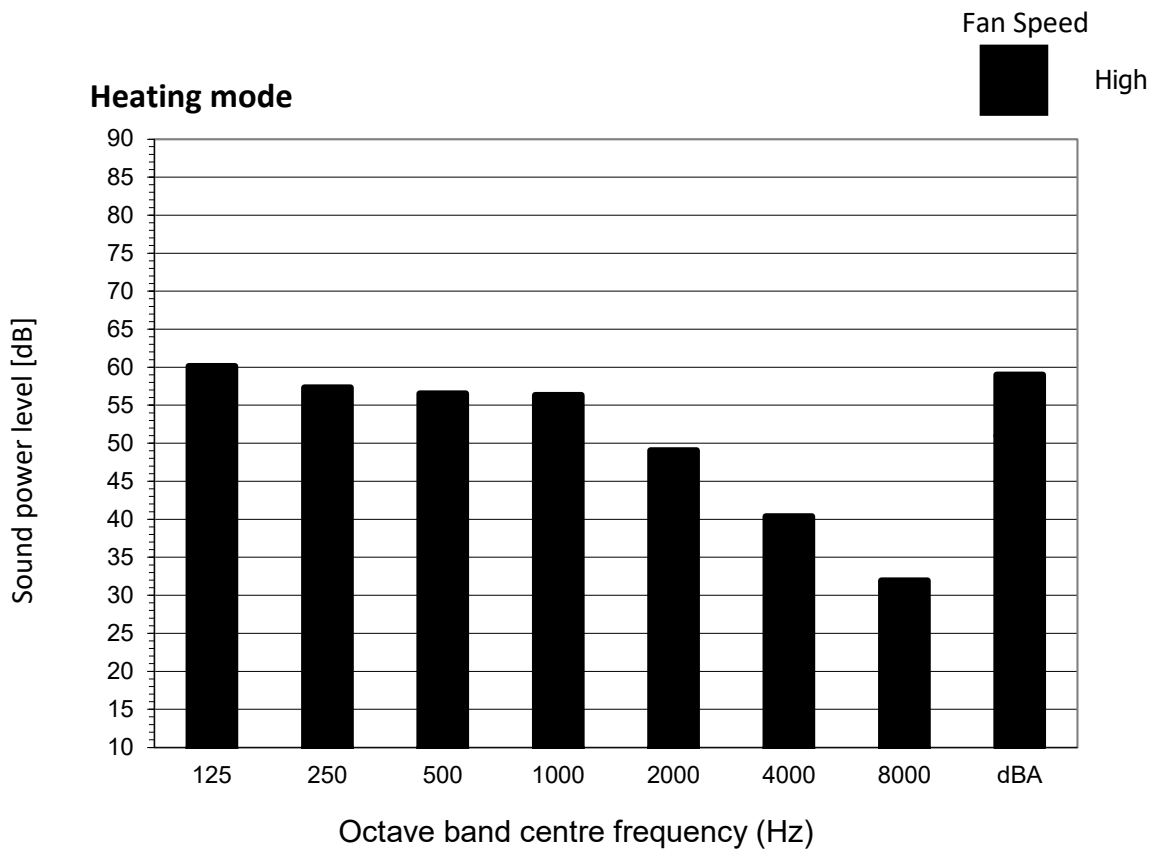
8 - 1 Sound Power Spectrum

ATXF42F
ATXF35G
CTXF35F
FTXF42

Cooling mode



Heating mode



Fan Speed
High

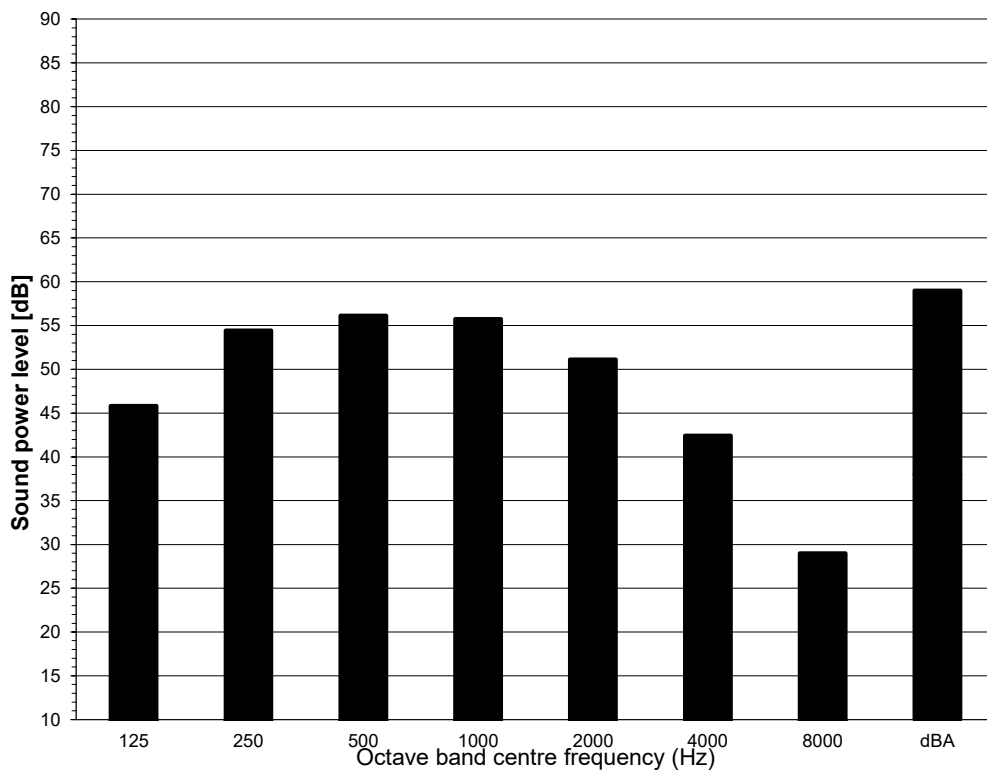
4D131989

8 Sound data

8 - 1 Sound Power Spectrum

FTXF50F

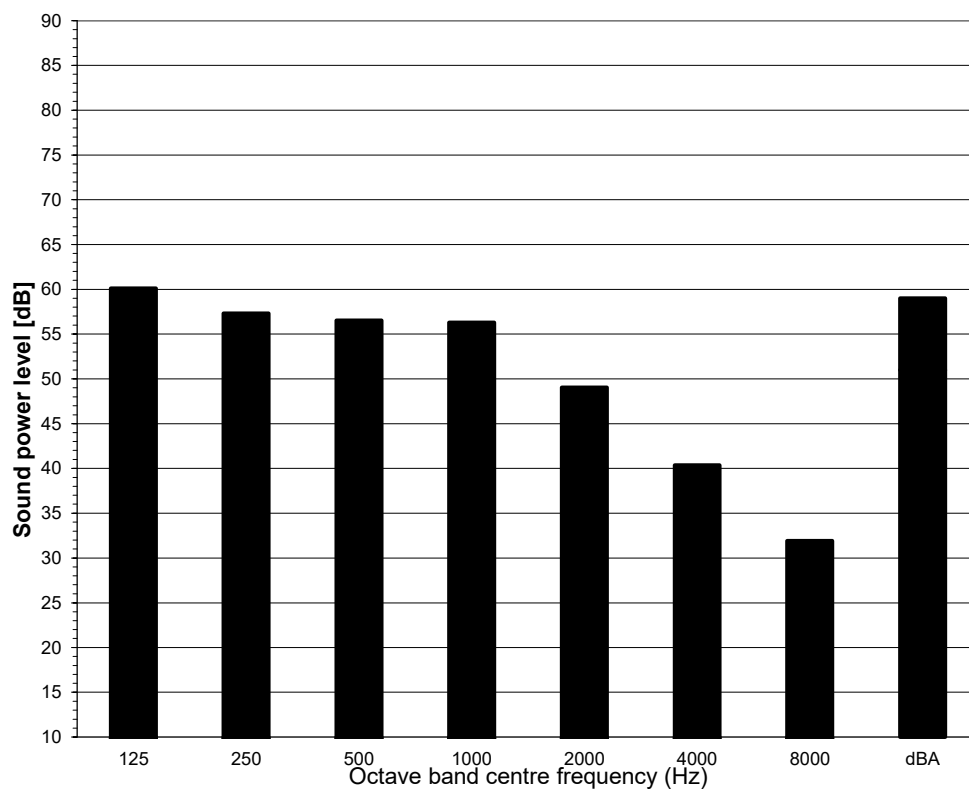
Cooling mode



Fan Speed

High

Heating mode

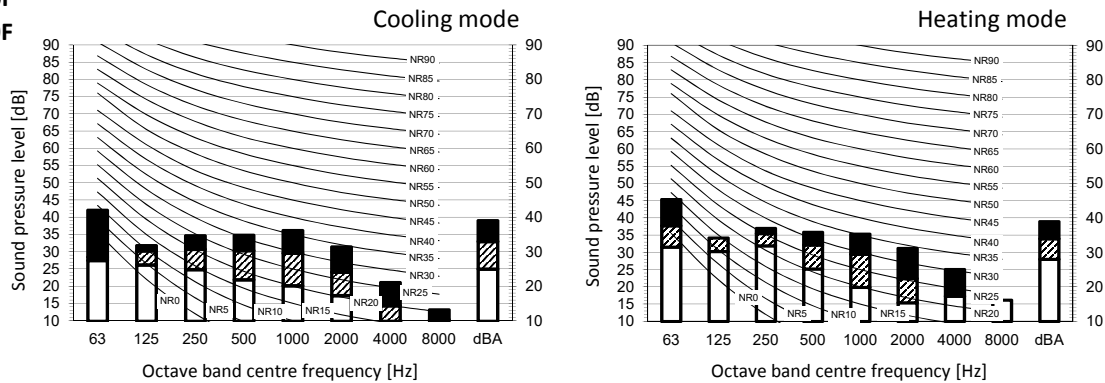


3D153714

8 Sound data

8 - 2 Sound Pressure Spectrum

ATXF20F FTXF20F



Legend

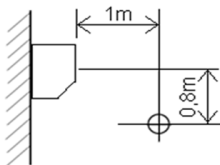
dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	Fan speed
B	High	
C	Medium	
D	Low	

Cooling	Total dB			
A	B	C	D	
dBA	39	33	25	

Heating	Total dB			
A	B	C	D	
dBA	39	34	28	

Location of microphone

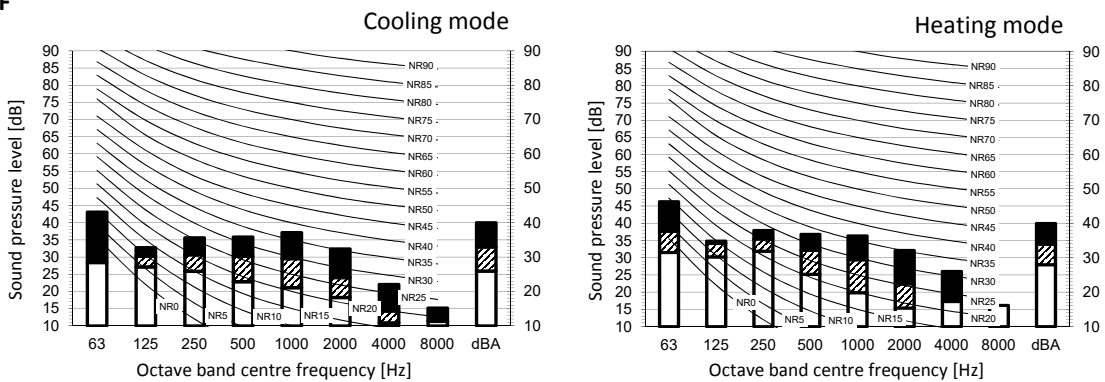


Notes

- 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

3D108789A

ATXF25F FTXF25F



Legend

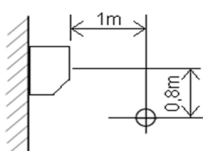
dBA = A-weighted sound pressure level (A scale according to IEC).

A	Scale	Fan speed
B	High	
C	Medium	
D	Low	

Cooling	Total dB			
A	B	C	D	
dBA	40	33	26	

Heating	Total dB			
A	B	C	D	
dBA	40	34	28	

Location of microphone



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

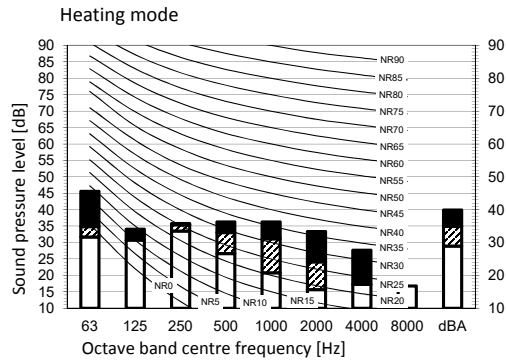
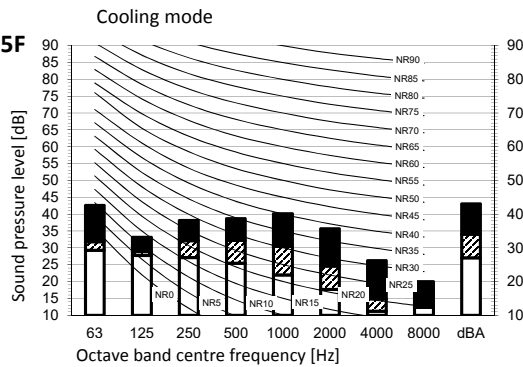
3D108790A

8 Sound data

8 - 2 Sound Pressure Spectrum

8

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

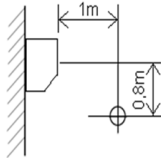
Cooling			
A	B	C	D
dBA	43	34	27

Heating			
A	B	C	D
dBA	40	35	29

Notes

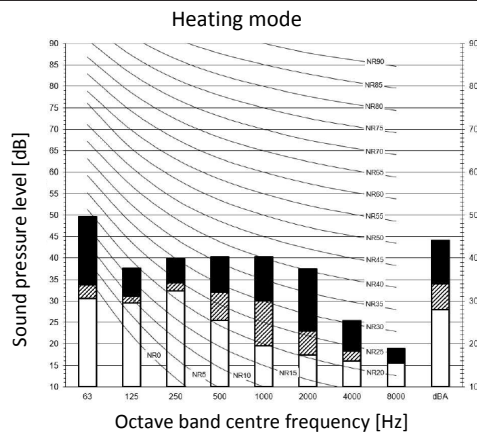
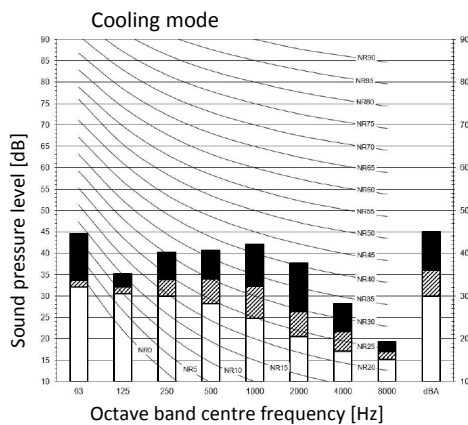
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

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

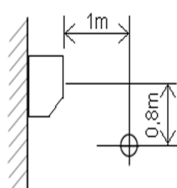
Cooling			
A	B	C	D
dBA	45	36	30

Heating			
A	B	C	D
dBA	44	34	28

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

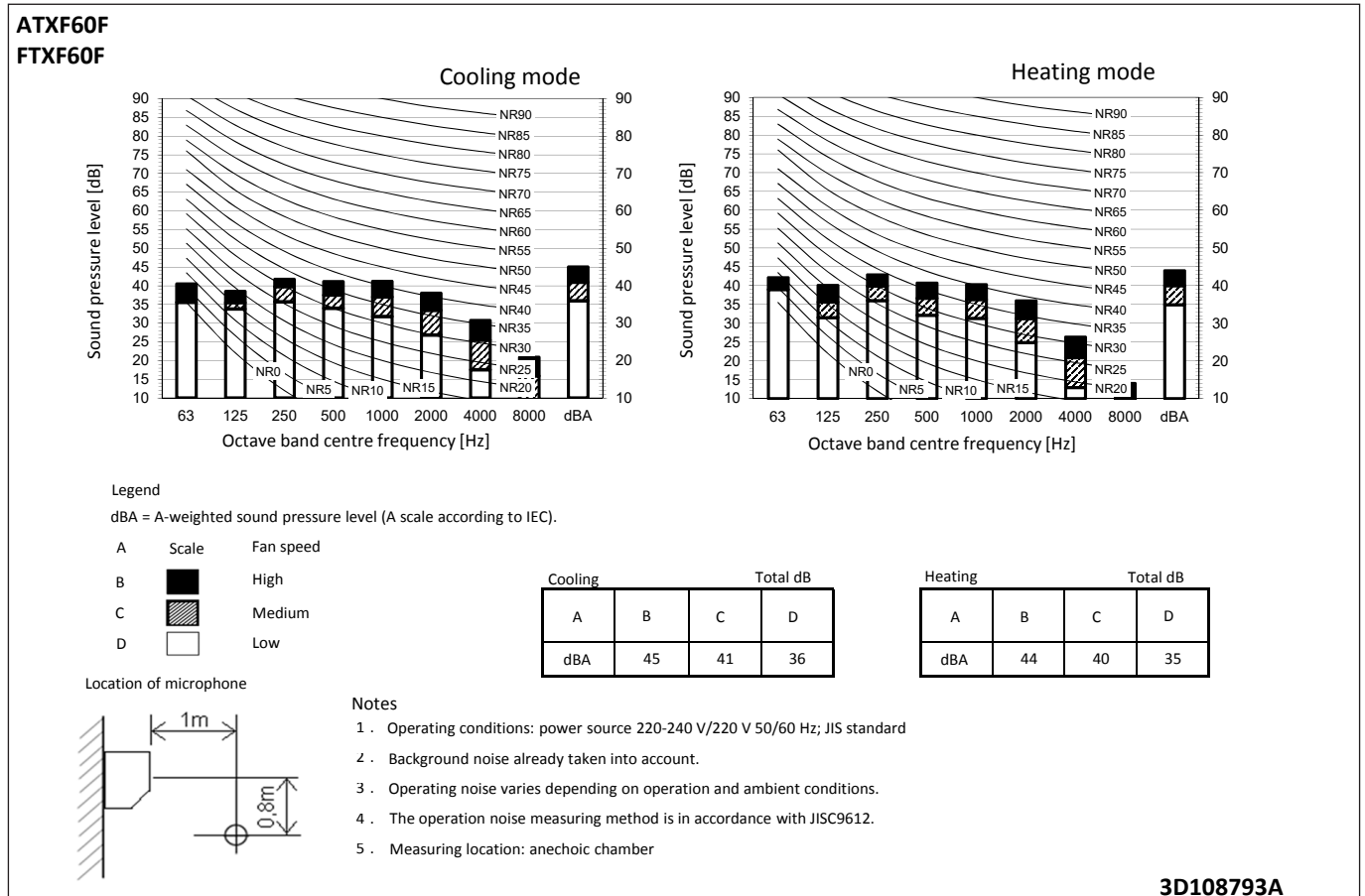
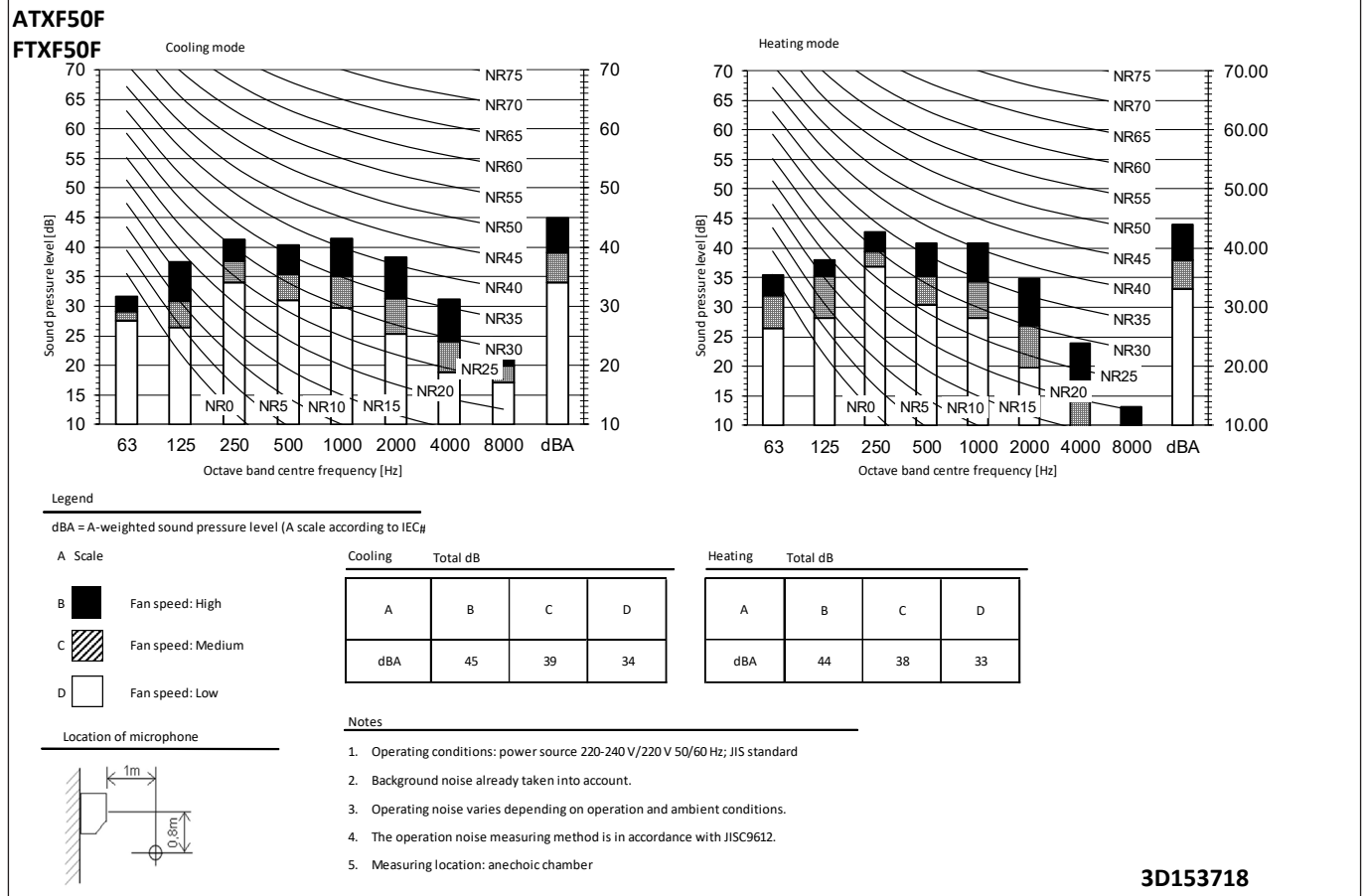
Location of microphone



3D144462

8 Sound data

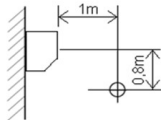
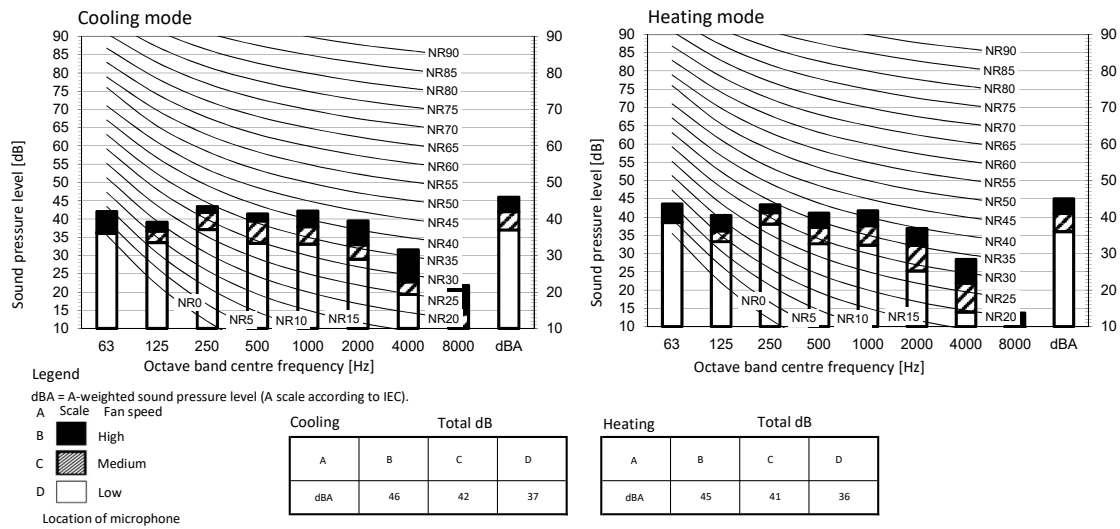
8 - 2 Sound Pressure Spectrum



8 Sound data

8 - 2 Sound Pressure Spectrum

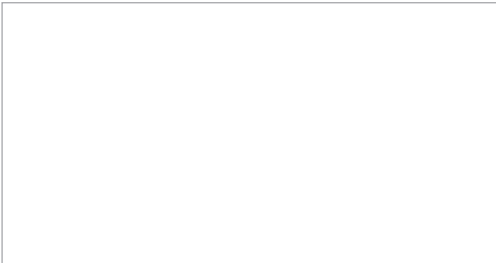
ATXF71F
FTXF71F



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

3D115181



EEDEN25A

04/2025



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