

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			
			Silent operation	m³/min	4.3				4.4		4.9		
				cfm	152				155		173		
		Heating	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			
			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		
		Medium		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				
			Medium	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				
		Medium	dBA	33				34		36			
		Low	dBA	25	26		27		30				
		Silent operation	dBA	20						22			
	Heating	High	dBA	39	40				44				
		Medium	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)	
	Length			mm	600		810
Heat exchanger 2	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	m ³ /min	12.6		17.3
				cfm	450		610
			Medium	m ³ /min	9		14.8
				cfm	328		522
		Low	m ³ /min	7.2			12.2
				cfm	255		430
			Silent operation	m ³ /min	6.4		10.7
				cfm	225		377
Fan	Air flow rate	Cooling	High	m ³ /min	12.8		17.9
				cfm	452		632
			Medium	m ³ /min	9.6		15.8
				cfm	339		557
		Low	m ³ /min	7.2			12.8
				cfm	254		452
			Silent operation	m ³ /min	6.4		11.3
				cfm	227		399
Fan motor	Model				DFD03C1VB		MM9E17S21VA
	Speed	Steps				5 + silent, + auto	
		Cooling	High	rpm	1,250		1,070
			Medium	rpm	1,030		940
			Low	rpm	850		810
			Silent operation	rpm	760		730
		Heating	High	rpm	1,250		1,100
			Medium	rpm	1,060		990
			Low	rpm	860		840
			Silent operation	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

Options

3 - 1 Options

ATXF20-50F
ATXF25-35G
CTXF20-35F
FTXF20-50F
3

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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.

4D153957B

3 Options

3 - 1 Options

ATXF60-71F
FTXF60-71F

3

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTXP20LSV1B	20	BMS-R32	DTAS
Wired remote control	BRC944B2		FTXP25LSV1B	25	BMS-R32	DTAS
Extension cord for wired remote control (3m)	BRCW901A03		FTXP35LSV1B	35	BMS-R32	DTAS
Extension cord for wired remote control (5m)	BRCW901A08		FTXP20LSV1B	20	BMS-R32	DTAS
Interface adaptor for wired remote control	KRP980B1		ATXP25LSV1B	25	BMS-R32	DTAS
Interface adaptor for wired remote control	KRP067A41		ATXP35LSV1B	35	BMS-R32	DTAS
Interface adaptor for wired remote control	EKRP980B2		FTXF20ASV1B	20	BMS-R32	DTAS
Centralised control board (up to 5 rooms)	KRC72A		FTXF25ASV1B	25	BMS-R32	DTAS
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		FTXF35ASV1B	35	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B41	④⑤	FTXF20BSV1B	20	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B42	⑤	ATXF20ASV1B	20	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B43	⑤	ATXF25ASV1B	25	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069A44	⑥	ATXF35ASV1B	35	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B45	⑤	FTXP20MSV1B	20	BMS-R32	DTAS
Interface adaptor for DIII-NET	KRP928BB2S		FTXP25MSV1B	25	BMS-R32	DTAS
Central remote control	DCS302CA51		FTXP35MSV1B	35	BMS-R32	DTAS
Unified ON/OFF controller	DCS301BA51		ATXF50A2V1B	50	BML	DiCz
Schedule timer	DST301BA51		ATXF60A2V1B	60	BML	DiCz
Titanium apatite deodorising filter without frame	KAF971A42	①	ATXF71A2V1B	71	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					
Optional remote control BRC480A54 for heating-only indoor units	BRC54A	⑦				

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

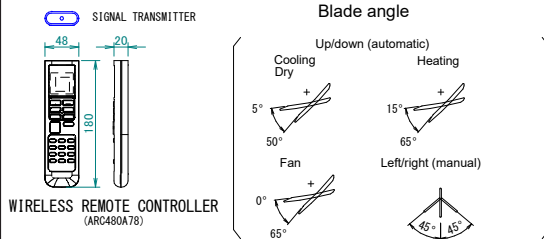
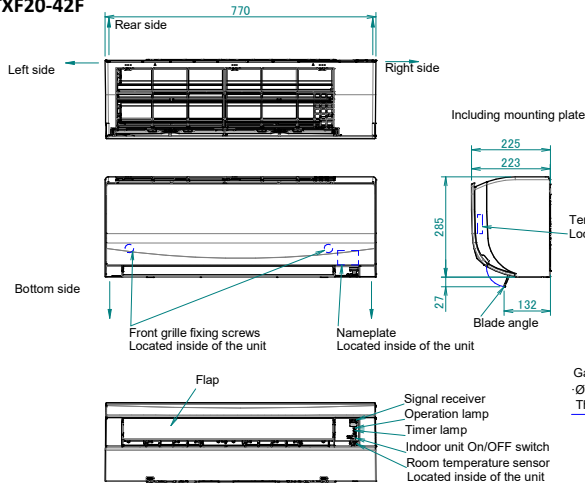
3D095173U

4 Dimensional drawings

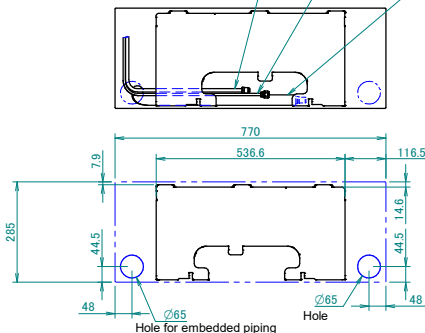
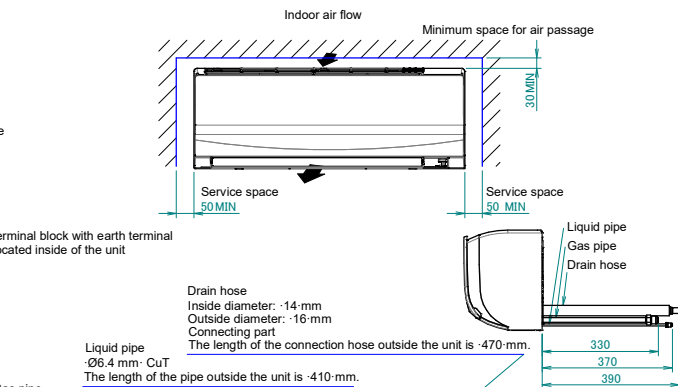
4 - 1 Dimensional Drawings

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

The · — · mark shows the piping direction.



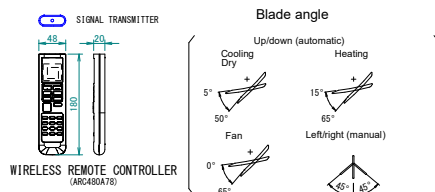
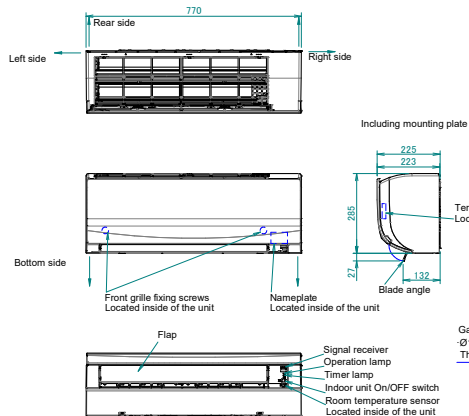
Required space for service and ventilation



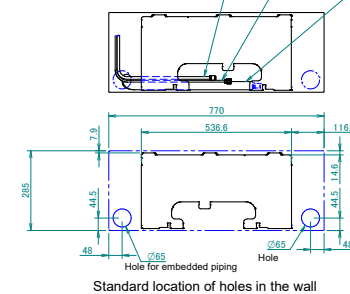
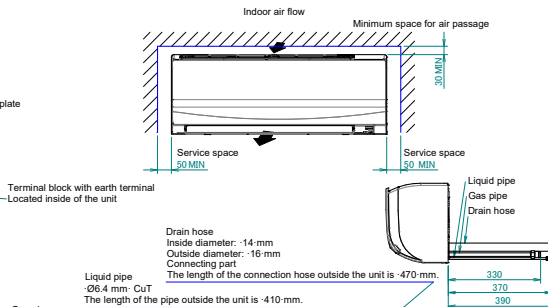
3D153219

ATXF50F
FTXF50F

The · — · mark shows the piping direction.



Required space for service and ventilation

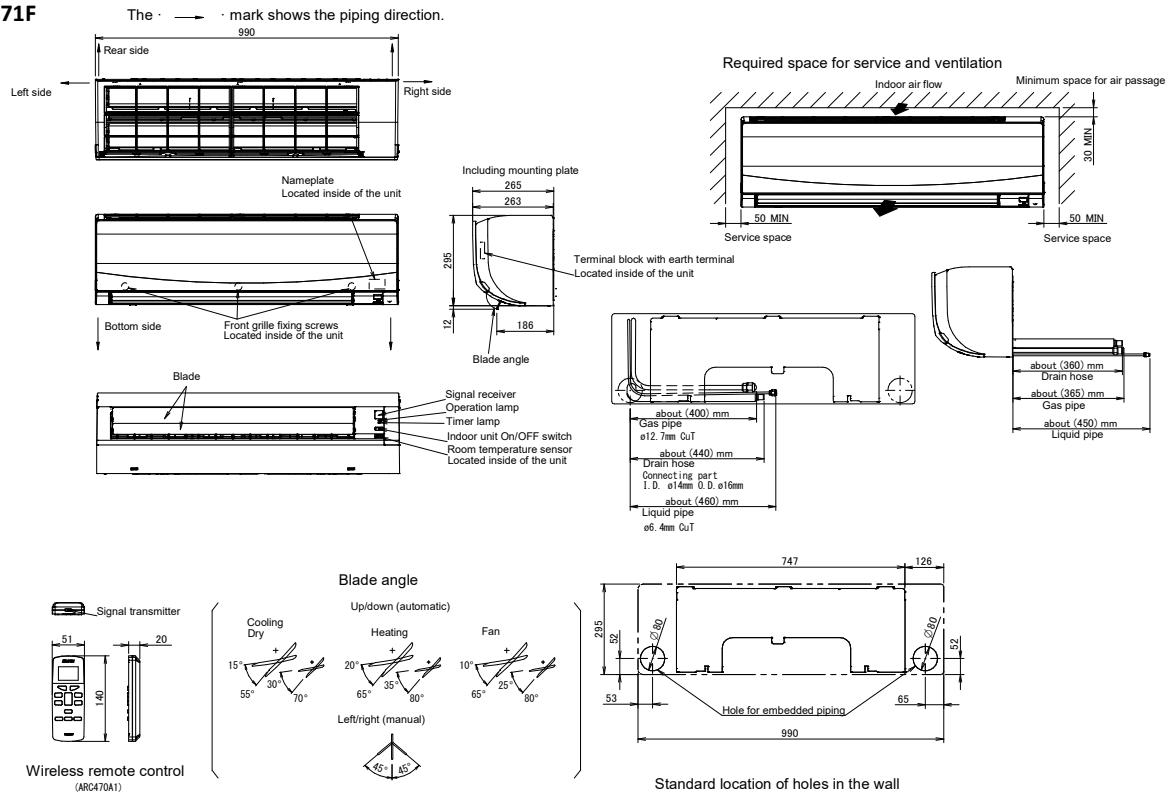


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4 Dimensional drawings

4 - 1 Dimensional Drawings

ATXF60-71F FTXF60-71F

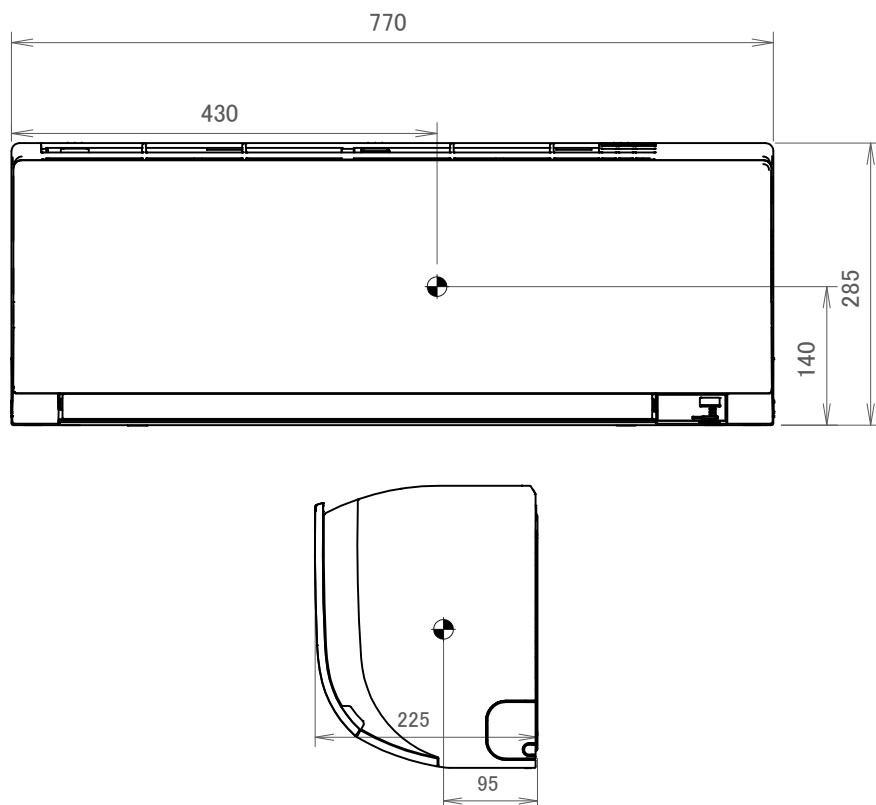


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5 Centre of gravity

5 - 1 Centre of Gravity

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



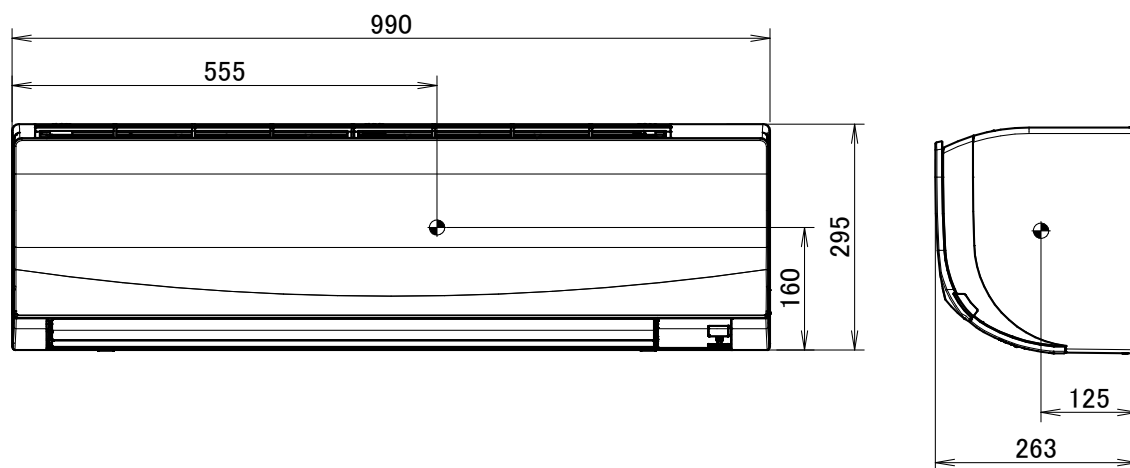
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5 Centre of gravity

5 - 1 Centre of Gravity

ATXF60-71F

FTXF60-71F



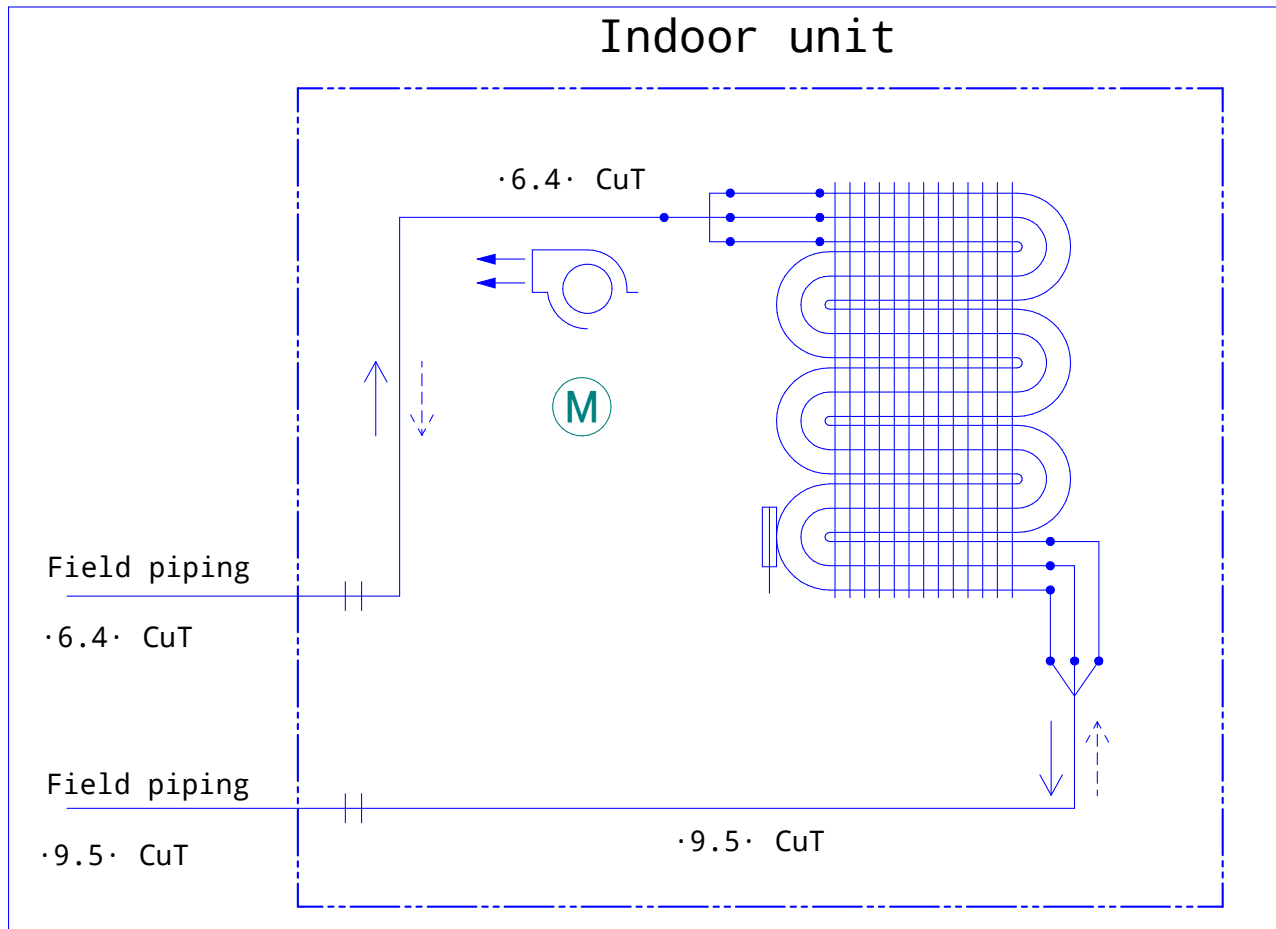
4D113531

6 Piping diagrams

6 - 1 Piping Diagrams

6

ATXF35F ATXF25G
CTXF20-25F FTXF35F



Refrigerant flow

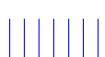
→ Cooling

---→ Heating

 Crossflow fan

 Fan motor

 Thermistor (heat exchanger)

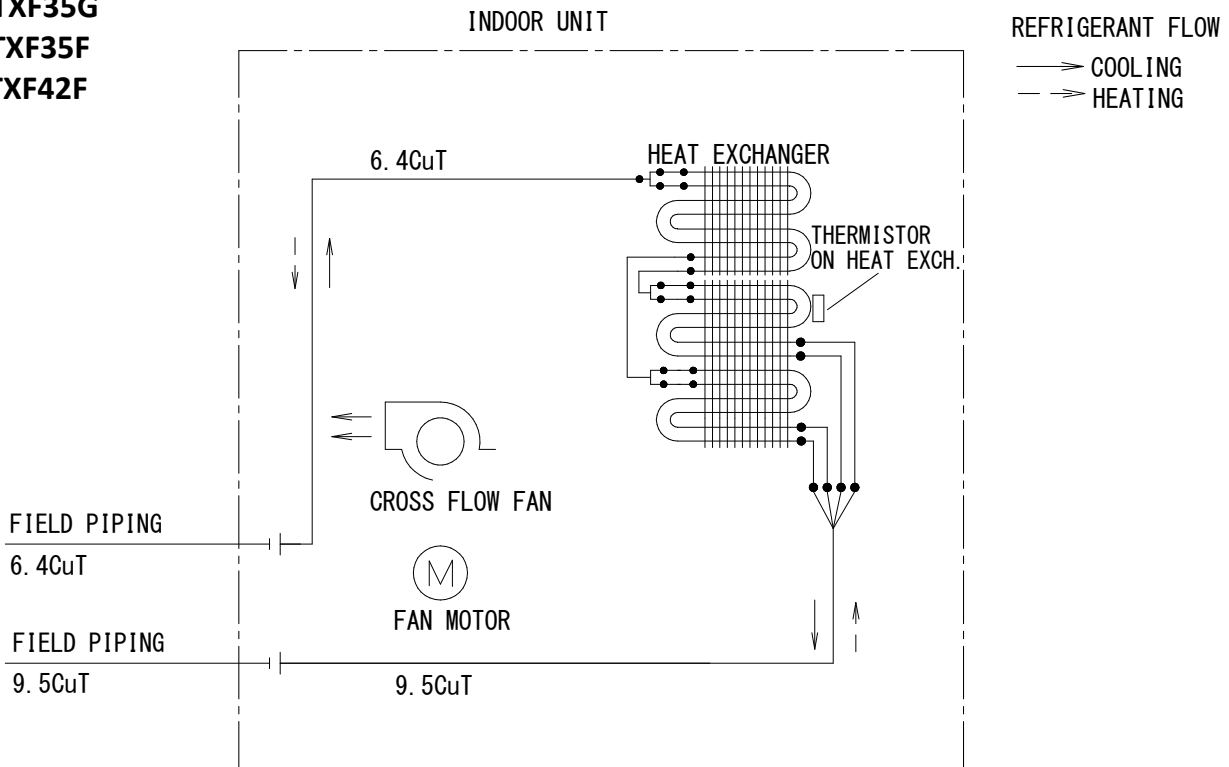
 Heat exchanger

4D139891

6 Piping diagrams

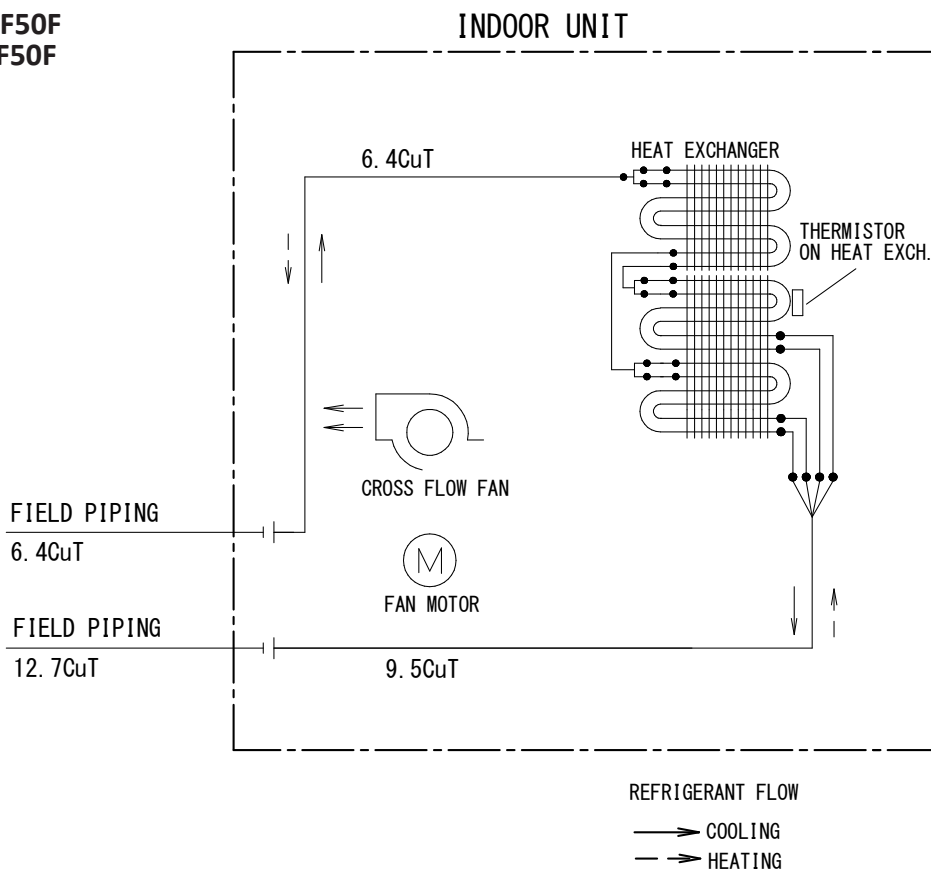
6 - 1 Piping Diagrams

ATXF42F
ATXF35G
CTXF35F
FTXF42F



3D130682

ATXF50F
FTXF50F



3D153080

6 Piping diagrams

6 - 1 Piping Diagrams

ATXF60-71F

FTXF60-71F

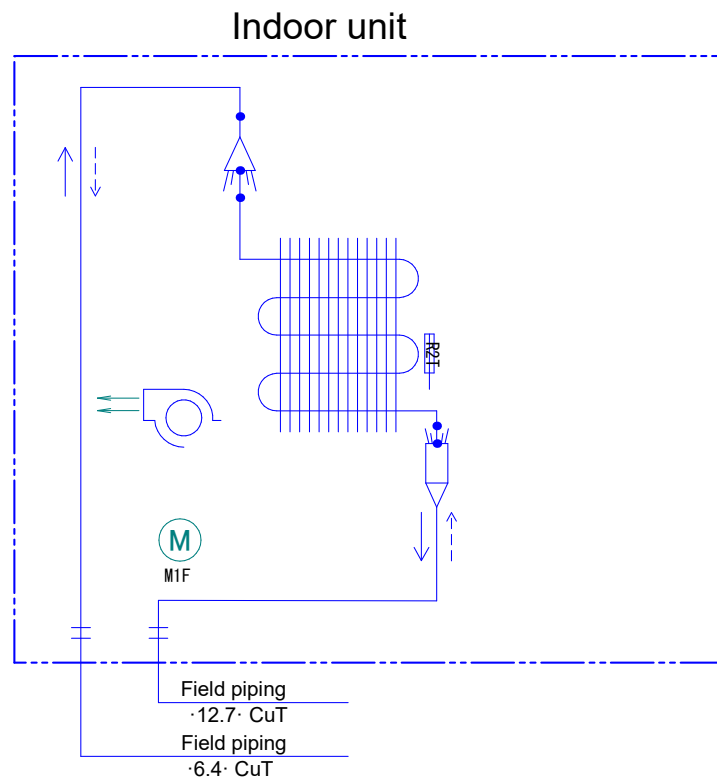
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Legend

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

Refrigerant flow

-  Cooling
-  Heating



4D101332E

7 Wiring diagrams

7 - 1 Wiring Diagrams - Three Phase

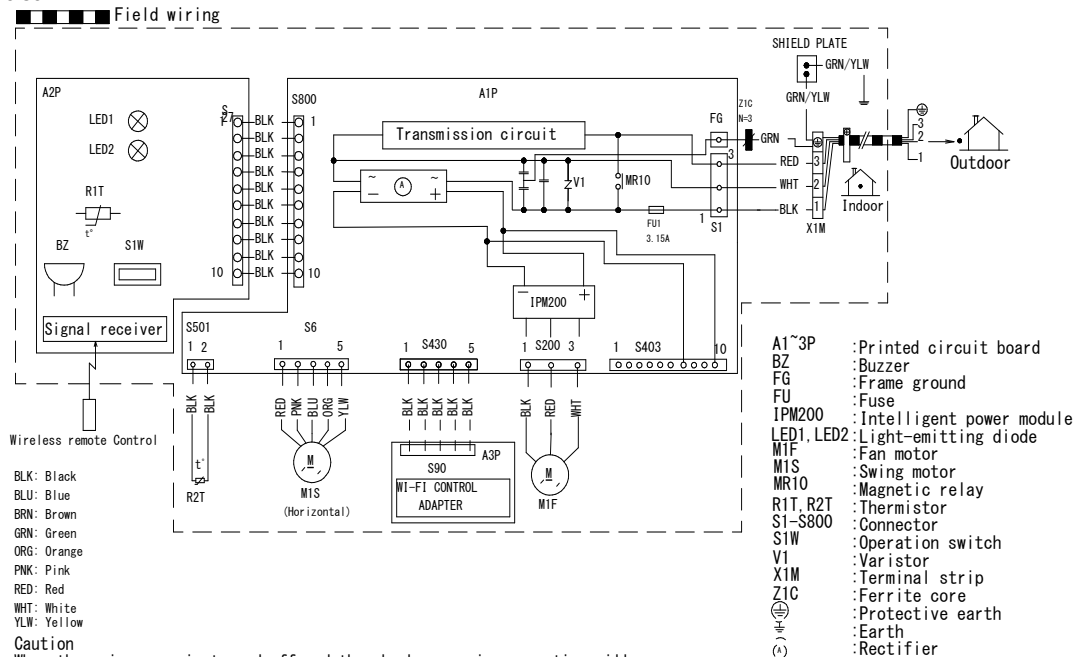
ATXF20-42F

ATXF25-35G

CTXF20-35F

FTXF20-50F

Wiring diagram

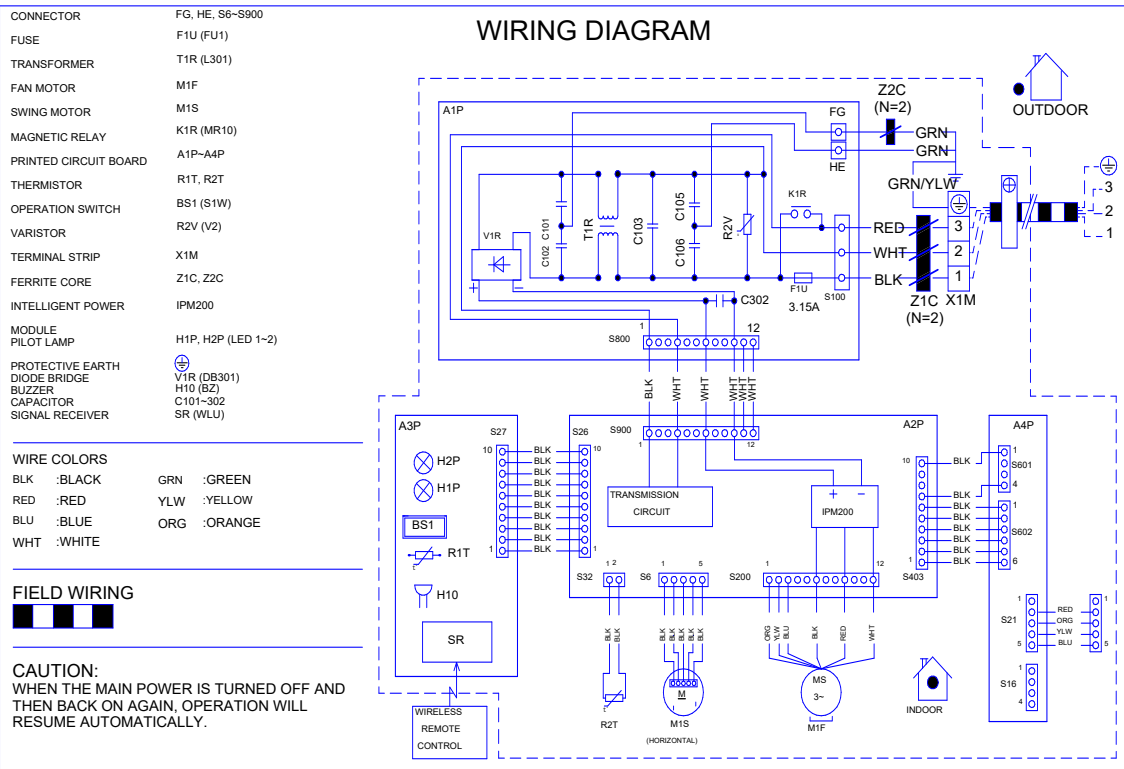


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ATXF60-71F

FTXF60-71F

WIRING DIAGRAM



3D154350

8 Sound data

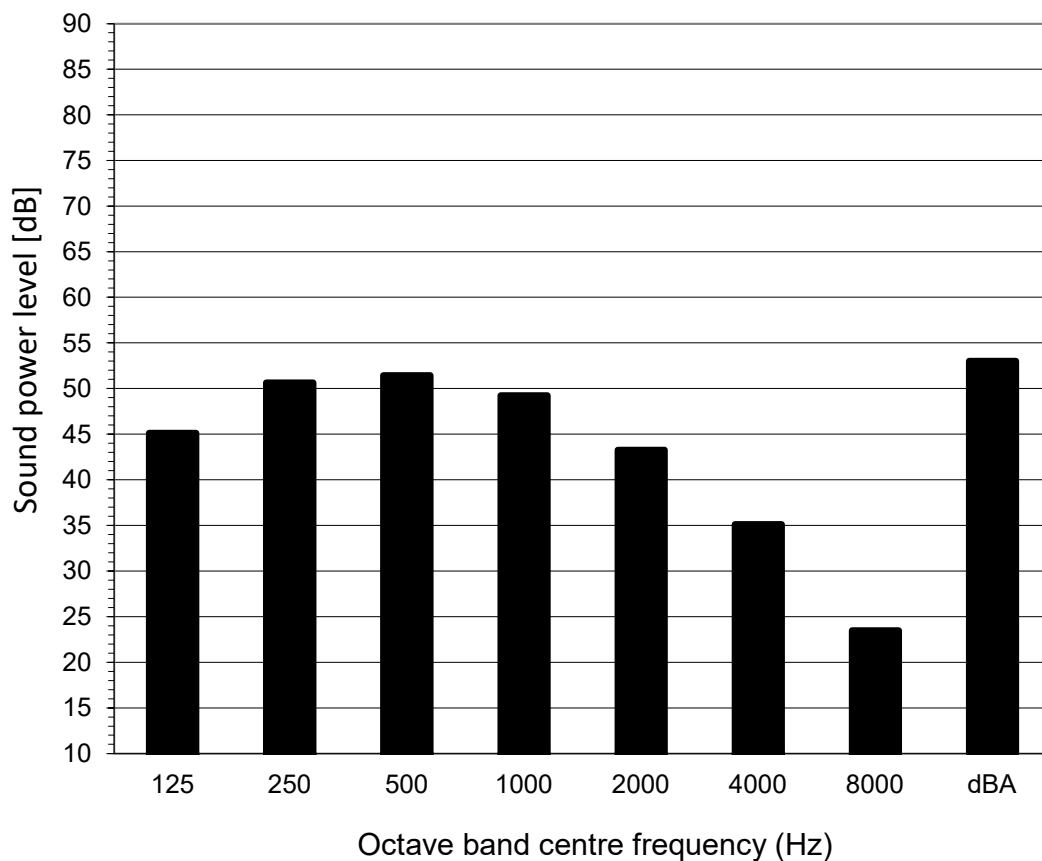
8 - 1 Sound Power Spectrum

8

ATXF20F

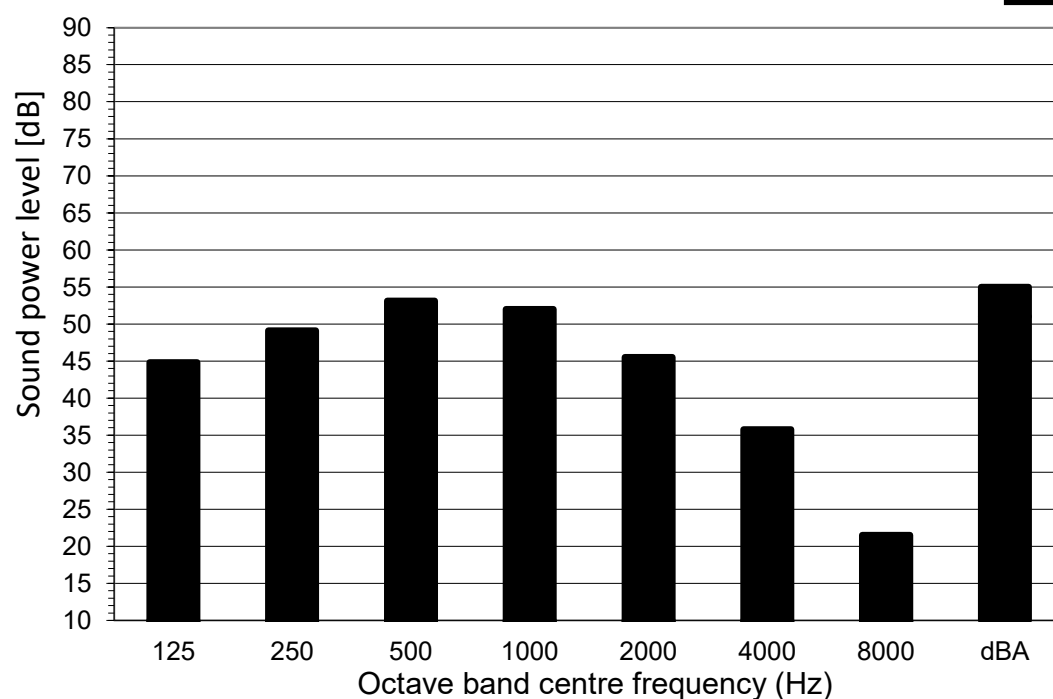
FTXF20F

Cooling mode



Heating mode

Fan Speed
 High



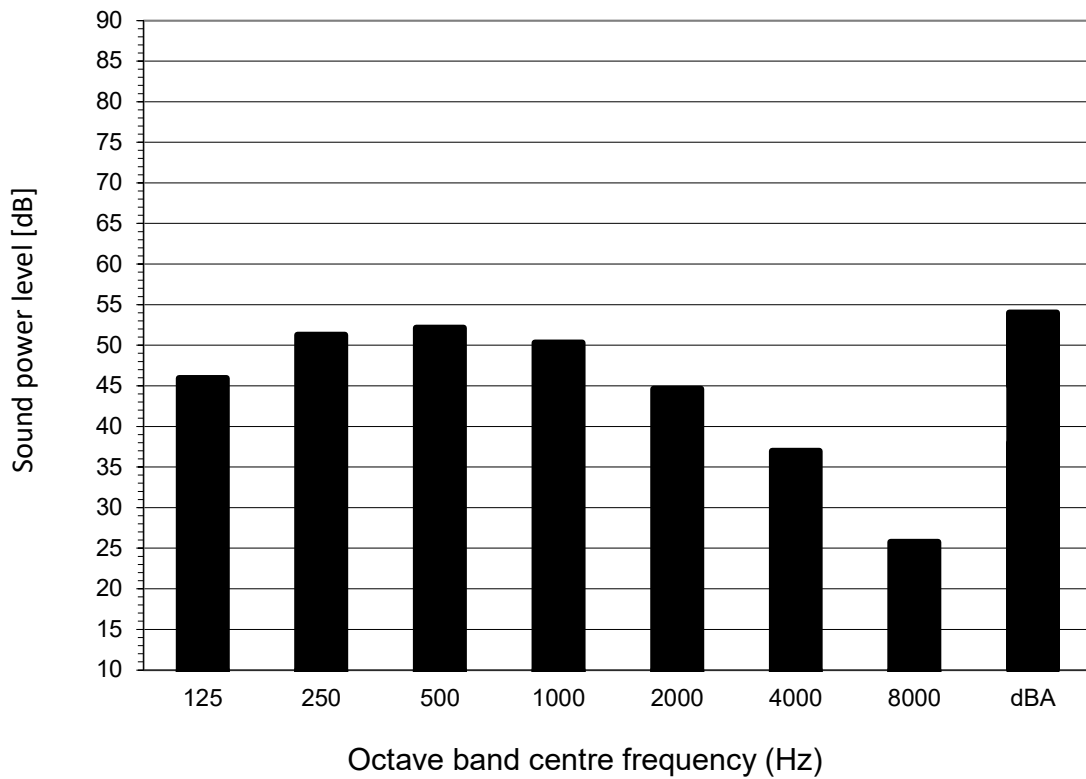
4D131985

8 Sound data

8 - 1 Sound Power Spectrum

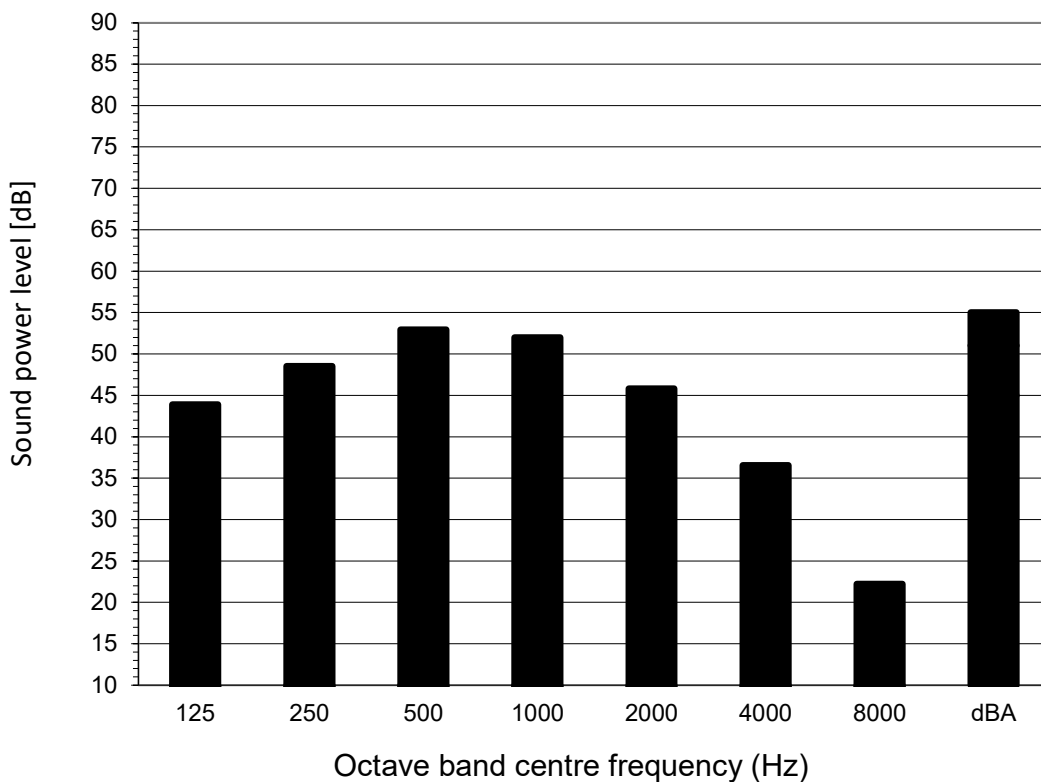
ATXF25F

FTXF25F Cooling mode



Heating mode

Fan Speed
High

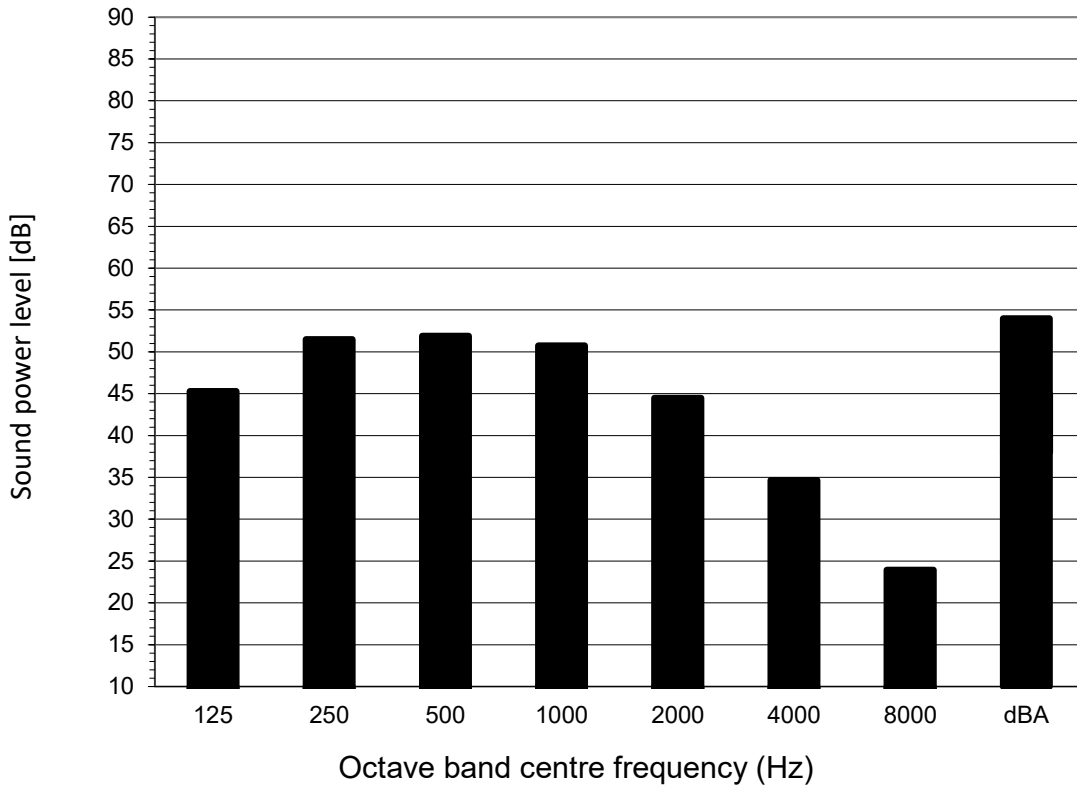


4D131987

8 Sound data

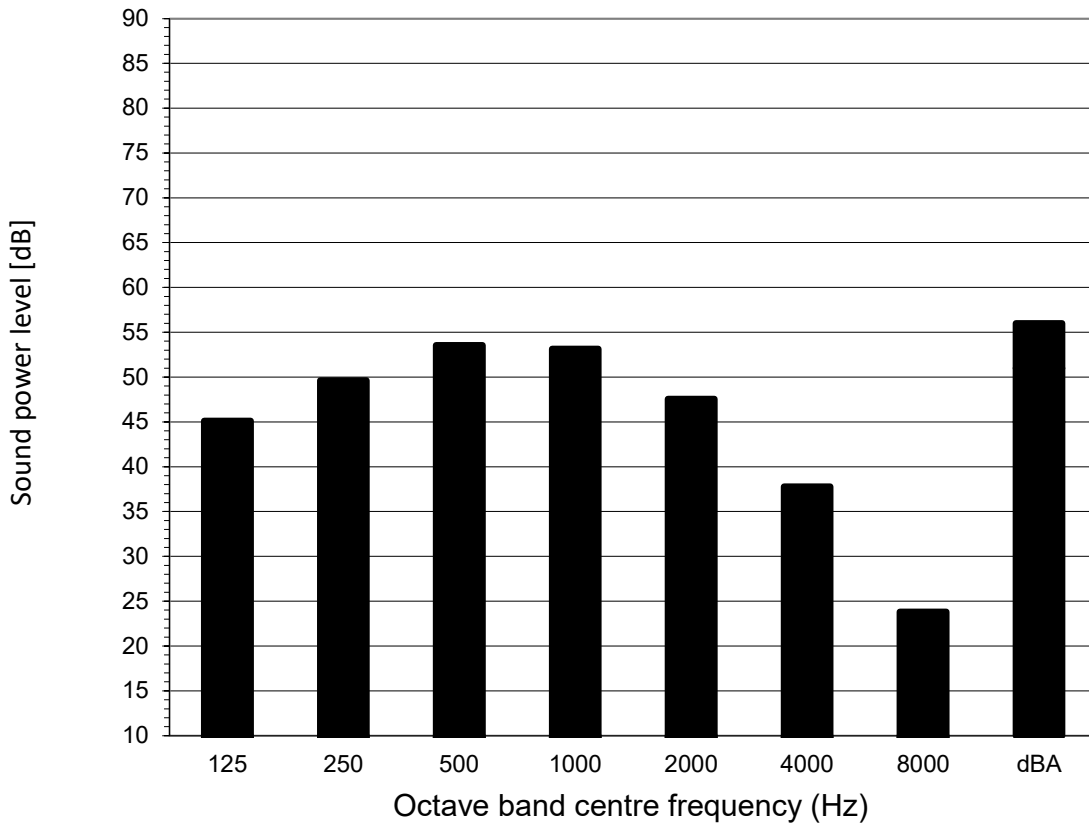
8 - 1 Sound Power Spectrum

ATXF35F ATXF25G
CTXF20-25F FTXF35F Cooling mode



Heating mode

Fan Speed
High



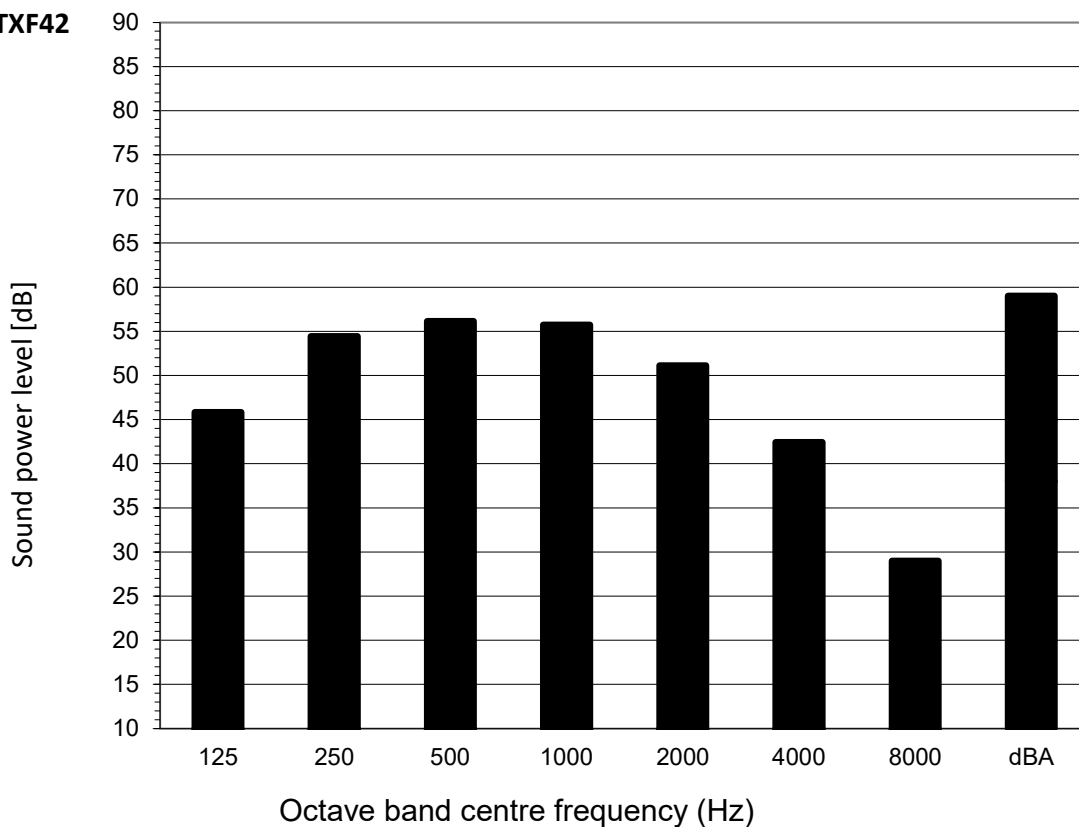
4D131988

8 Sound data

8 - 1 Sound Power Spectrum

ATXF42F
ATXF35G
CTXF35F
FTXF42

Cooling mode

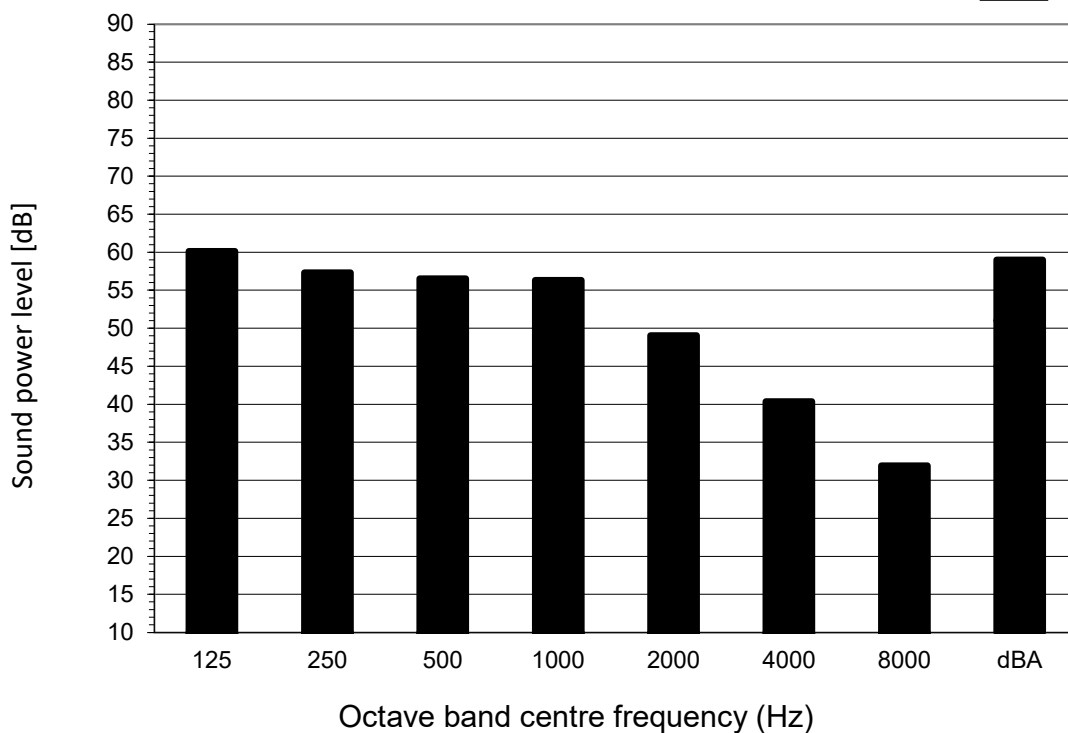


Fan Speed



High

Heating mode



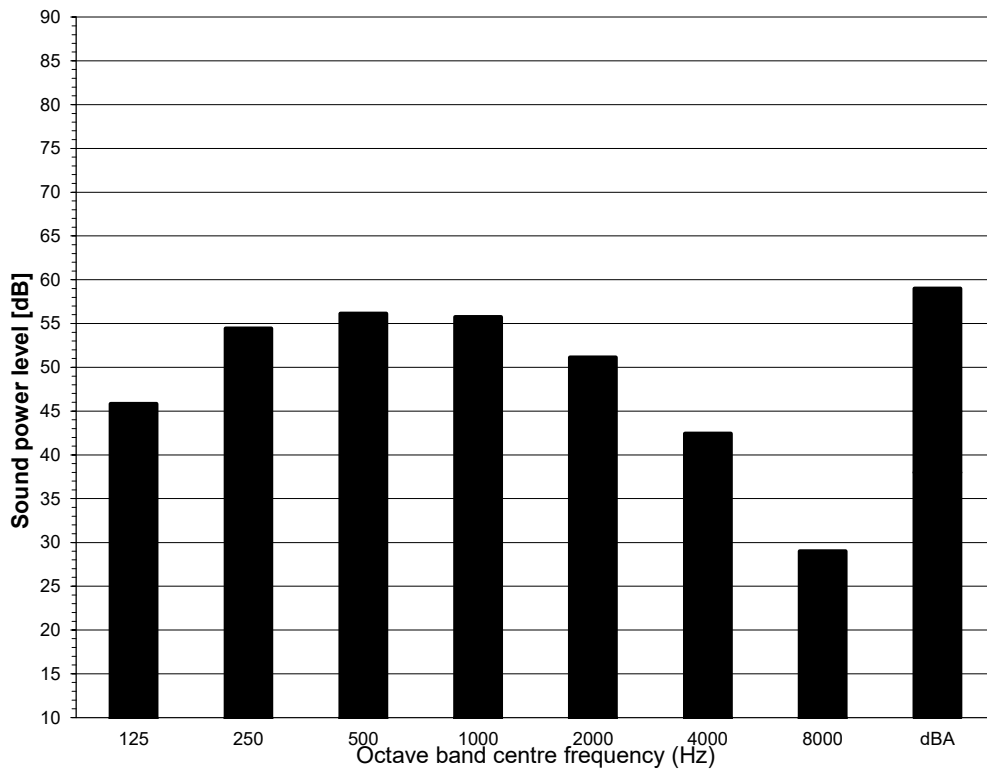
4D131989

8 Sound data

8 - 1 Sound Power Spectrum

FTXF50F

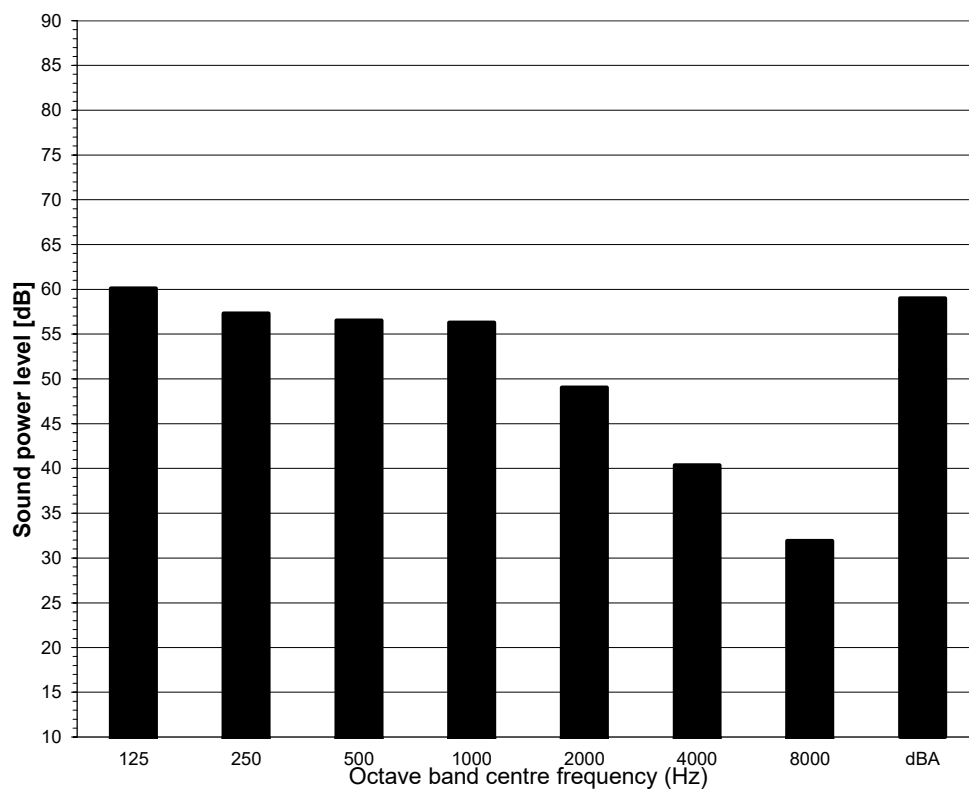
Cooling mode



Fan Speed

High

Heating mode

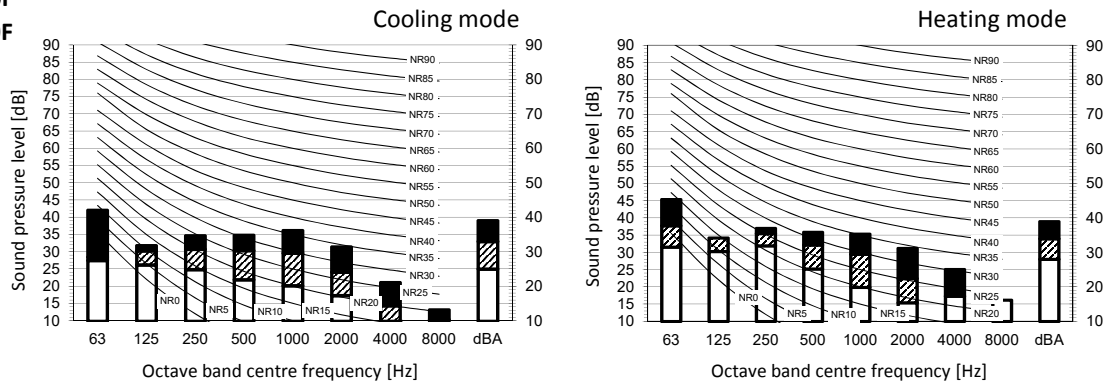


3D153714

8 Sound data

8 - 2 Sound Pressure Spectrum

ATXF20F FTXF20F



Legend

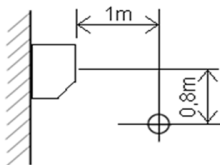
dBA = A-weighted sound pressure level (A scale according to IEC).

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

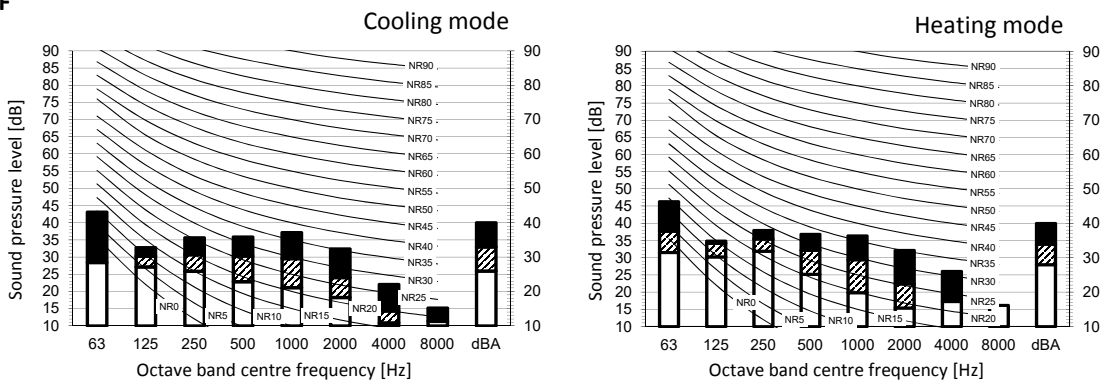


Notes

- 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

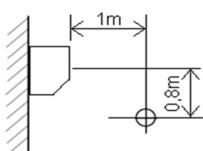
dBA = A-weighted sound pressure level (A scale according to IEC).

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

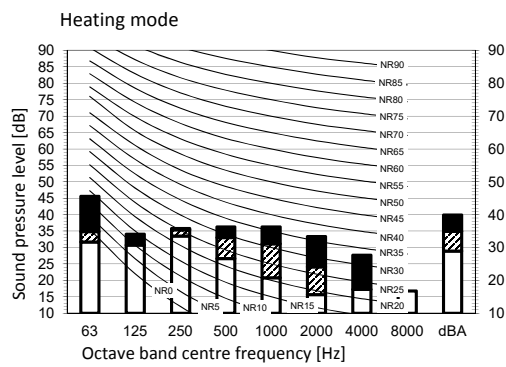
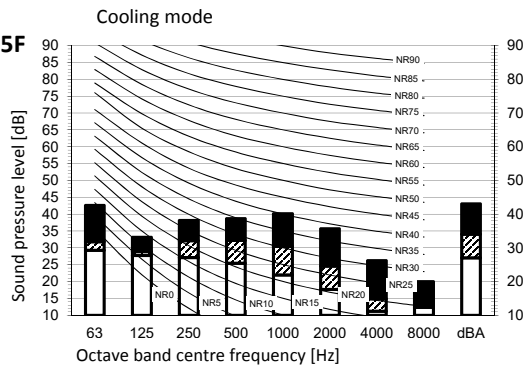
3D108790A

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

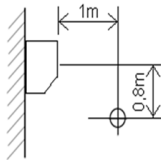
Cooling			
Total dB			
A	B	C	D
dBA	43	34	27

Heating			
Total dB			
A	B	C	D
dBA	40	35	29

Notes

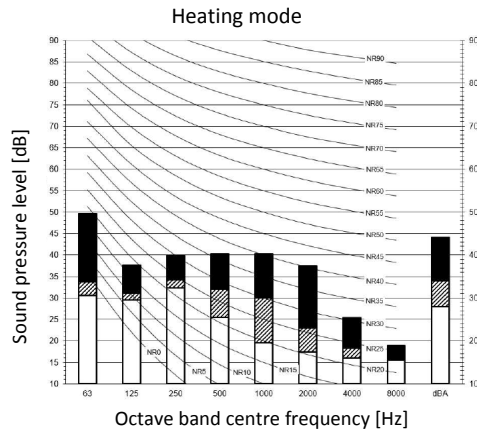
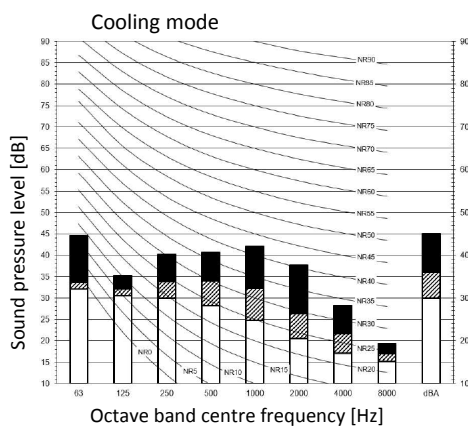
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

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

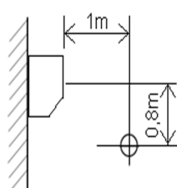
Cooling			
Total dB			
A	B	C	D
dBA	45	36	30

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

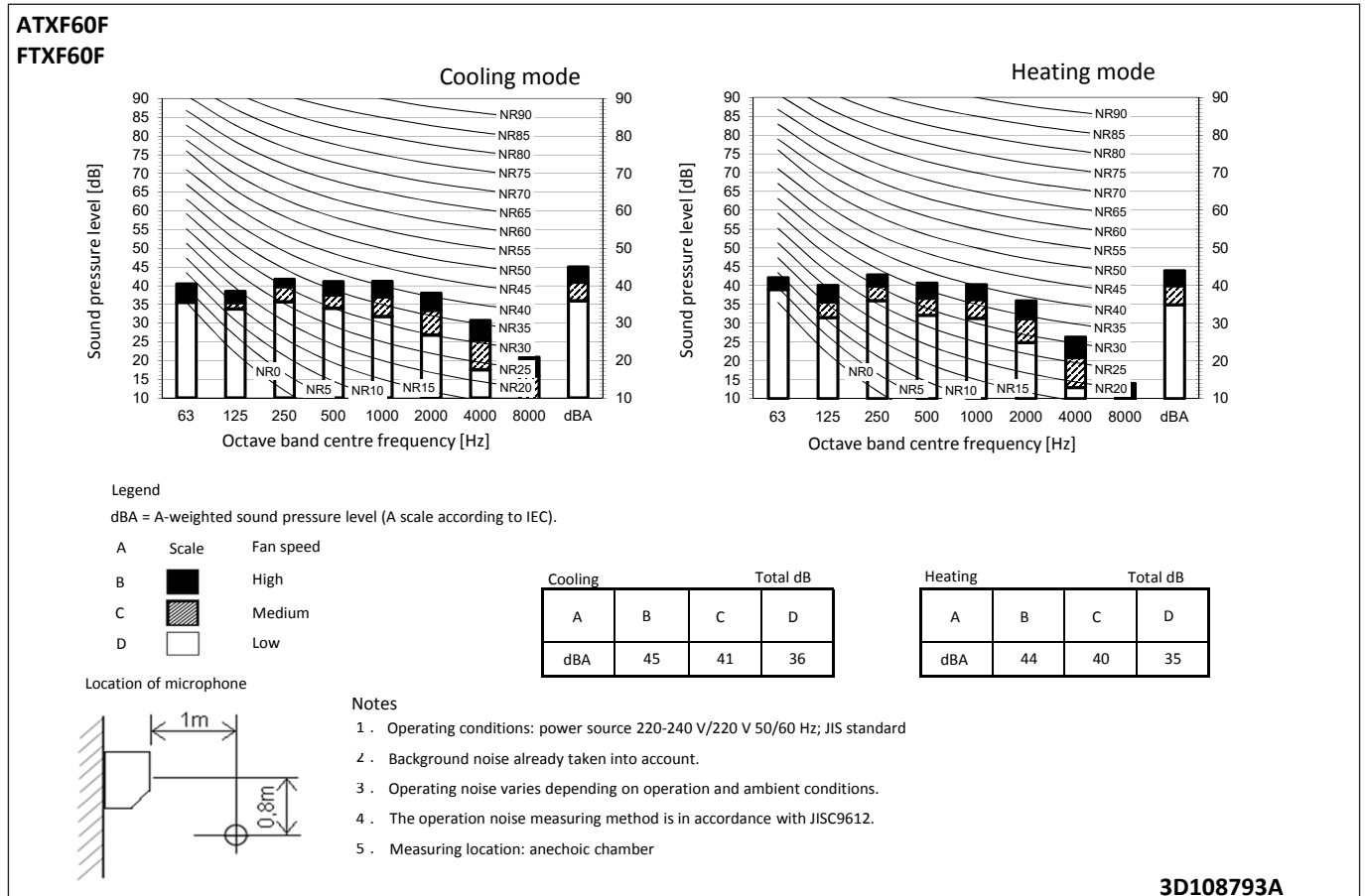
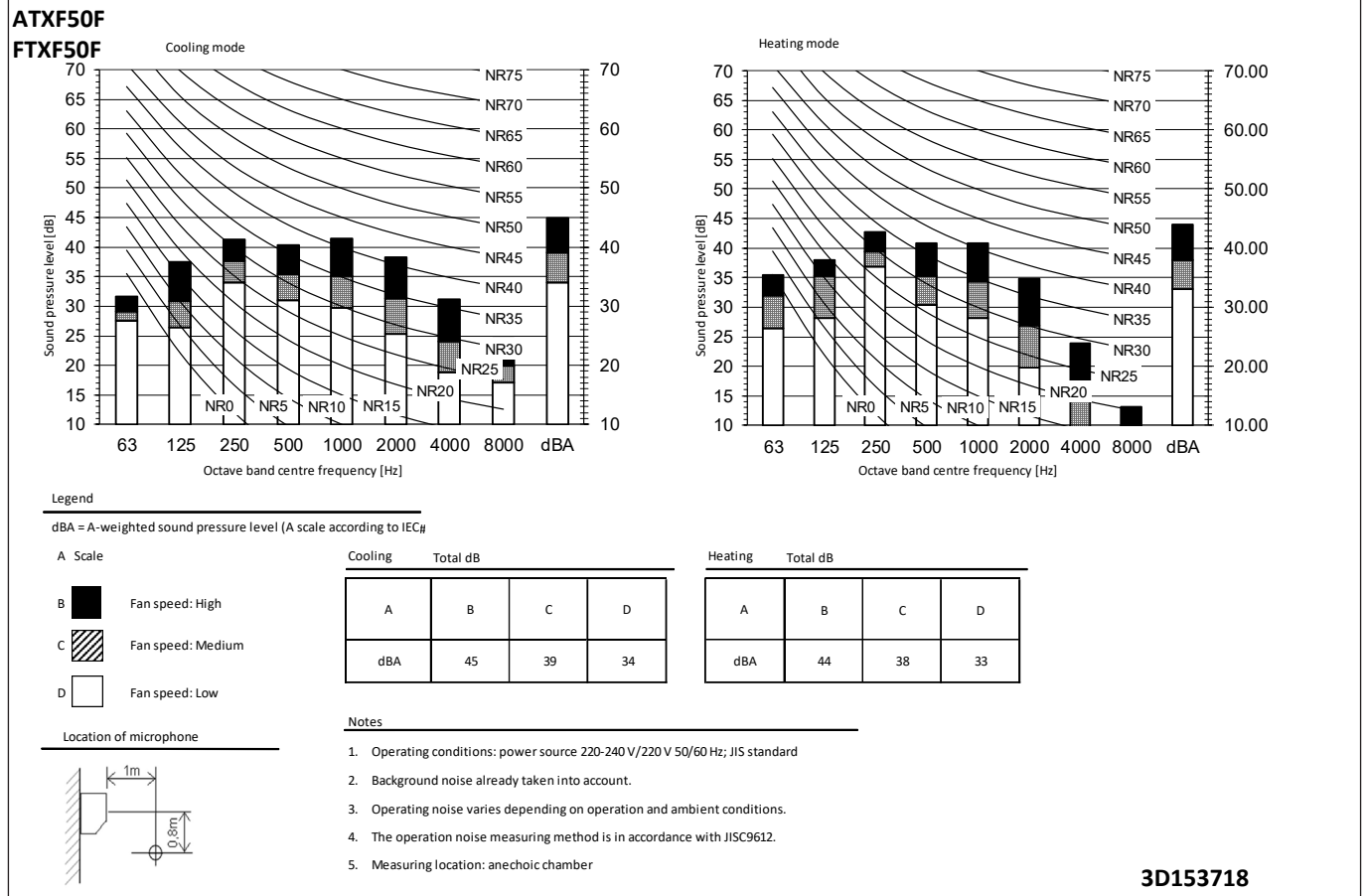
Location of microphone



3D144462

8 Sound data

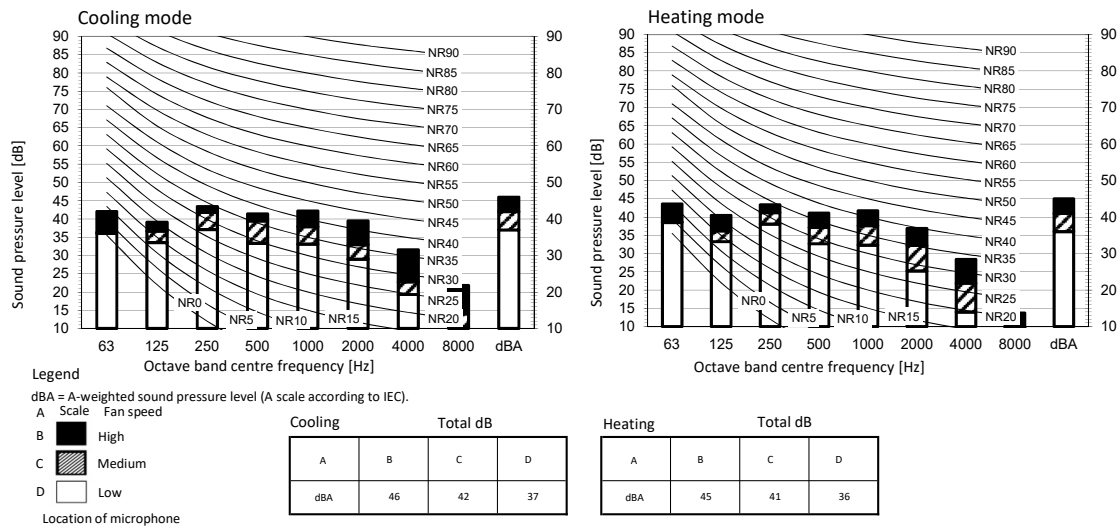
8 - 2 Sound Pressure Spectrum



8 Sound data

8 - 2 Sound Pressure Spectrum

ATXF71F
FTXF71F



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

3D115181

