

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	
	Type			Cross flow fan					
Fan	Quantity			1					
	Air flow rate	Cooling	High	m ³ /min	9.8	10	11.5	12.6	
				cfm	346	353	406	450	
			Medium	m ³ /min		8		9	
				cfm	286	289	298	310	
		Low	m ³ /min	6	6.2	6.4	6.9		
			cfm	212	219	226	243		
		Heating	Silent operation	m ³ /min	4.3		4.4	4.9	
				cfm	152		155	173	
	High		m ³ /min	10.4		11.9	12.8		
			cfm	367		420	452		
	Medium		m ³ /min	8.3	8.4	8.6	8.8		
			cfm	293	297	302	310		
	Fan	Air flow rate	Heating	Low	m ³ /min	6.2	6.4	6.5	6.7
cfm				219	226	230	236		
Silent operation		m ³ /min		5.3		5.2			
		cfm		187		183			
Fan motor	Model			DFD03C1VB					
	Speed			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			9		13.5	
	Packed unit			11		16	
Packing	Weight			2		2.5	
Heat exchanger	Length			610		820	
	Rows	Quantity		2			
		Fin pitch		mm			
	Stages	Quantity		18			
		Passes		3		6	
	Tube type			ø5 Hi-XB			
	Fin	Type		ML fin (Multi louver)			
		Length			600		810
	Heat exchanger 2	Rows	Quantity		1		
			Fin pitch		mm		
Stages		Quantity		8			
	Length			-		810	
Heat exchanger 3	Rows	Quantity		-			
		Fin pitch		mm			
	Stages	Quantity		-			
Type			Cross flow fan				
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
	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			5 + silent, + auto			
	Cooling	High	rpm	1,250		1,070	
			rpm	1,030		940	
			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			59	60	62
		Heating			59		62
	Sound pressure level	Cooling	High	dB(A)		45	46
dB(A)				39	41	42	
Low			dB(A)	34	36	37	
			Silent operation		dB(A)	31	33
Heating			High	dB(A)		44	45
		dB(A)		38	40	41	
		Low	dB(A)	33	35	36	
			Silent operation		dB(A)	30	32
		Piping connections	Liquid	OD	mm	6	
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
	(RLA) -50Hz		0.4

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

ATXF60-71F
FTXF60-71F

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		ATXP20L5V1B	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	FTXF25B5V1B	25	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B42	⑤	ATXF20A5V1B	20	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B43	⑤	ATXF25A5V1B	25	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069A44	⑥	ATXF35A5V1B	35	BMS-R32	DTAS
Wi-Fi adaptor for smartphones	BRP069B45	⑤	FTXP20M5V1B	20	BMS-R32	DTAS
Interface adaptor for DIII-NET	KRP928B82S		FTXP25M5V1B	25	BMS-R32	DTAS
Central remote control	DCS302CA51		FTXP35M5V1B	35	BMS-R32	DTAS
Unified ON/OFF controller	DCS301BA51		ATXP20M5V1B	20	BMS-R32	DTAS
Schedule timer	DST301BA51		ATXP25M5V1B	25	BMS-R32	DTAS
Titanium apatite deodorising filter without frame	KAF971A42	①	ATXP35M5V1B	35	BMS-R32	DTAS
Titanium apatite deodorising filter without frame	KAF952B42	③	ATXF50A2V1B	50	BML	DICz
Titanium apatite deodorising filter without frame	KAF970A46	②	ATXF60A2V1B	60	BML	DICz
Honeycomb deodorising and air-purifying filter without frame	KAF968A42		ATXF71A2V1B	71	BML	DICz
Honeycomb deodorising filter with frame	KAZ917B41		ATXF60F2V1B	60	BML	DICz
Honeycomb deodorising filter without frame	KAZ917B42		ATXF71F2V1B	71	BML	DICz
Air-purifying filter with frame	KAF925B41		FTXP50N2V1B	50	BML	DICz
Honeycomb deodorising and air-purifying filter with fra	KAF046A41		FTXP60N2V1B	60	BML	DICz
Anti-theft protection for remote control	KKF910AA4		FTXP71N2V1B	71	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

4

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

The · — · mark shows the piping direction.

Including mounting plate

Terminal block with earth terminal
 Located inside of the unit

Blade angle

Front grille fixing screws
 Located inside of the unit

Nameplate
 Located inside of the unit

Flap

Signal receiver
 Operation lamp
 Timer lamp
 Indoor unit On/OFF switch
 Room temperature sensor
 Located inside of the unit

Required space for service and ventilation

Indoor air flow

Minimum space for air passage
 30 MIN

Service space
 50 MIN

Service space
 50 MIN

Liquid pipe
 Gas pipe
 Drain hose

Drain hose
 Inside diameter: ·14-mm
 Outside diameter: ·16-mm
 Connecting part
 The length of the connection hose outside the unit is ·470-mm.

Liquid pipe
 ·Ø6.4 mm· CuT
 The length of the pipe outside the unit is ·410-mm.

Gas pipe
 ·Ø9.5 mm· CuT
 The length of the pipe outside the unit is ·360-mm.

330
 370
 390

770
 536.6
 116.5
 285
 7.0
 44.5
 48
 48
 44.5
 14.6
 48

Hole for embedded piping

Standard location of holes in the wall

3D153219

WIRELESS REMOTE CONTROLLER (ARC480A78)

Blade angle

Up/down (automatic)

Cooling Dry

Heating

5°

15°

50°

65°

Fan

Left/right (manual)

0°

65°

45°

45°

ATXF50F
FTXF50F

The · — · mark shows the piping direction.

Including mounting plate

Terminal block with earth terminal
 Located inside of the unit

Blade angle

Front grille fixing screws
 Located inside of the unit

Nameplate
 Located inside of the unit

Flap

Signal receiver
 Operation lamp
 Timer lamp
 Indoor unit On/OFF switch
 Room temperature sensor
 Located inside of the unit

Required space for service and ventilation

Indoor air flow

Minimum space for air passage
 30 MIN

Service space
 50 MIN

Service space
 50 MIN

Liquid pipe
 Gas pipe
 Drain hose

Drain hose
 Inside diameter: ·14-mm
 Outside diameter: ·16-mm
 Connecting part
 The length of the connection hose outside the unit is ·470-mm.

Liquid pipe
 ·Ø6.4 mm· CuT
 The length of the pipe outside the unit is ·410-mm.

Gas pipe
 ·Ø12.7 mm· CuT
 The length of the pipe outside the unit is ·360-mm.

330
 370
 390

770
 536.6
 116.5
 285
 7.0
 44.5
 48
 48
 44.5
 14.6
 48

Hole for embedded piping

Standard location of holes in the wall

3D153220

WIRELESS REMOTE CONTROLLER (ARC480A78)

Blade angle

Up/down (automatic)

Cooling Dry

Heating

5°

15°

50°

65°

Fan

Left/right (manual)

0°

65°

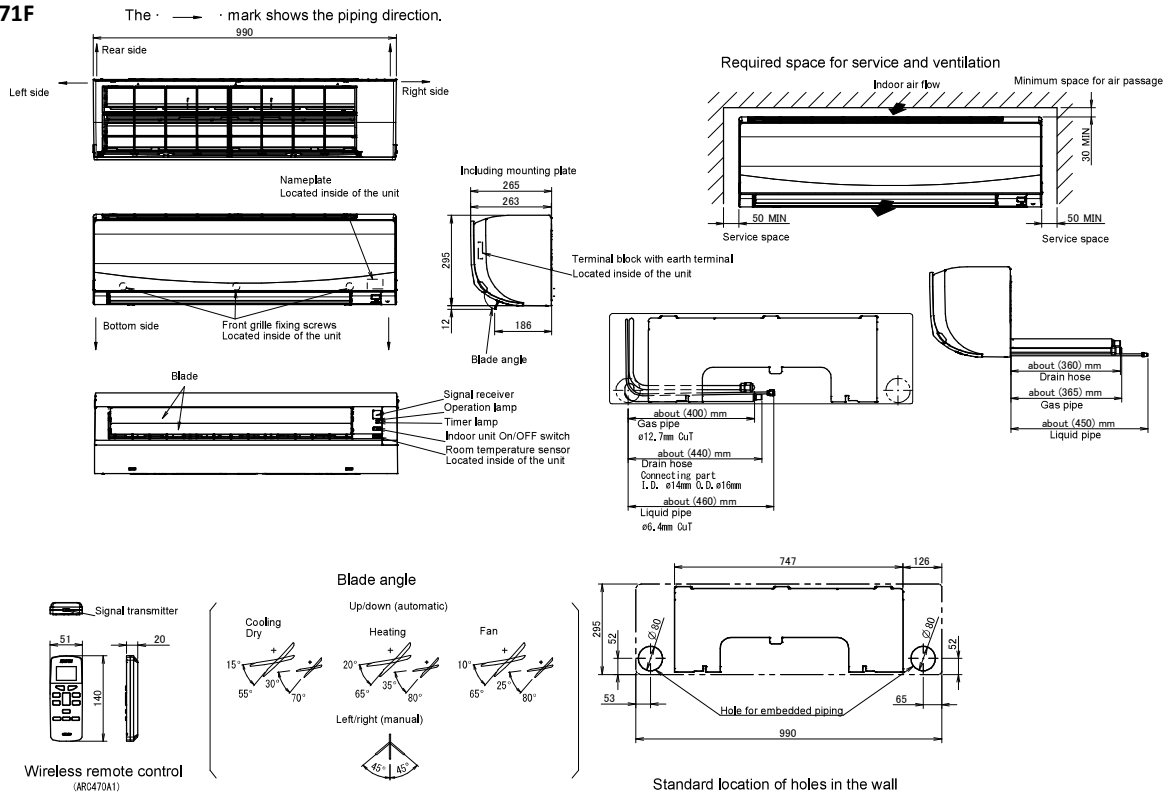
45°

45°

4 Dimensional drawings

4 - 1 Dimensional Drawings

ATXF60-71F
FTXF60-71F



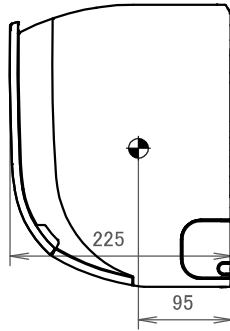
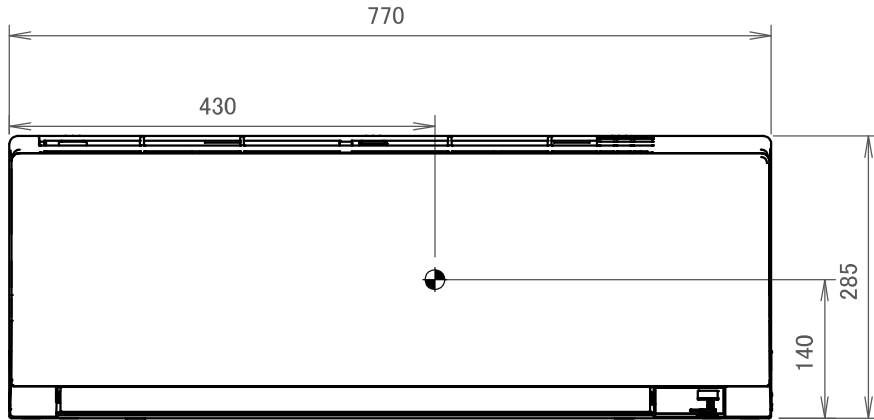
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5 Centre of gravity

5 - 1 Centre of Gravity

5

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

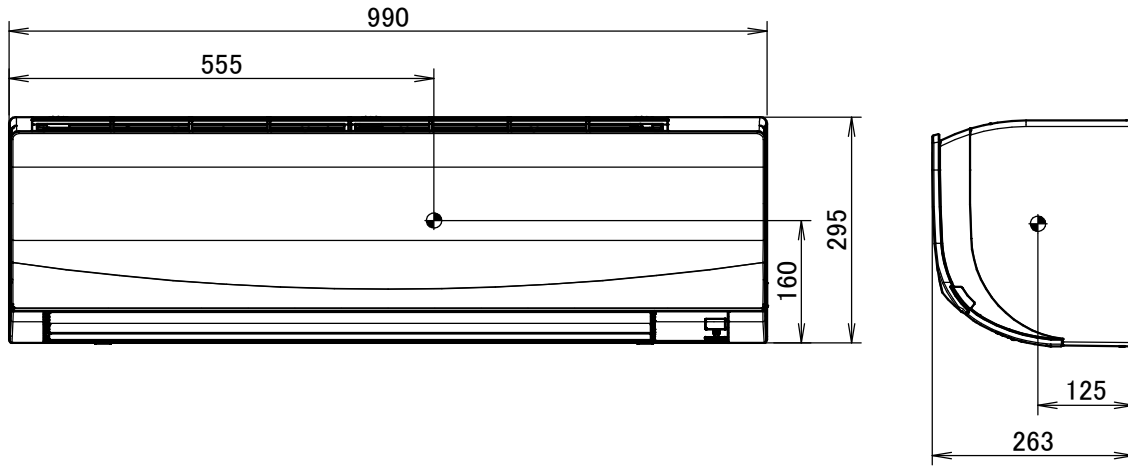


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5 Centre of gravity

5 - 1 Centre of Gravity

ATXF60-71F
FTXF60-71F



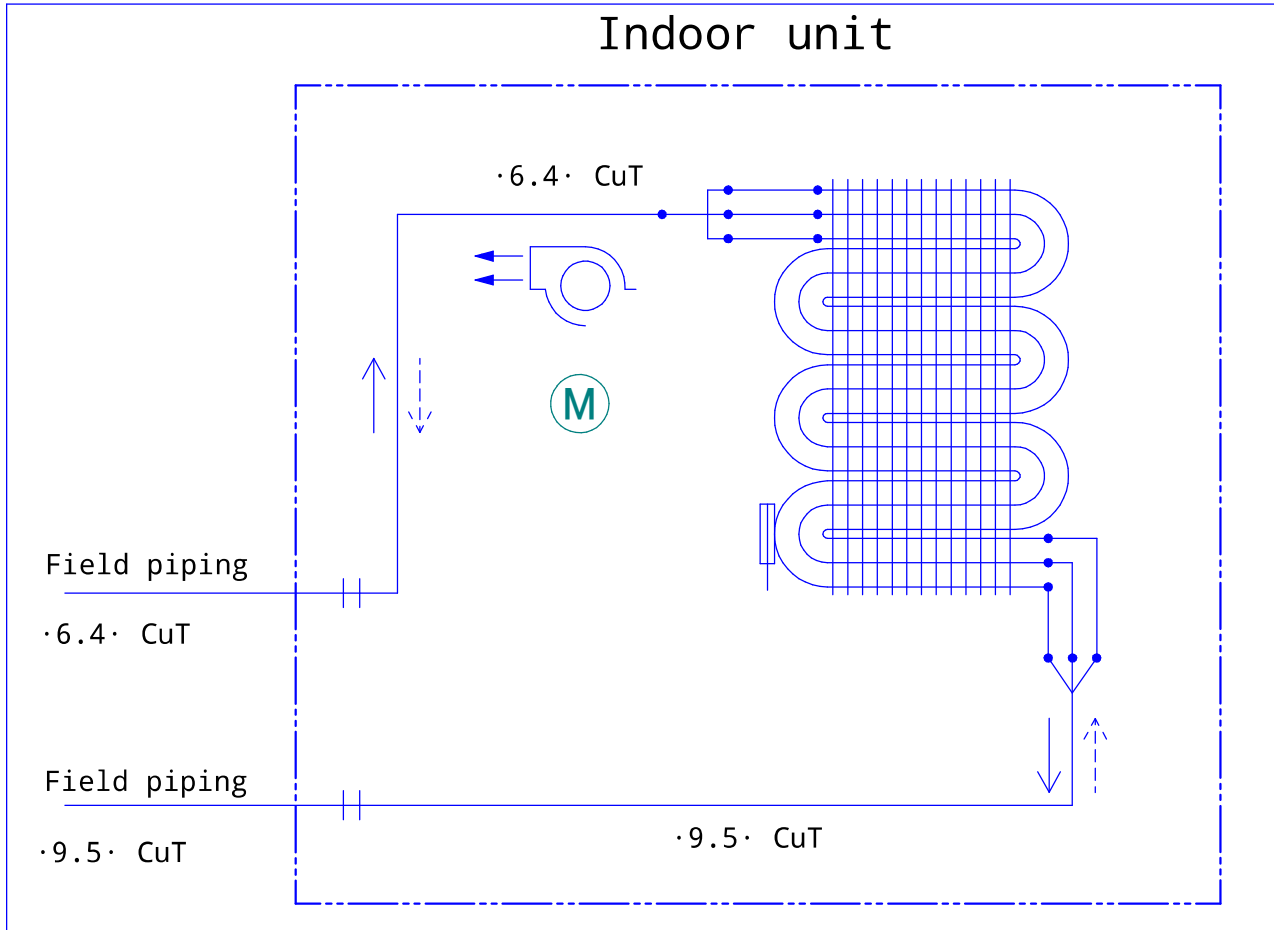
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6 Piping diagrams

6 - 1 Piping Diagrams

6

ATXF35F ATXF25G
CTXF20-25F FTXF35F



Refrigerant flow

→ Cooling

- - - -> Heating

Crossflow fan

Fan motor

Thermistor (heat exchanger)

Heat exchanger

4D139891

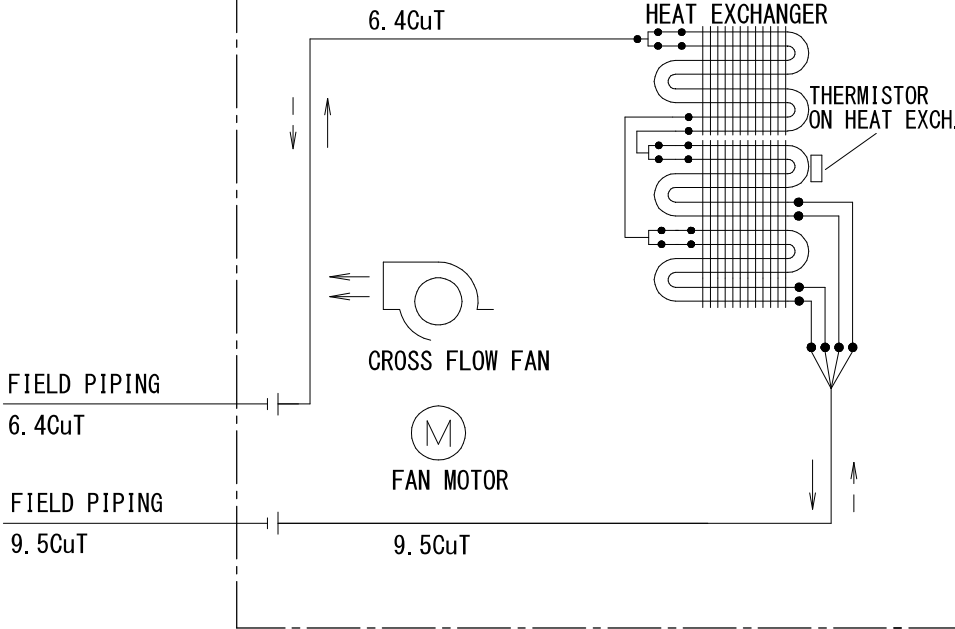
6 Piping diagrams

6 - 1 Piping Diagrams

ATXF42F
ATXF35G
CTXF35F
FTXF42F

INDOOR UNIT

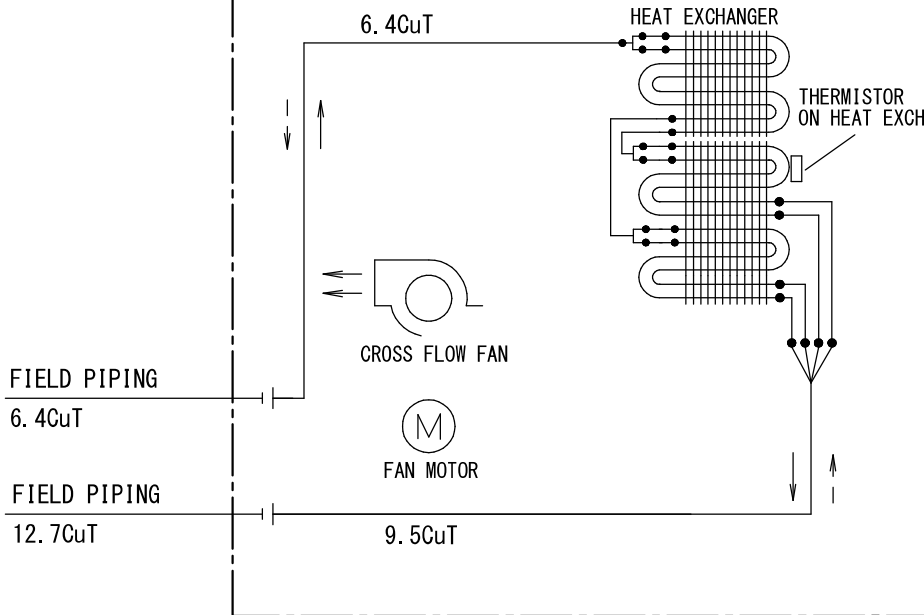
REFRIGERANT FLOW
 —> COOLING
 -> HEATING



3D130682

ATXF50F
FTXF50F

INDOOR UNIT



REFRIGERANT FLOW
 —> COOLING
 -> HEATING

3D153080

6 Piping diagrams






6 - 1 Piping Diagrams

6



ATXF60-71F

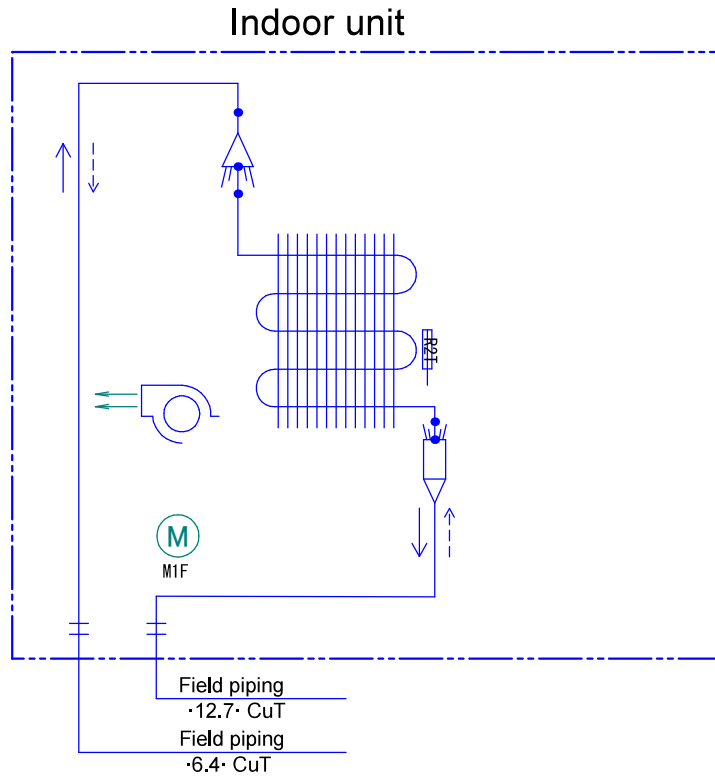
FTXF60-71F

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

Field wiring

Wireless remote Control

BLK: Black
 BLU: Blue
 BRN: Brown
 GRN: Green
 ORG: Orange
 PNK: Pink
 RED: Red
 WHT: White
 YLW: Yellow

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

NOTES
 1. SIZE : LENGTH 70 x WIDTH 120
 2. UNLESS OTHERWISE SPECIFIED REFER TO PURCHASING SPECIFICATION AS303002.

3D153085A

ATXF60-71F
FTXF60-71F

WIRING DIAGRAM

CONNECTOR FG, HE, S6~S900
FUSE F1U (FU1)
TRANSFORMER T1R (L301)
FAN MOTOR M1F
SWING MOTOR M1S
MAGNETIC RELAY K1R (MR10)
PRINTED CIRCUIT BOARD A1P~A4P
THERMISTOR R1T, R2T
OPERATION SWITCH BS1 (S1W)
VARISTOR R2V (V2)
TERMINAL STRIP X1M
FERRITE CORE Z1C, Z2C
INTELLIGENT POWER IPM200
MODULE PILOT LAMP H1P, H2P (LED 1-2)
PROTECTIVE EARTH DIODE BRIDGE V1R (DB301)
BUZZER H10 (BZ)
CAPACITOR C101~302
SIGNAL RECEIVER SR (WLU)

WIRE COLORS
 BLK :BLACK GRN :GREEN
 RED :RED YLW :YELLOW
 BLU :BLUE ORG :ORANGE
 WHT :WHITE

FIELD WIRING

CAUTION:
 WHEN THE MAIN POWER IS TURNED OFF AND THEN BACK ON AGAIN, OPERATION WILL RESUME AUTOMATICALLY.

NOTES:
 1. SIZE: HEIGHT 70 x WIDTH 120.
 2. REFER TO PURCHASING SPECIFICATION AS303002 UNLESS OTHERWISE SPECIFIED.

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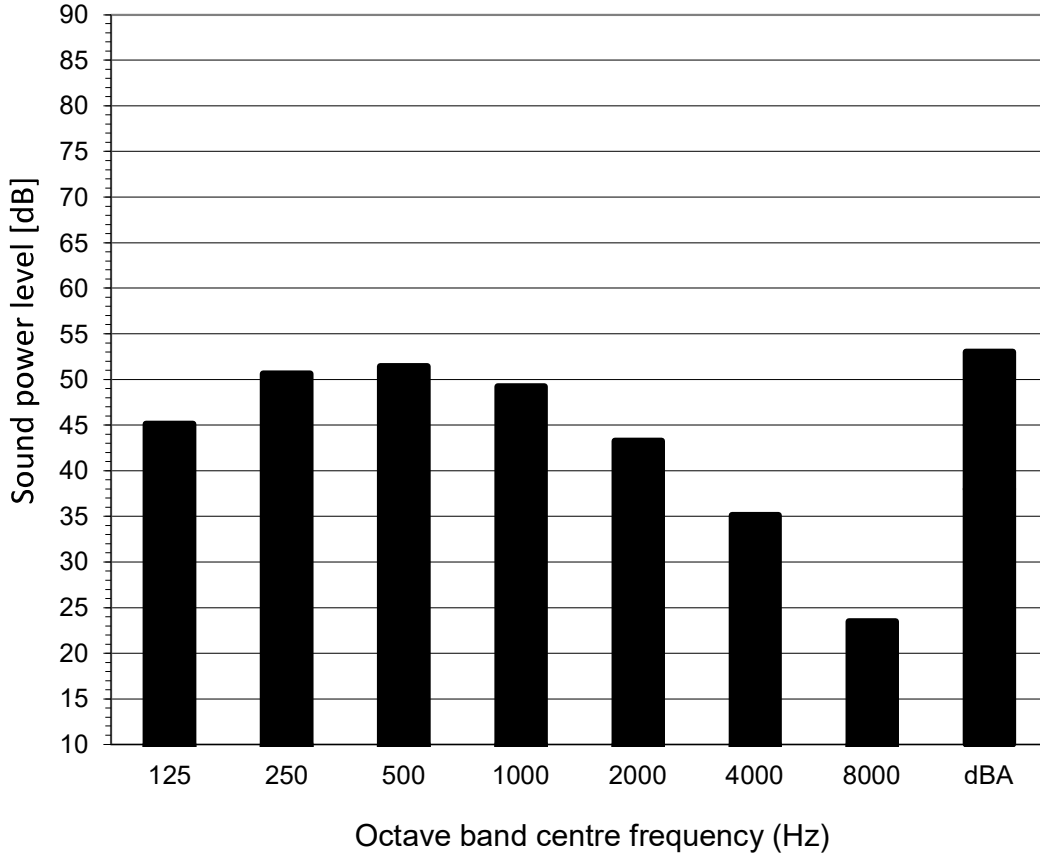
8 Sound data

8 - 1 Sound Power Spectrum

8

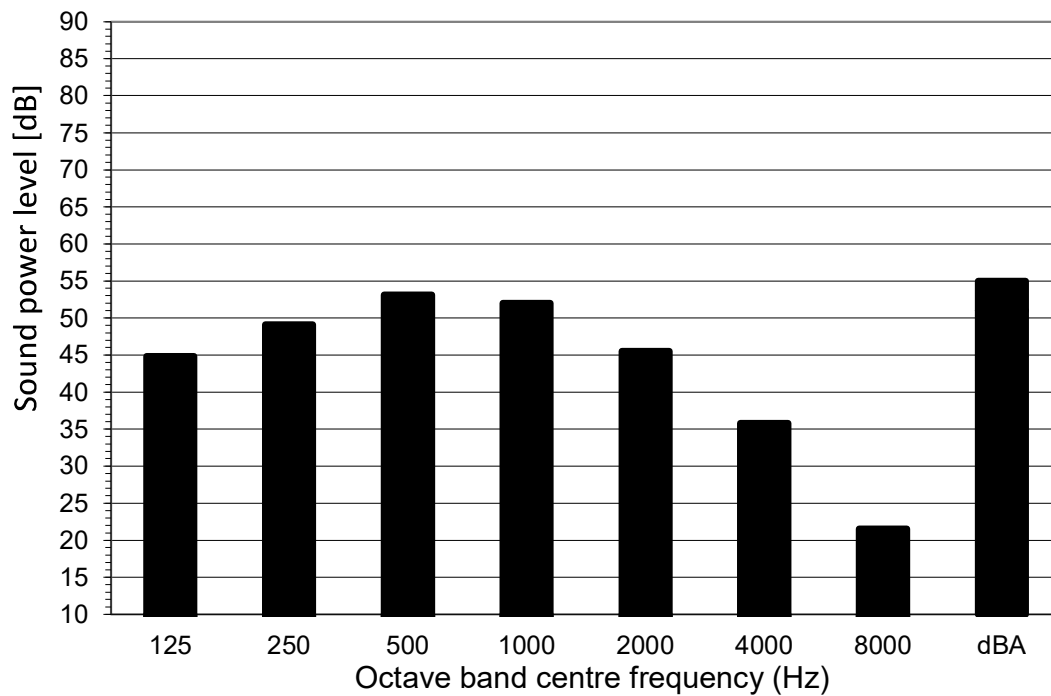
ATXF20F
FTXF20F

Cooling mode



Heating mode

Fan Speed
High

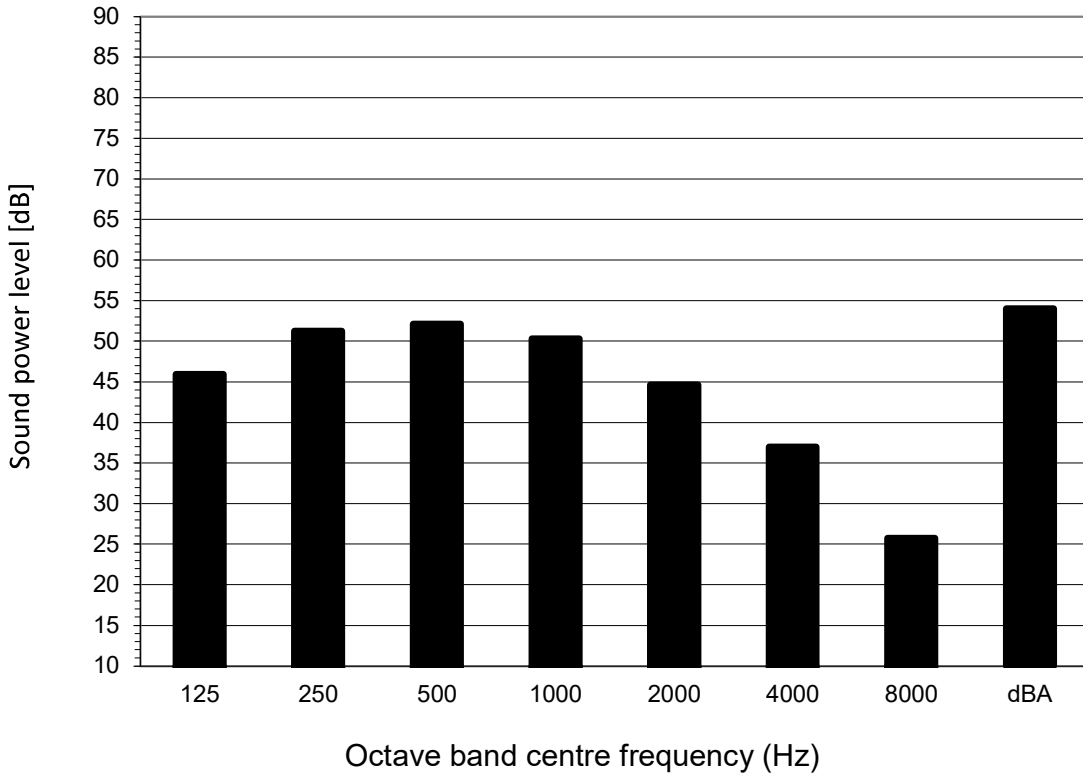


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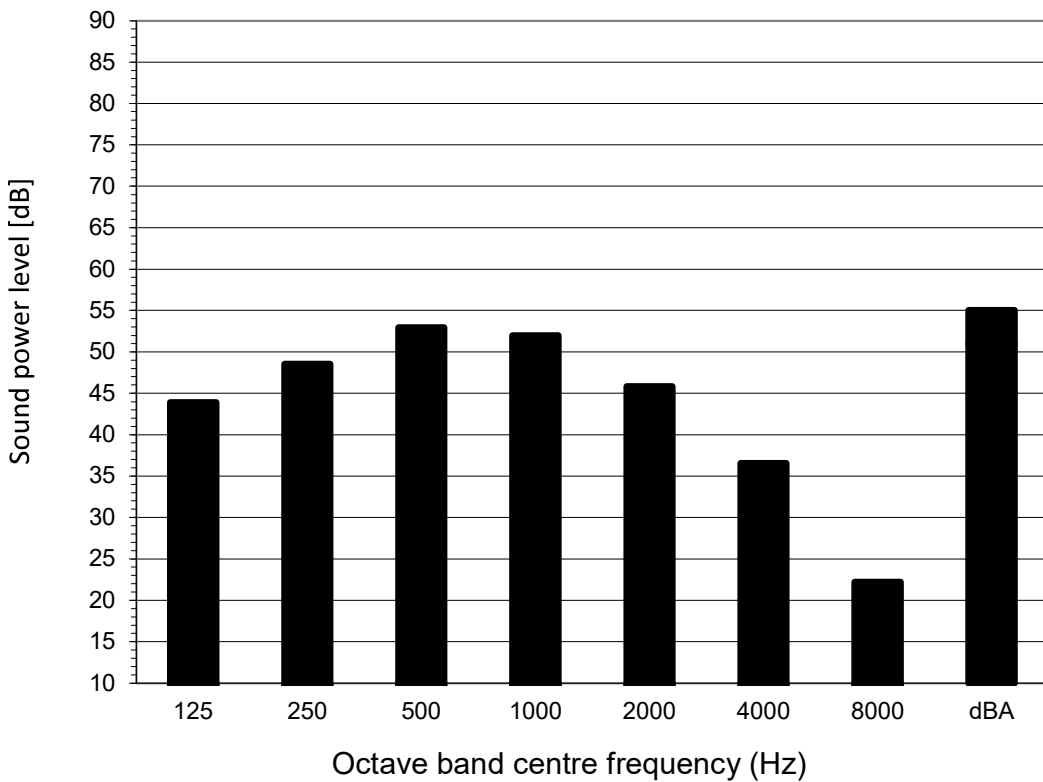
8 Sound data

8 - 1 Sound Power Spectrum

ATXF25F
FTXF25F Cooling mode



Heating mode

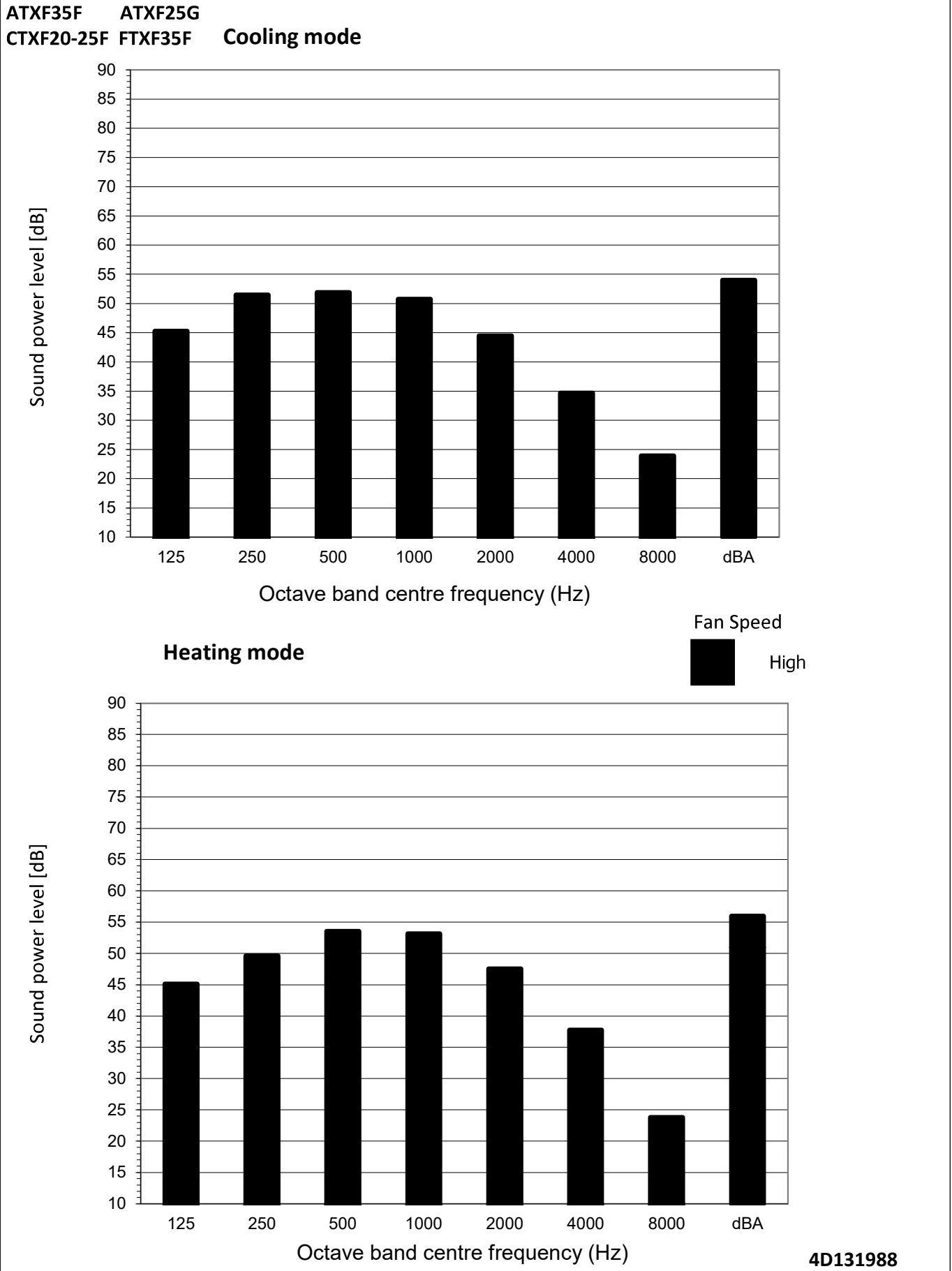


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8 Sound data

8 - 1 Sound Power Spectrum

8

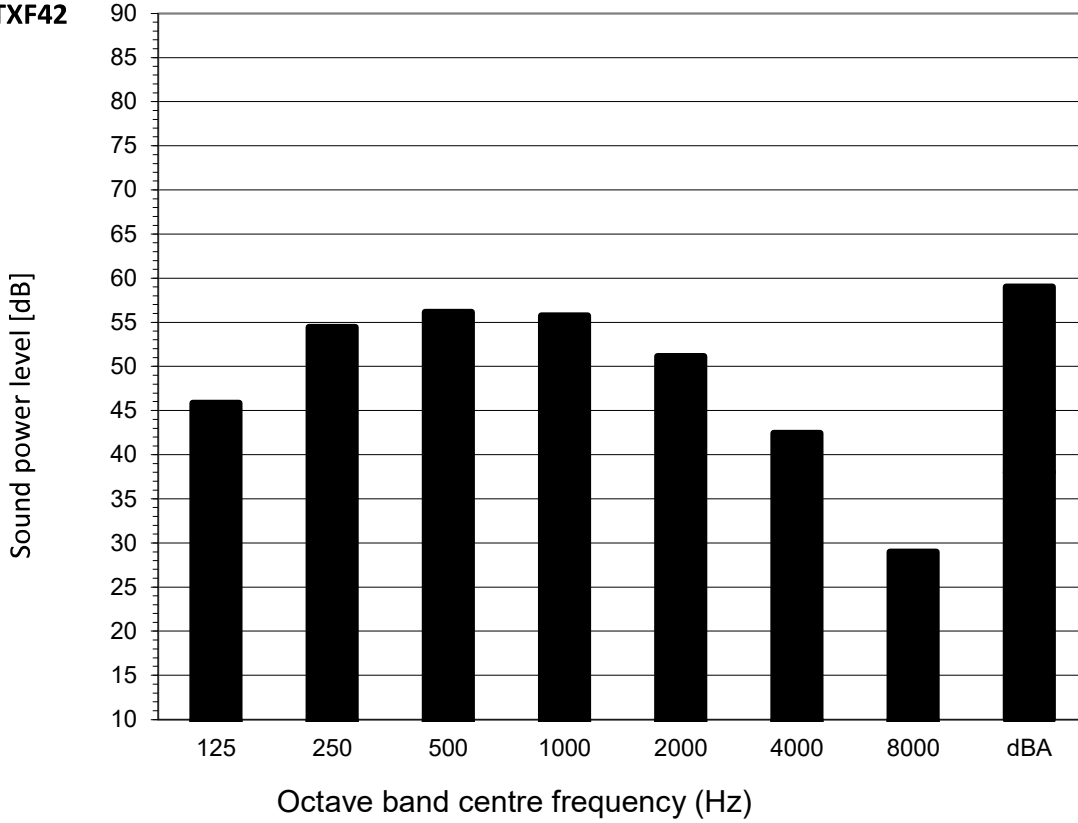


8 Sound data

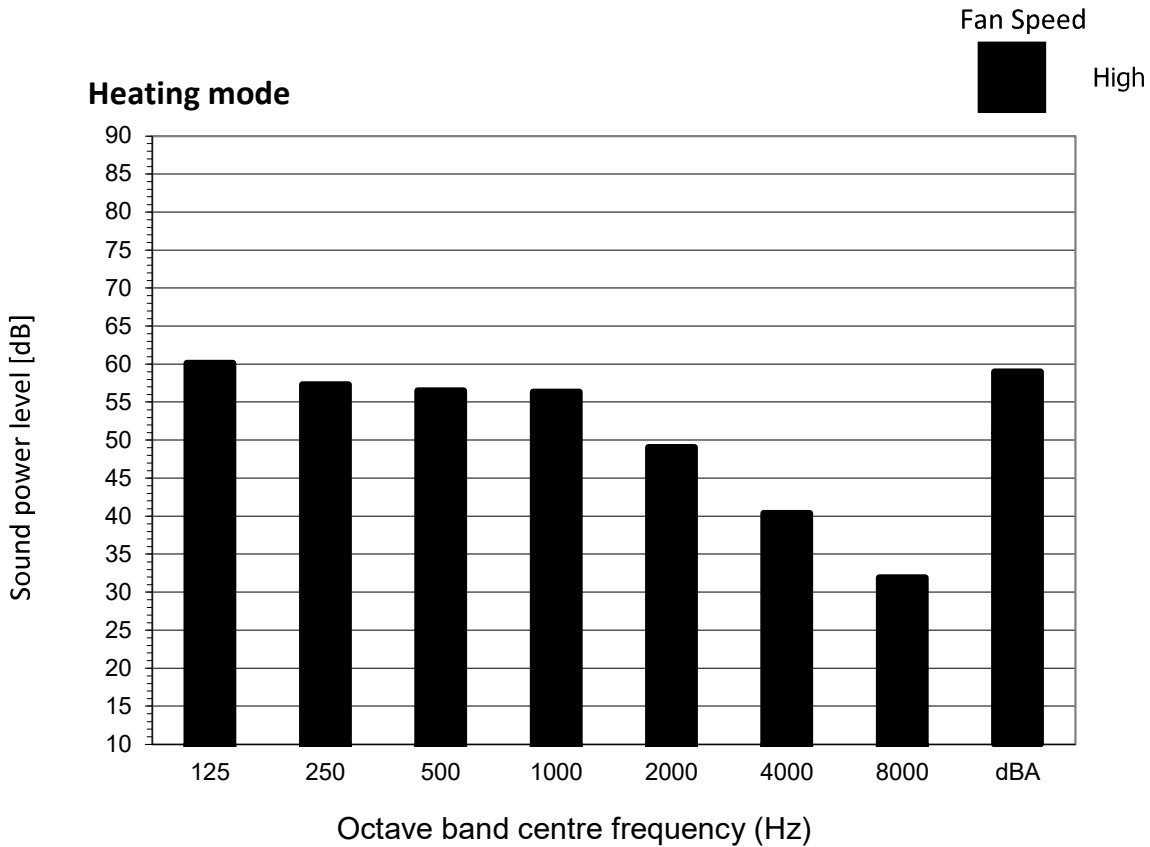
8 - 1 Sound Power Spectrum

ATXF42F
 ATXF35G
 CTXF35F
 FTXF42

Cooling mode



Heating mode

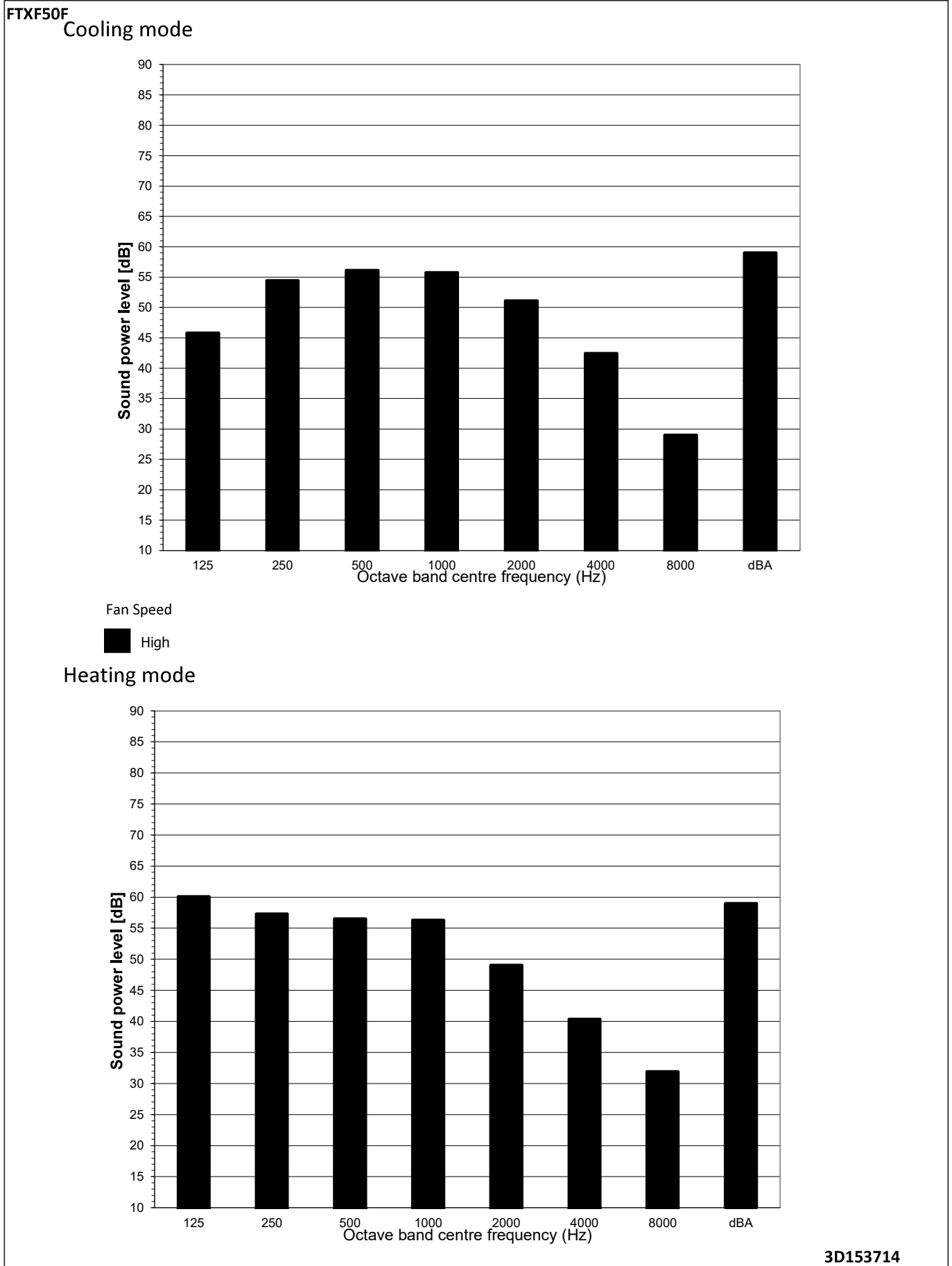


4D131989

8 Sound data

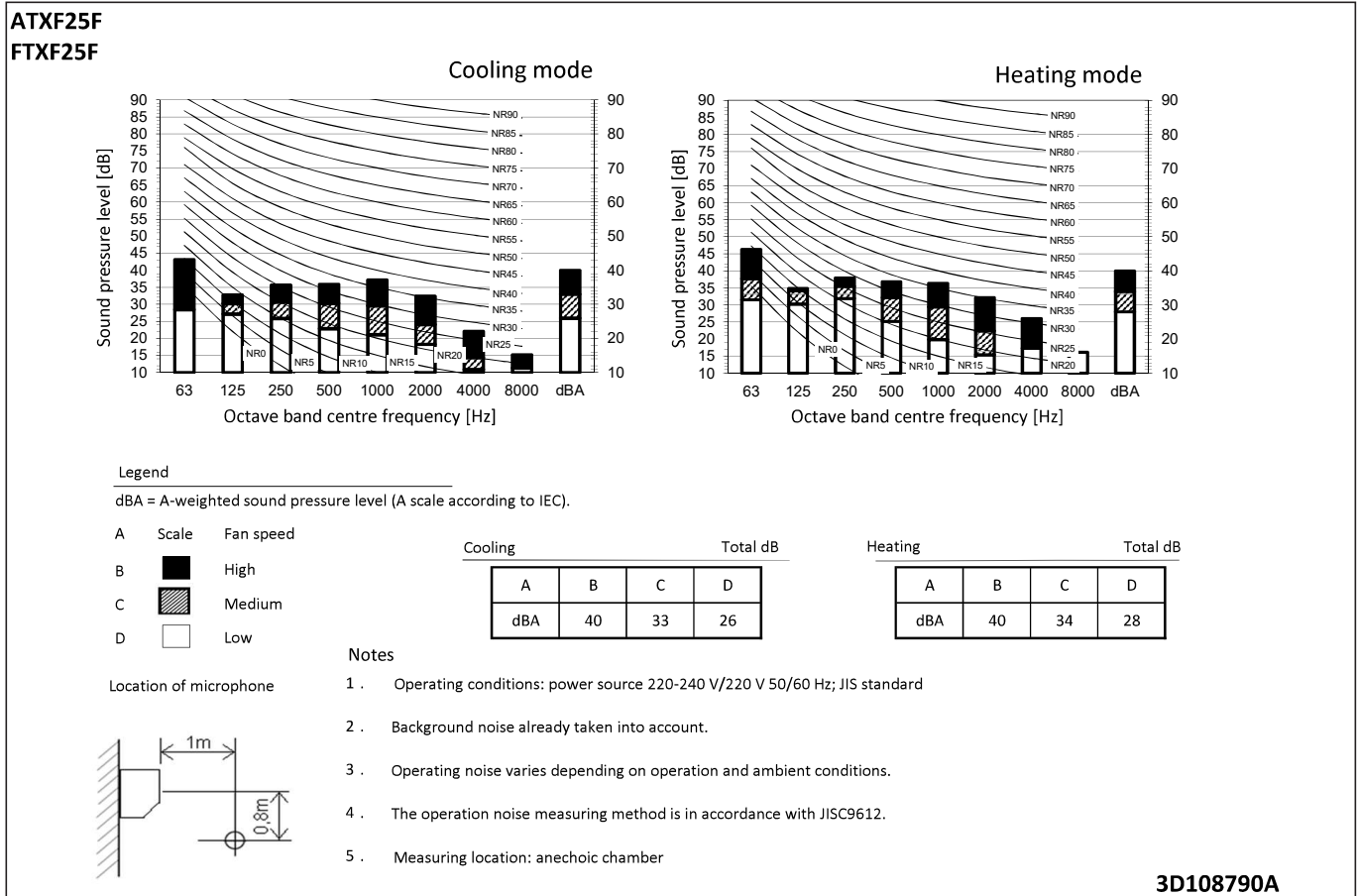
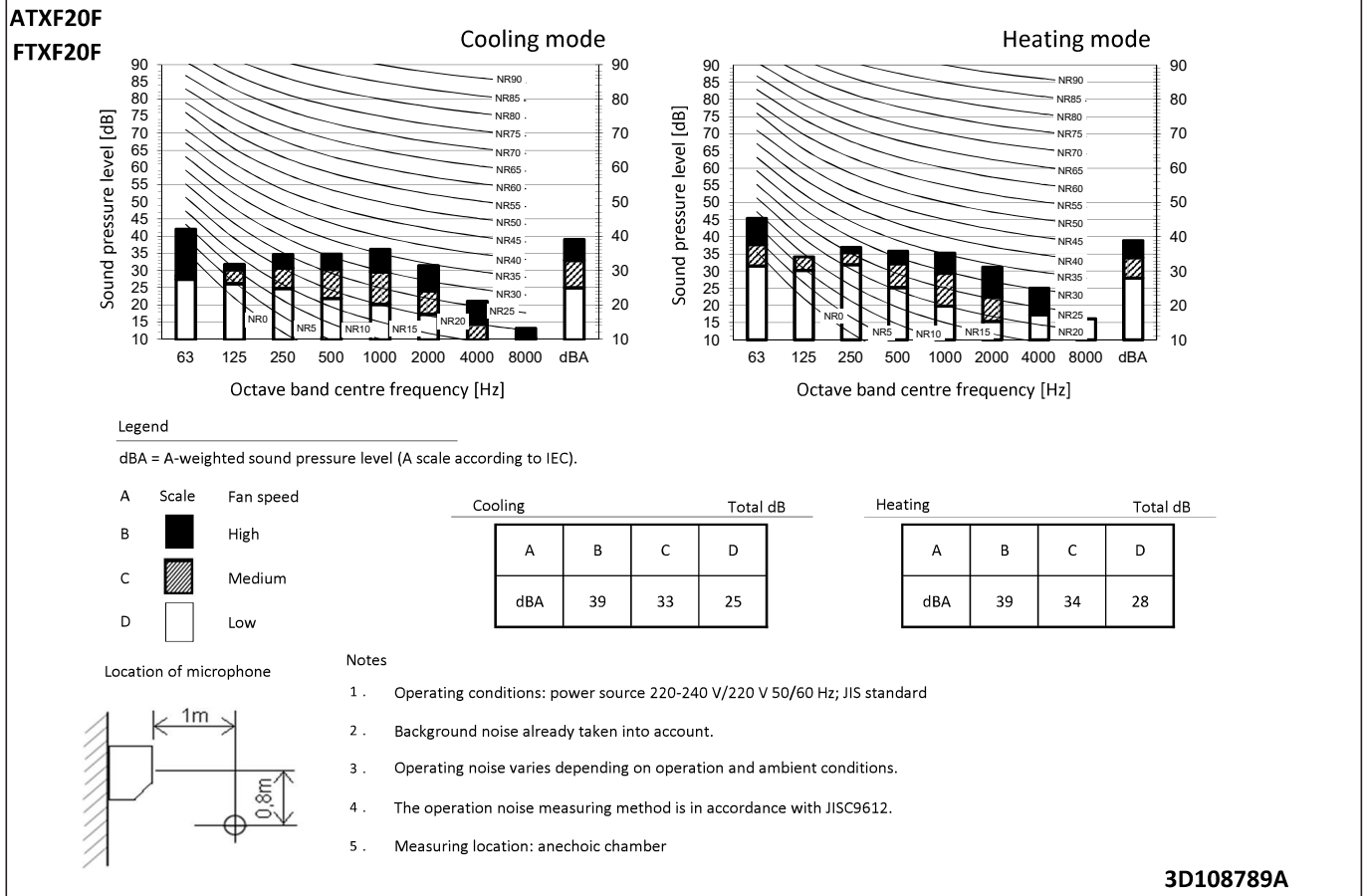
8 - 1 Sound Power Spectrum

8



8 Sound data

8 - 2 Sound Pressure Spectrum

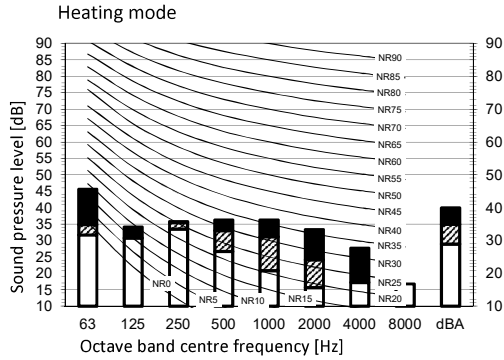
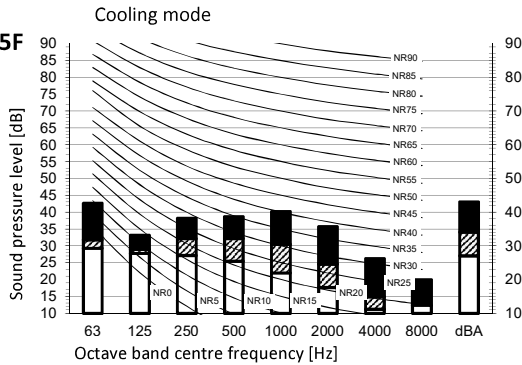


8 Sound data

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

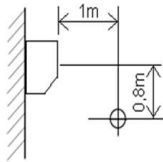
Cooling		Total dB	
A	B	C	D
dBA	43	34	27

Heating		Total dB	
A	B	C	D
dBA	40	35	29

Notes

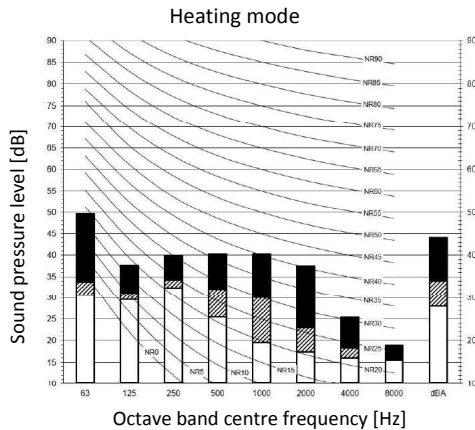
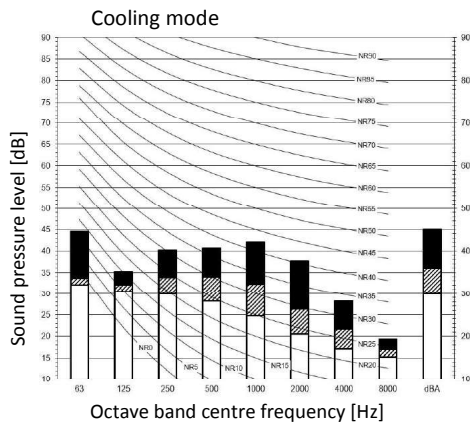
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

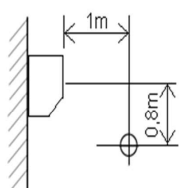
Cooling		Total dB	
A	B	C	D
dBA	45	36	30

Heating		Total dB	
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

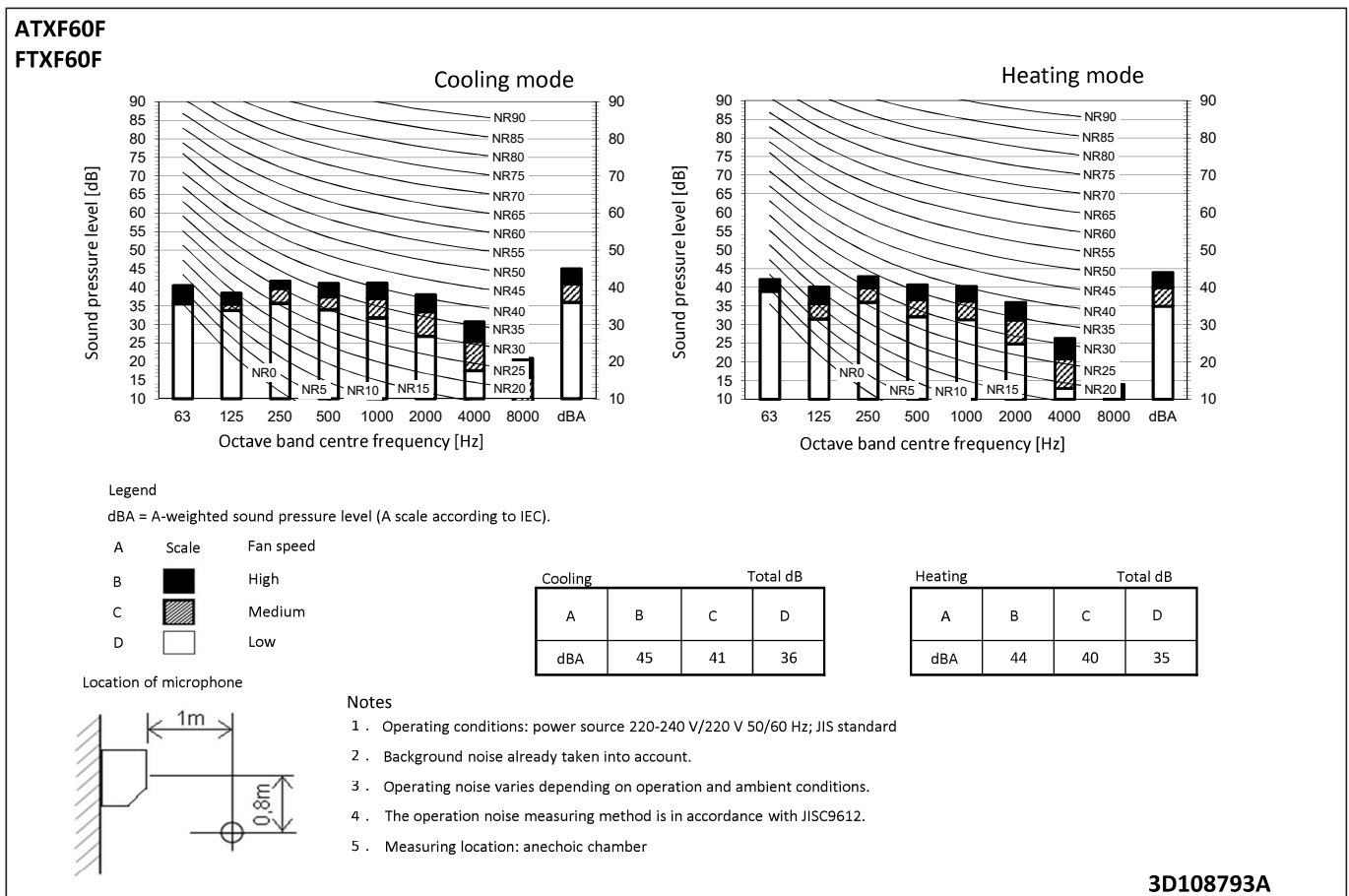
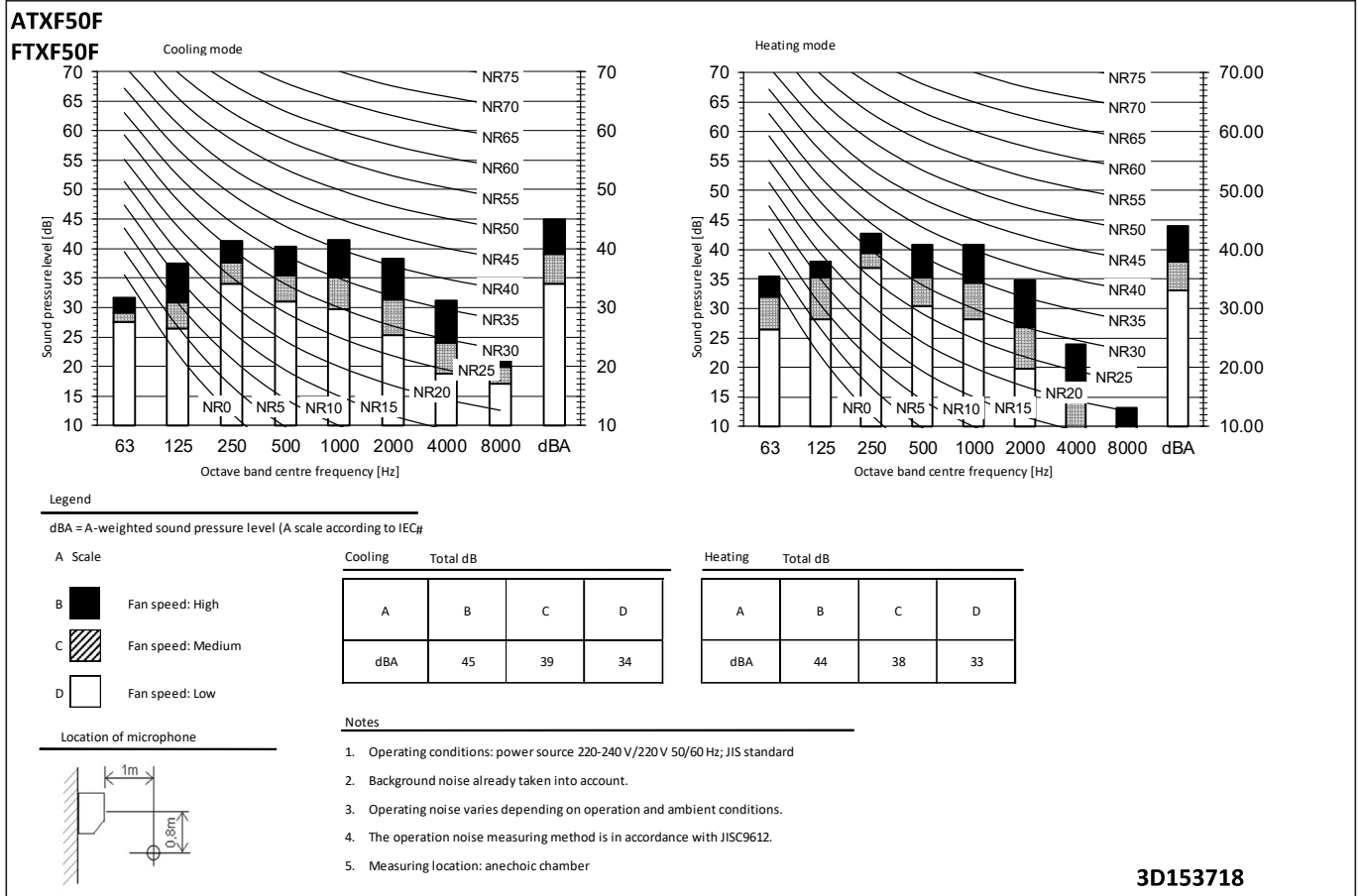
Location of microphone



3D144462

8 Sound data

8 - 2 Sound Pressure Spectrum

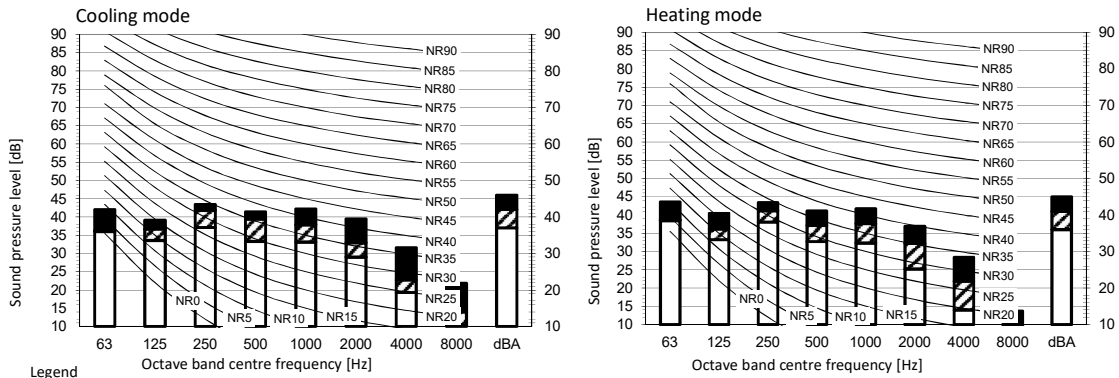


8 Sound data

8 - 2 Sound Pressure Spectrum

8

ATXF71F
FTXF71F

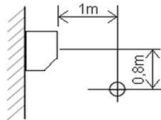


Legend

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

- A Scale Fan speed
- B High
- C Medium
- D Low

Location of microphone



Cooling		Total dB	
A	B	C	D
dBA	46	42	37

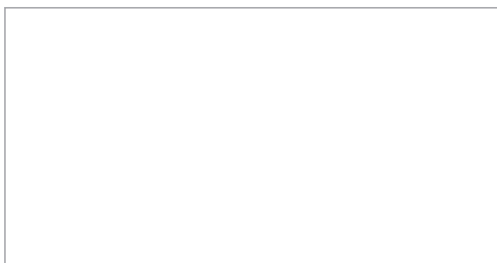
Heating		Total dB	
A	B	C	D
dBA	45	41	36

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

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EEDEN25

03/2025



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