

Wall mounted unit Air Conditioning Technical Data FTXF-D



FTXF20D5V1B
FTXF25D5V1B
FTXF35D5V1B
FTXF42D5V1B
FTXF50D2V1B
FTXF60D2V1B
FTXF71D2V1B

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FTXF-D

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1 Features

1 - 1 FTXF-D

Wall mounted unit for low energy consumption and pleasant comfort

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- › Seasonal efficiency values up to A++ in cooling
- › Onecta app (optional): 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
(optional)



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

1 - 1 FTXF-D

Technical specifications				FTXF20D		FTXF25D		FTXF35D		FTXF42D			
Power input	Cooling	Nom.	kW	0.023				0.029		0.040			
	Heating	Nom.	kW	0.023				0.029		0.040			
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	8.00				8.50		9.00				
	Packed unit	kg	10				11						
Packing	Weight		kg	2									
Heat exchanger	Length		mm	610									
	Rows	Quantity		2									
	Fin pitch		mm	1.40									
	Stages	Quantity		18									
	Tube type		ø5 Hi-XB										
	Fin	Type	ML fin (Multi louver)										
	Heat exchanger 2	Length		mm	-						600		
Rows		Quantity		-						1			
Fin pitch		mm	-						1.40				
Stages		Quantity		-						8			
Fan	Type			Cross flow fan									
	Quantity			1									
Fan	Air flow rate	Cooling	High	m³/min	9.8	10.0		11.5		12.6			
				cfm	346	353		406		45			
			Medium	m³/min	8				9				
				cfm	286	289		298		310			
			Low	m³/min	6.0	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	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			MM6K11S20VA									
	Speed	Steps		5 + silent, + auto									
Fan motor	Speed	Cooling	High	rpm	1,000	1,020		1,120		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	53.0	54.0				59.0	
Heating			dBA	55.0		56.0				59.0			
Sound pressure level	Cooling	High	dBA	39.0	40.0		43.0				45.0		
		Medium	dBA	33.0		34.0				36.0			
		Low	dBA	25.0	26.0		27.0				30.0		
		Silent operation	dBA	20.0				22.0					
	Heating	High	dBA	39.0	40.0						44.0		
		Medium	dBA	34.0		35.0				34.0			
		Low	dBA	28.0		29.0				28.0			
		Silent operation	dBA	21.0				22.0					
Piping connections	Liquid	OD	mm	6									
	Gas	OD	mm	9.50									
	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			ARC470A1									
	Wired remote control			BRC073A1									

2 Specifications

1 - 1 FTXF-D

2

Technical specifications					FTXF50D		FTXF60D		FTXF71D		
Power input	Cooling	Nom.	kW		0.029		0.032		0.032		
	Heating	Nom.	kW		0.032		0.035		0.035		
Casing	Colour				White						
Dimensions	Unit	Height	mm		295						
		Width	mm		990						
		Depth	mm		263						
	Packed unit	Height	mm		368						
		Width	mm		1,080						
		Depth	mm		383						
Weight	Unit	kg		13.5							
	Packed unit	kg		16							
Packing	Weight	kg		2.5							
Heat exchanger	Length		mm		820						
	Rows	Quantity		2							
	Fin pitch		mm		1.40						
	Stages	Quantity		18							
	Passes	Quantity		6							
	Tube type		ø5 Hi-XB								
	Fin	Type		ML fin (Multi louver)							
	Heat exchanger 2	Length		mm		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								
	Air flow rate	Cooling	High	m³/min	16.8			17.3			
				cfm	593			610			
			Medium	m³/min	14.4			14.8			
				cfm	508			522			
		Low	m³/min	11.9			12.2				
			cfm	413			430				
		Silent operation	m³/min	10.5			10.7				
cfm			367			377					
Fan	Air flow rate		Heating	High	m³/min	17.3			17.9		
					cfm	618			632		
		Medium		m³/min	14.8			15.8			
				cfm	526			557			
		Low	m³/min	12.2			12.8				
			cfm	434			452				
		Silent operation	m³/min	10.7			11.3				
			cfm	381			399				
Fan motor	Model		MM9E17S21VA								
	Speed	Steps		5 + silent, + auto							
		Cooling	High	rpm	1,040			1,070			
				rpm	920			940			
			Low	rpm	790			810			
				Silent operation	rpm	720			730		
		Heating	High	rpm	1,070			1,100			
				rpm	940			990			
			Low	rpm	810			840			
				Silent operation	rpm	730			760		
		Output	Rated		W	46					
	Sound power level	Cooling	dBA		59	60		62			
Heating		dBA		61	62						
Sound pressure level	Cooling	High	dBA		43	45		46			
		Medium	dBA		39	41		42			
		Low	dBA		34	36		37			
		Silent operation		dBA	31	33		34			
	Heating	High	dBA		42	44		45			
		Medium	dBA		38	40		41			
		Low	dBA		33	35		36			
		Silent operation		dBA	30	32		33			
Piping connections	Liquid	OD	mm		6.35						
	Gas	OD	mm		12.7						
	Drain				18						
	Heat insulation				Both liquid and gas pipes						
Air filter	Type				Removable / washable						
Air direction control				Left, right, up and downwards							
Temperature control				Microcomputer control							

2 Specifications

1 - 1 FTXF-D

Technical specifications		FTXF50D	FTXF60D	FTXF71D
Control systems	Infrared remote control		ARC470A1	
Control systems	Wired remote control		BRC073A1	

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

Standard accessories: Batteries; Quantity: 1;

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

Standard accessories: General safety precautions; Quantity: 1/6;

Electrical specifications		FTXF20D	FTXF25D	FTXF35D	FTXF42D
Power supply	Phase			1~	
	Frequency	Hz		50	
	Voltage	V		220-440	

Electrical specifications		FTXF50D		FTXF60D		FTXF71D	
Power supply	Name			V1			
	Phase			1~			
	Frequency	Hz		50			
	Voltage	V		220-240			
Current	Nominal running current (RLA) - 50Hz	Heating	A	0.34	0.37		0.40
	Nominal running current (RLA)	Cooling	A	0.32		0.34	

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

3

ATXF-D
FTXF20-42D

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Daikin Online Controller	BRP069B45		ATXF20C5V1B	20	R32 BMS	DTAS
Wired remote control	BRC073A1	①	ATXF25C5V1B	25	R32 BMS	
Extension cord for wired remote control (-3-m)	BRCW901A03		ATXF35C5V1B	35	R32 BMS	
Extension cord for wired remote control (-8-m)	BRCW901A08		ATXF42C5V1B	42	R32 BMS	
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		CTXF20C5V1B	20	R32 BMS	
Interface adaptor for DIII-NET	KRP928BB2S		CTXF25C5V1B	25	R32 BMS	
Central remote control	DCS302CA51		CTXF35C5V1B	35	R32 BMS	
Unified ON/OFF controller	DCS301BA51		FTXF20C5V1B	20	R32 BMS	
Schedule timer	DST301BA51		FTXF25C5V1B	25	R32 BMS	
Intelligent Touch Manager	DCM601A5A		FTXF35C5V1B	35	R32 BMS	
Modbus interface	EKMBDXA		FTXF42C5V1B	42	R32 BMS	
Modbus gateway	RTD-RA		ATXF20D5V1B	20	R32 BMS	
KNX interface	KLIC-DD		ATXF25D5V1B	25	R32 BMS	
Titanium apatite deodorising filter without frame	KAF970A46		ATXF35D5V1B	35	R32 BMS	
Silver particle filter (Ag-ion) with frame	KAF057A41		ATXF42D5V1B	42	R32 BMS	
Conversion wire harness	EKRS21		FTXF20D5V1B	20	R32 BMS	
			FTXF25D5V1B	25	R32 BMS	
			FTXF35D5V1B	35	R32 BMS	
			FTXF42D5V1B	42	R32 BMS	

NOTES

- This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit. When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.

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3 Options

3 - 1 Options

FTXF50-71D

Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTXF50D2V1B	50	BML	DICz
Wired remote control	BRC944B2		FTXF60D2V1B	60	BML	DICz
Extension cord for wired remote control (-3-m)	BRCW901A03		FTXF71D2V1B	71	BML	DICz
Extension cord for wired remote control (-5-m)	BRCW901A08					
Interface adaptor for wired remote control	KRP980B1					
Interface adaptor for wired remote control	EKRP067A41					
Interface adaptor for wired remote control	EKRP980B2					
Centralised control board (up to -5- rooms)	KRC72A					
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S					
Wi-Fi adaptor for smartphones	BRP069B41	④ ⑤				
Wi-Fi adaptor for smartphones	BRP069B42	⑤				
Wi-Fi adaptor for smartphones	BRP069B43	⑤				
Wi-Fi adaptor for smartphones	BRP069A44	⑥				
Wi-Fi adaptor for smartphones	BRP069B45	⑤				
Interface adaptor for DIII-NET	KRP928BB2S					
Central remote control	DCS302CA51					
Unified ON/OFF controller	DCS301BA51					
Schedule timer	DST301BA51					
Titanium apatite deodorising filter without frame	KAF971A42	①				
Titanium apatite deodorising filter without frame	KAF952B42	③				
Titanium apatite deodorising filter without frame	KAF970A46	②				
Honeycomb deodorising and air-purifying filter without frame	KAF968A42					
Honeycomb deodorising filter with frame	KAZ917B41					
Honeycomb deodorising filter without frame	KAZ917B42					
Air-purifying filter with frame	KAF925B41					
Honeycomb deodorising and air-purifying filter with frame	KAF046A41					
Anti-theft protection for remote control	KKF910AA4					
Anti-theft protection for remote control	KKF917AA4					
Anti-theft protection for remote control	KKF936A4					
Installation frame for floor-standing units	BKS028A4					
Optional remote control BRC480A54 for heating-only indoor units	BRC54A	⑦				

LEGEND

- ① Three-dimensional knitted fabric (-42x275-mm) + activated charcoal net
- ② Three-dimensional knitted fabric (-42x255-mm) + activated charcoal net
- ③ Corrugated fiberboard (-42x275-mm)
- ④ Without connection cable
- ⑤ Option -BRP069A**, was replaced by option -BRP069B**.
- ⑥ This option is no longer produced.
- ⑦ Only for France

NOTES

- 1. R32 models

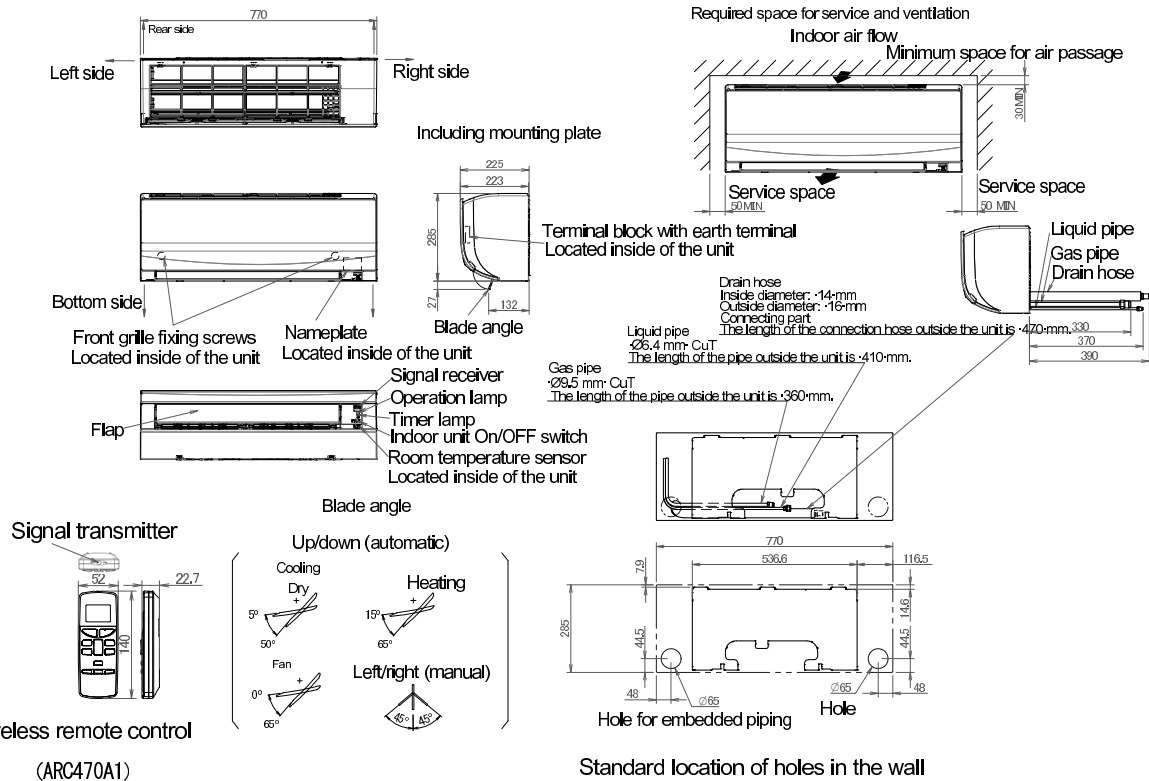
3D095173S

4 Dimensional drawings

4 - 1 Dimensional Drawings

ATXF-D FTXF20-42D

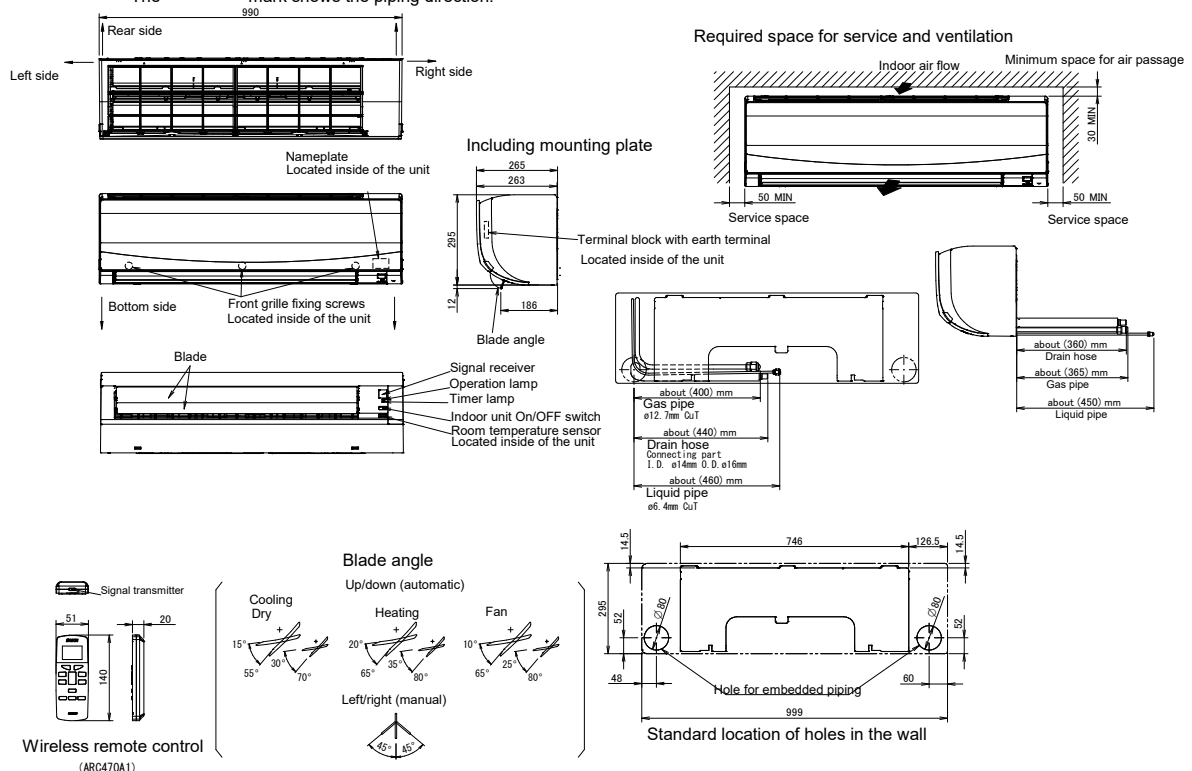
The · — · mark shows the piping direction.



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FTXF50-71D

The · — · mark shows the piping direction.



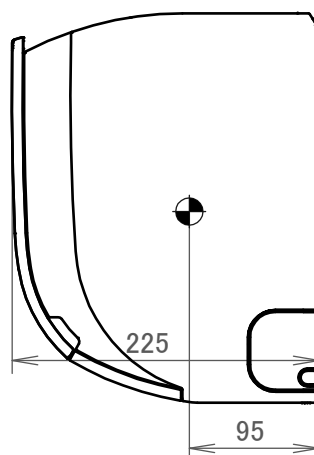
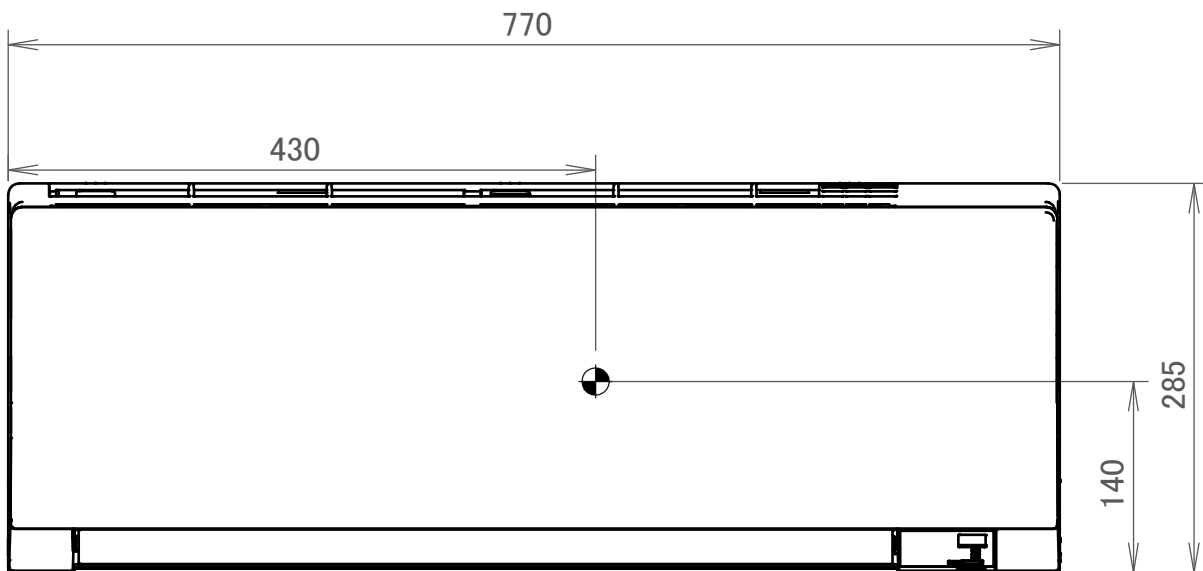
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5 Centre of gravity

5 - 1 Centre of Gravity

ATXF-D
FTXF20-42D

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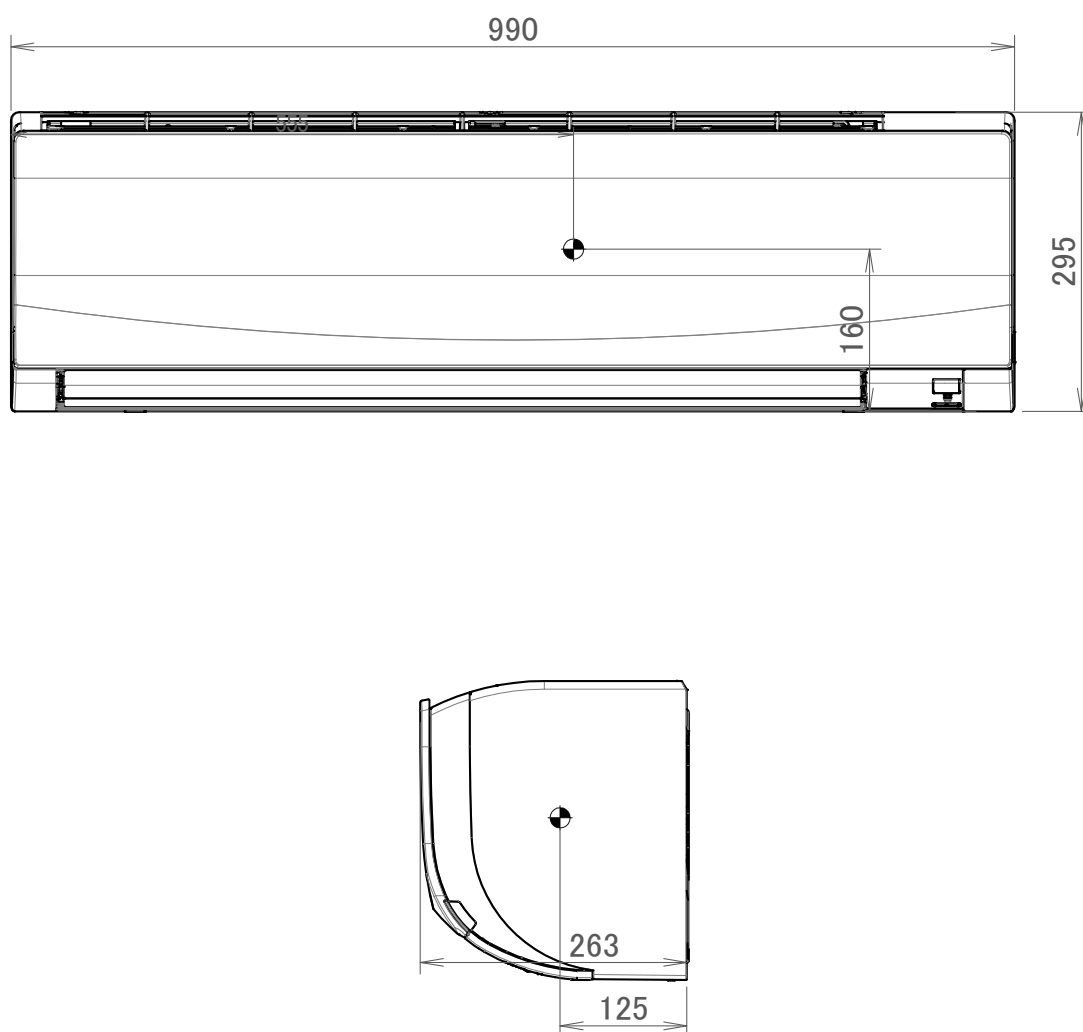
4D094235D

5 Centre of gravity

5 - 1 Centre of Gravity

FTXF50-71D

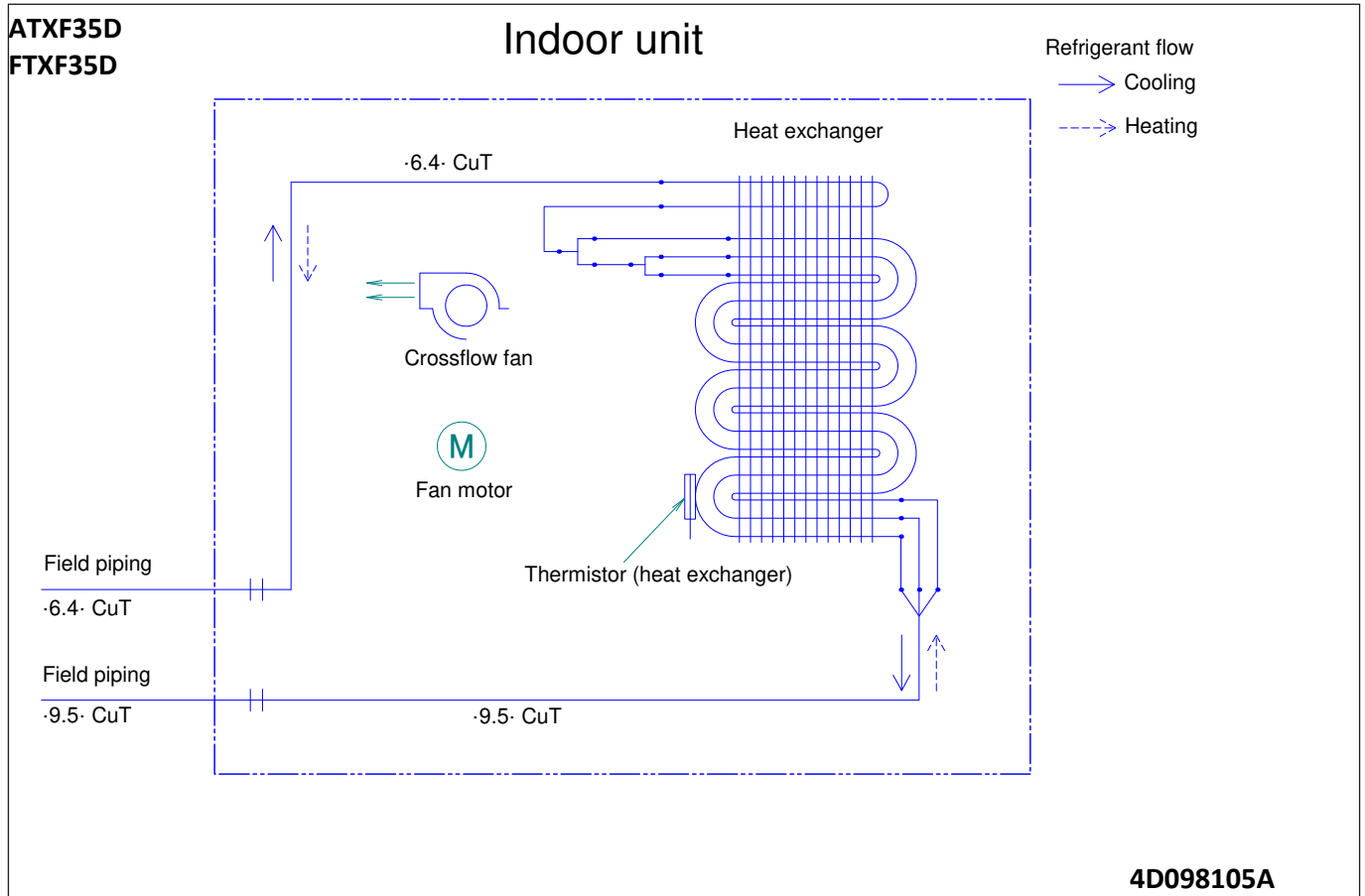
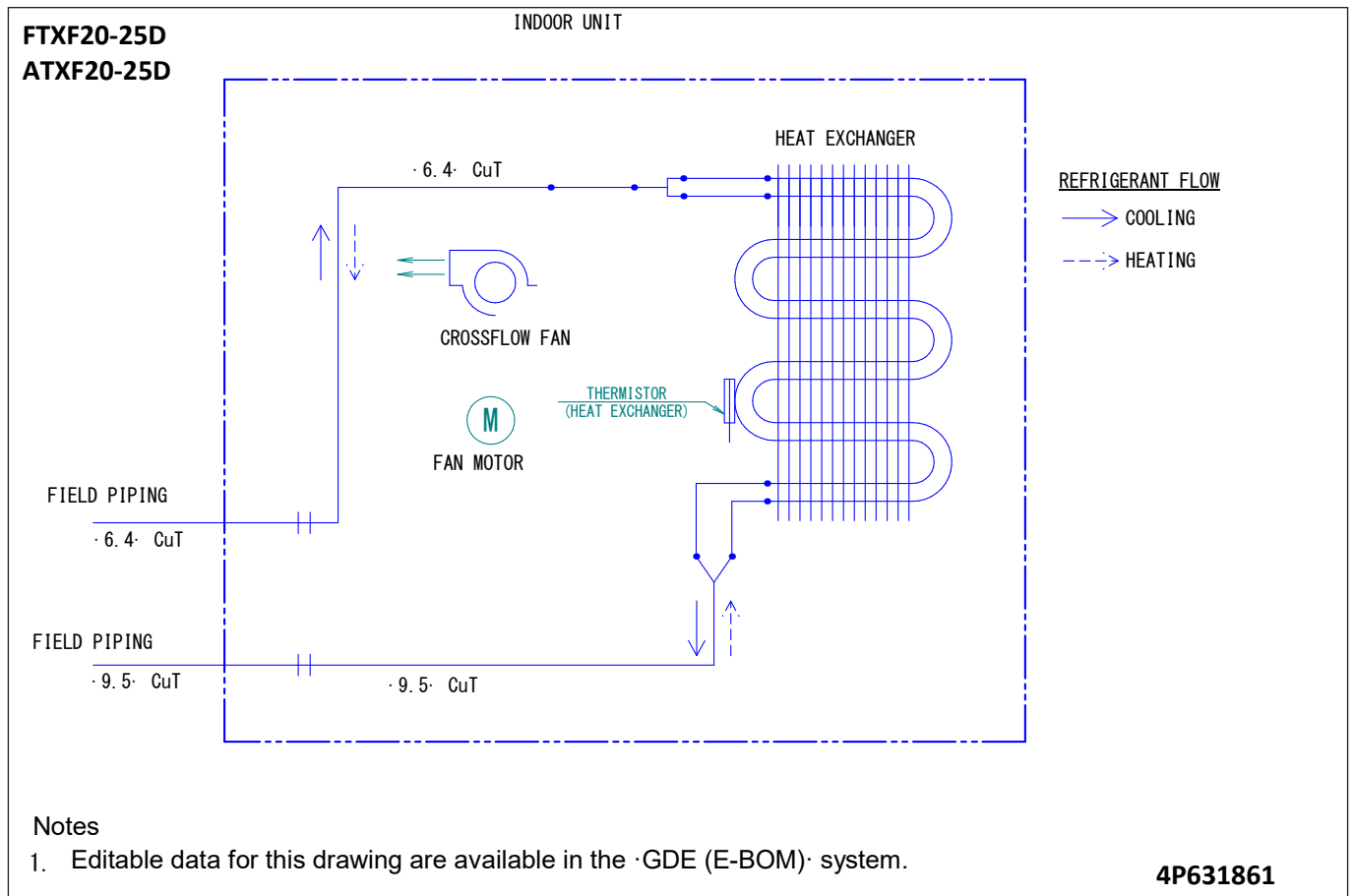
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4D113531

6 Piping diagrams

6 - 1 Piping Diagrams

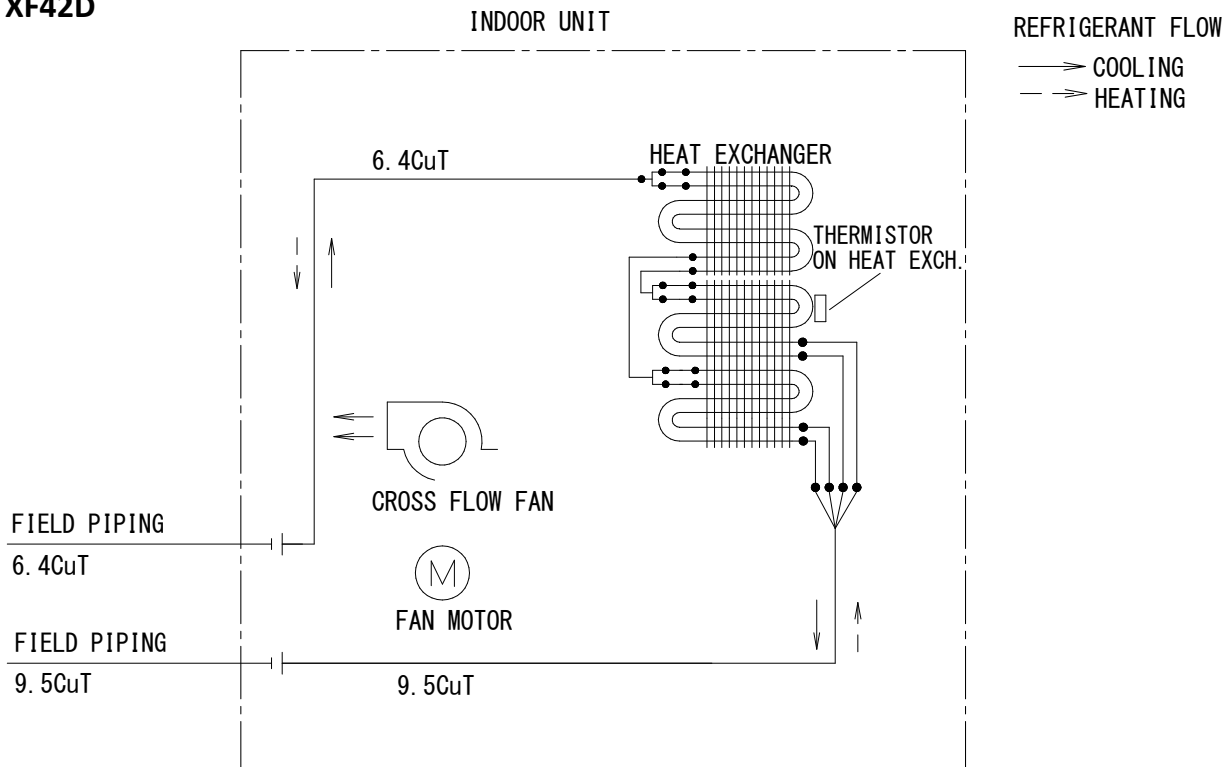


6 Piping diagrams

6 - 1 Piping Diagrams

6

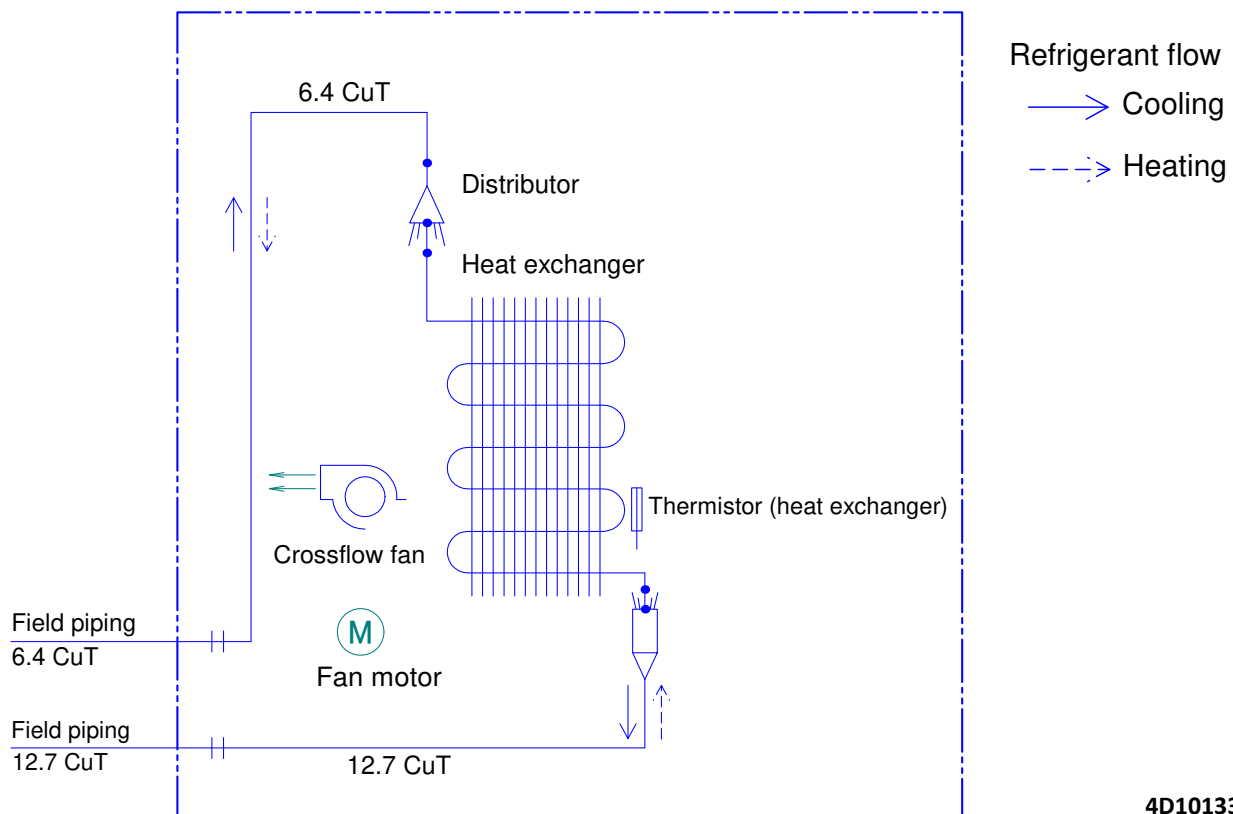
ATXF42D
FTXF42D



3D130682

FTXF50-71D

Indoor unit



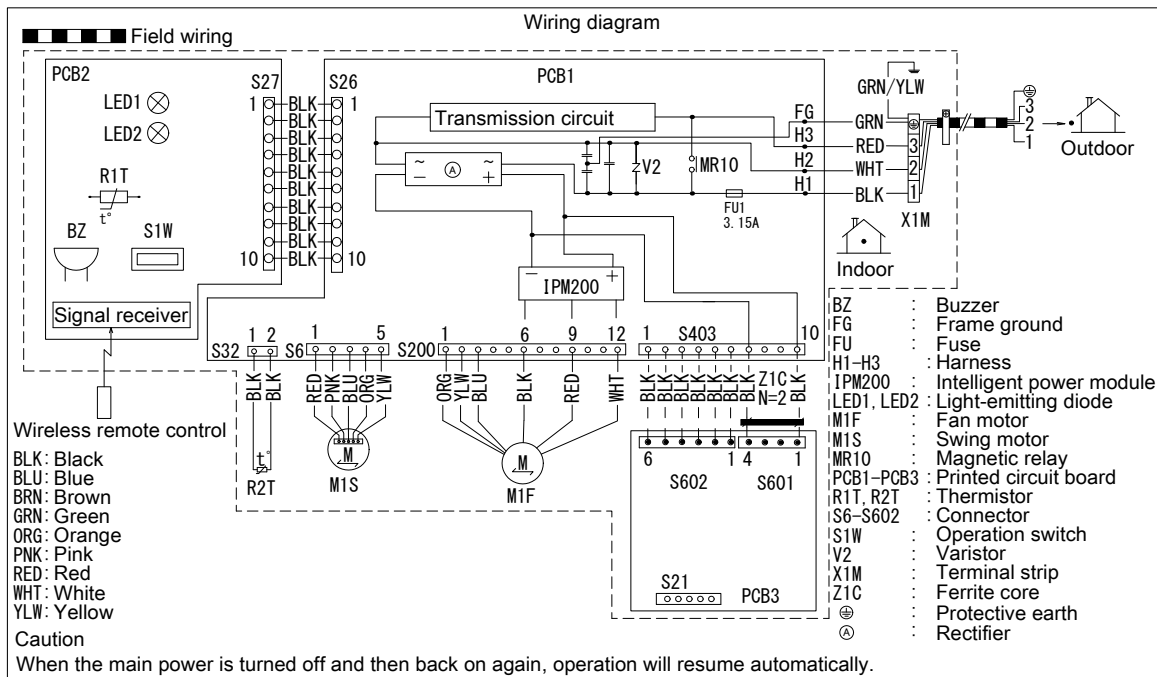
4D101332D

7 Wiring diagrams

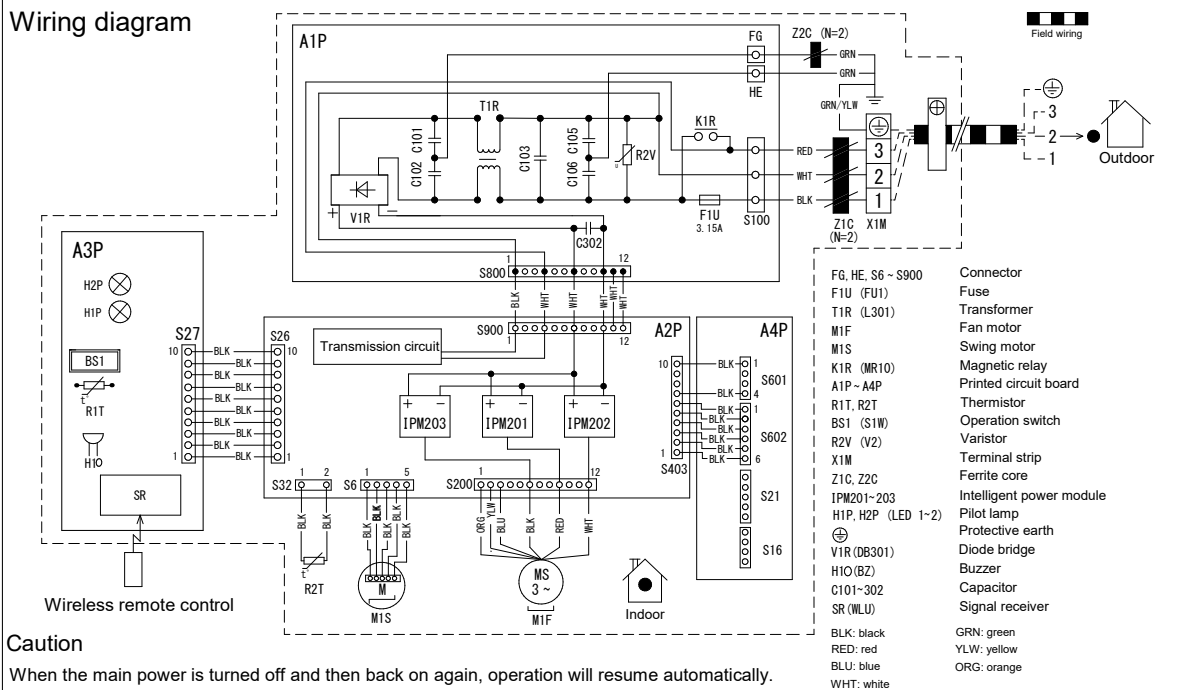
7 - 1 Wiring Diagrams - Single Phase

ATXF-D

FTXF20-42D



FTXF50-71D



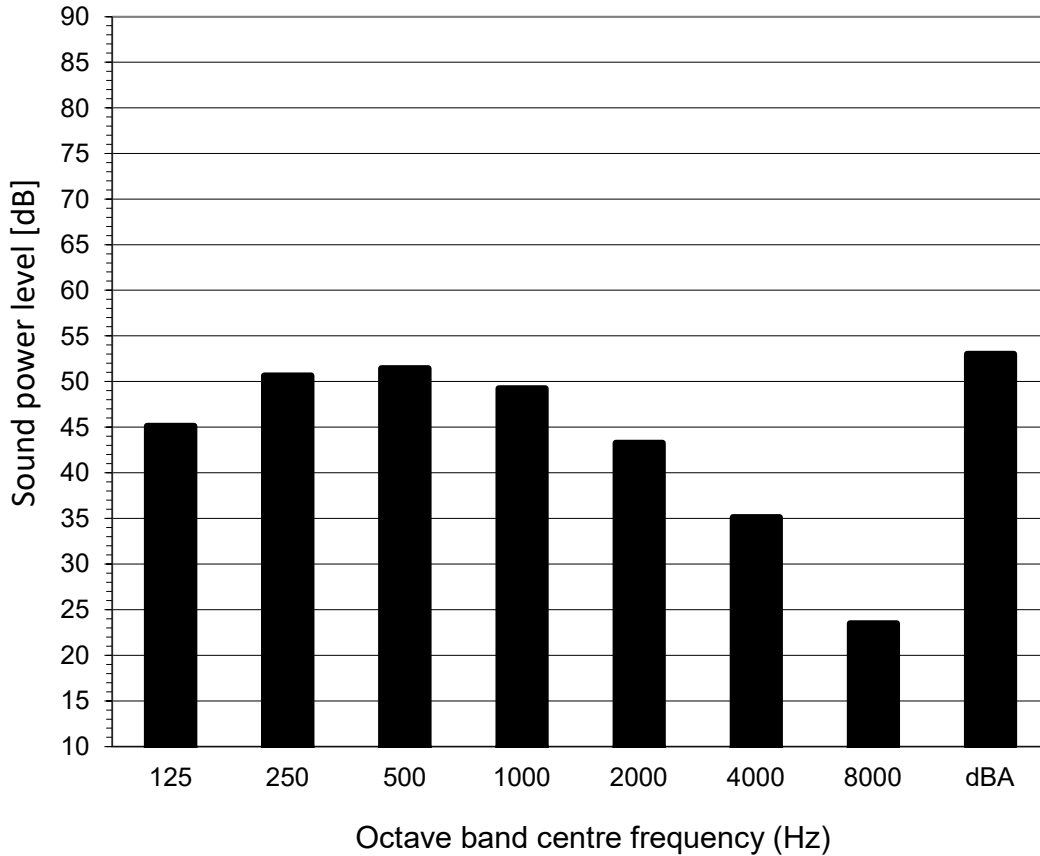
8 Sound data

8 - 1 Sound Power Spectrum

8

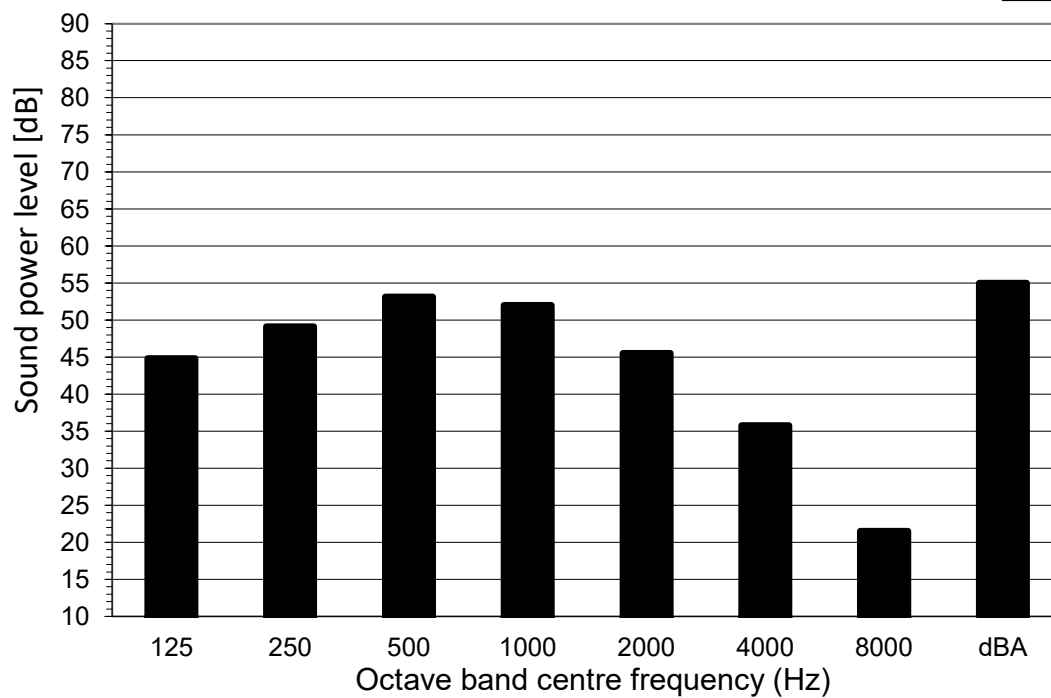
ATXF20D
FTXF20D

Cooling mode



Heating mode

Fan Speed
High



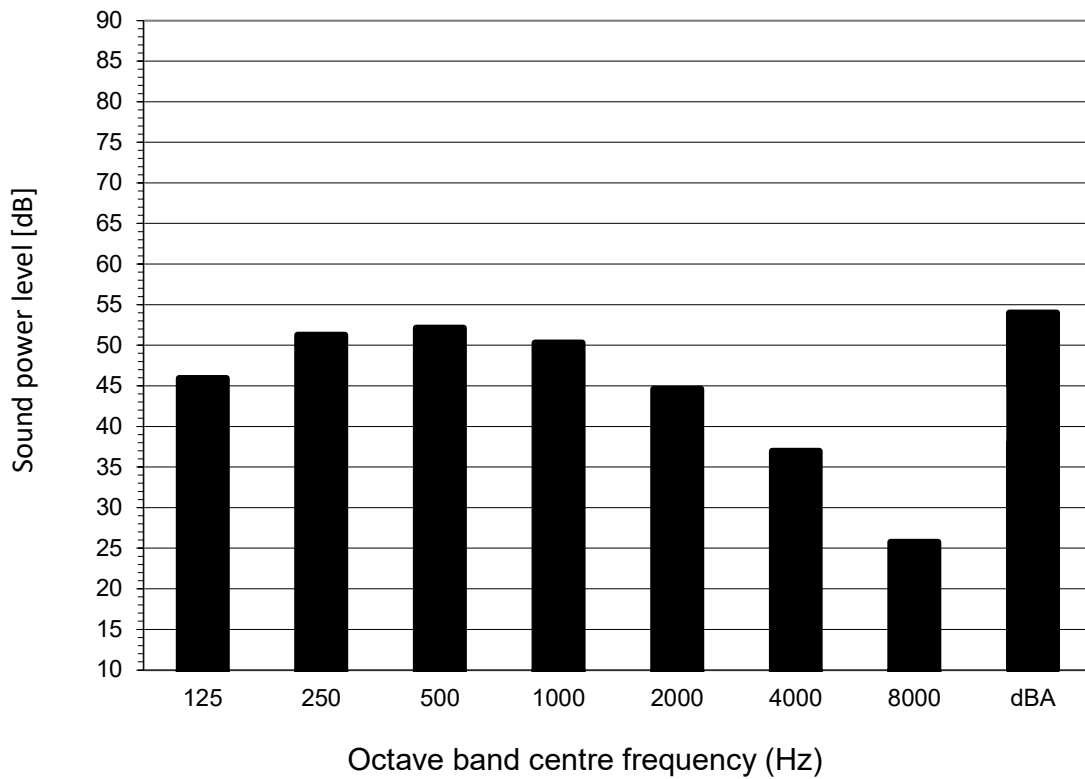
4D131985

8 Sound data

8 - 1 Sound Power Spectrum

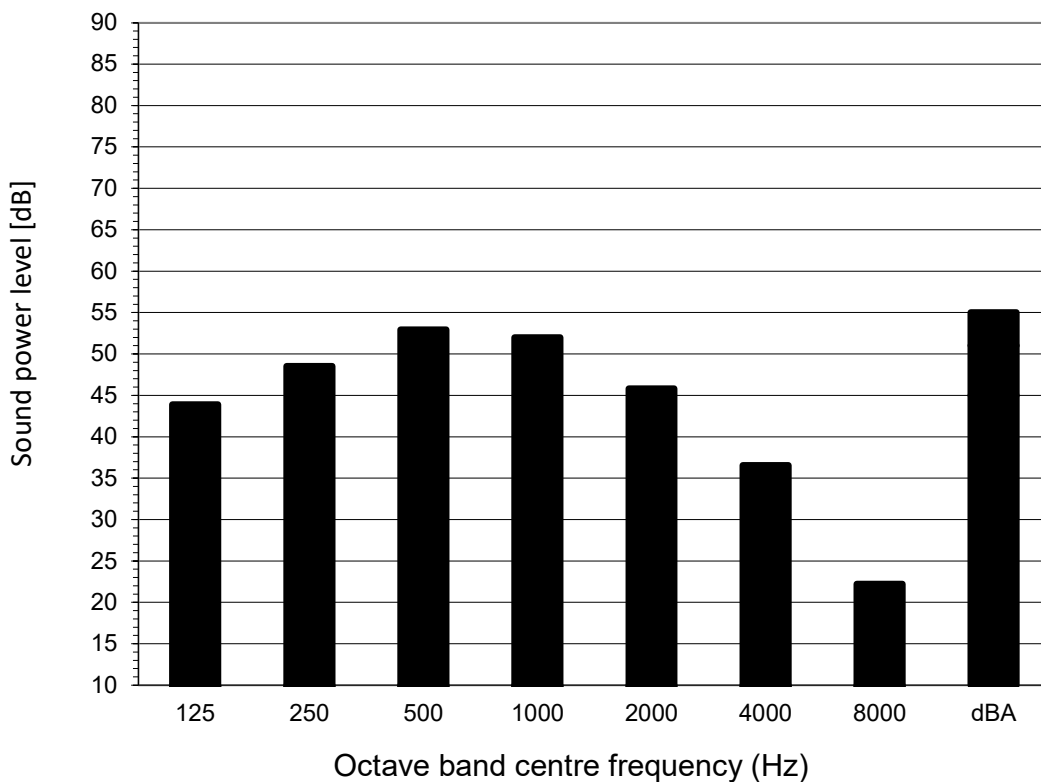
ATXF25D

FTXF25D Cooling mode



Heating mode

Fan Speed
High



4D131987

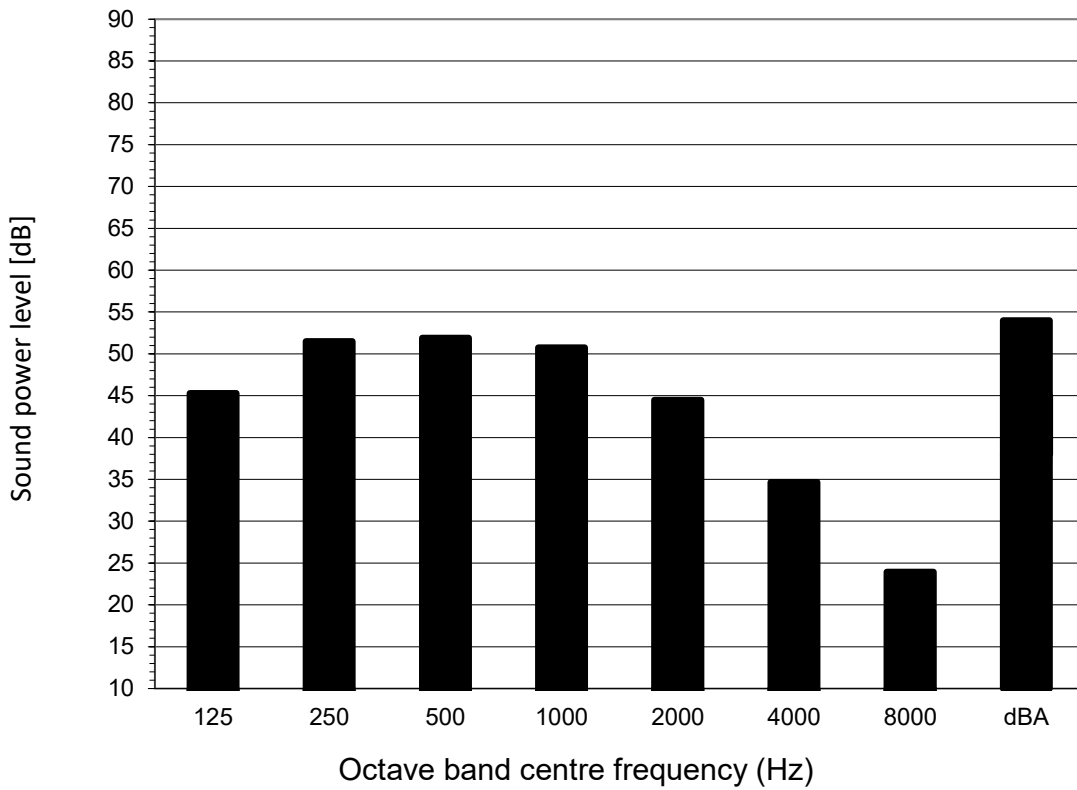
8 Sound data

8 - 1 Sound Power Spectrum

8

ATXF35D
FTXF35D

Cooling mode

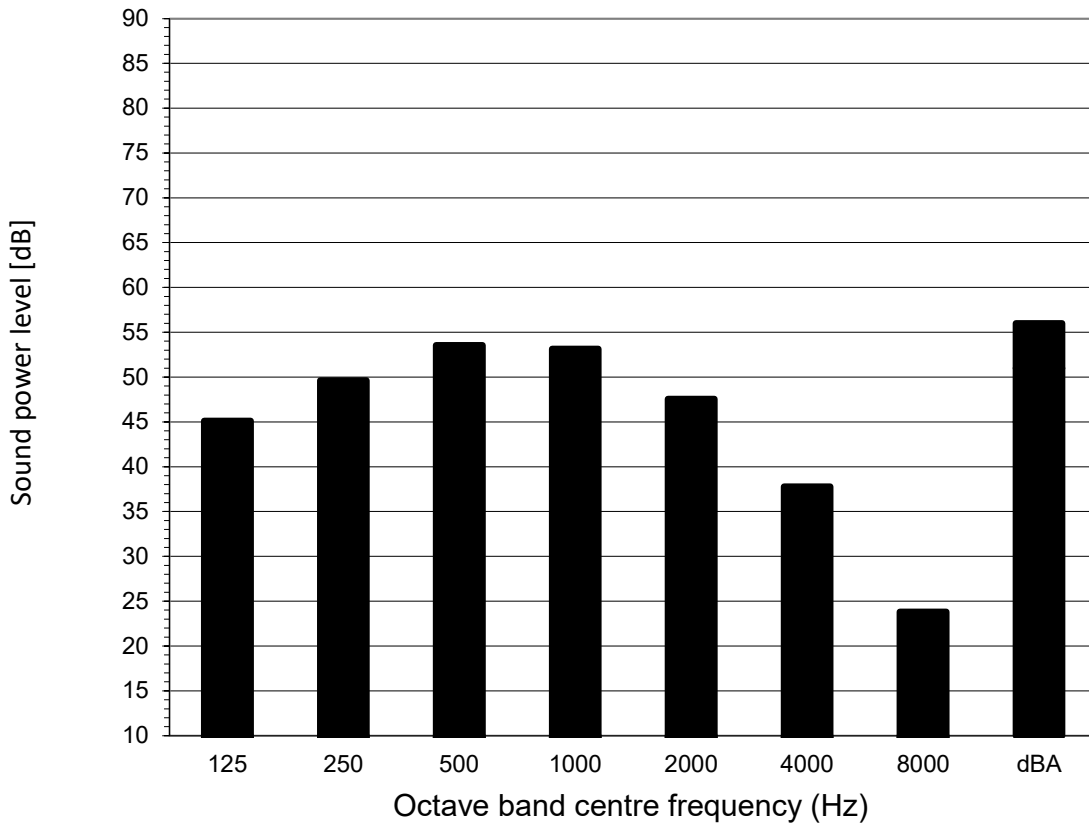


Heating mode

Fan Speed



High



4D131988

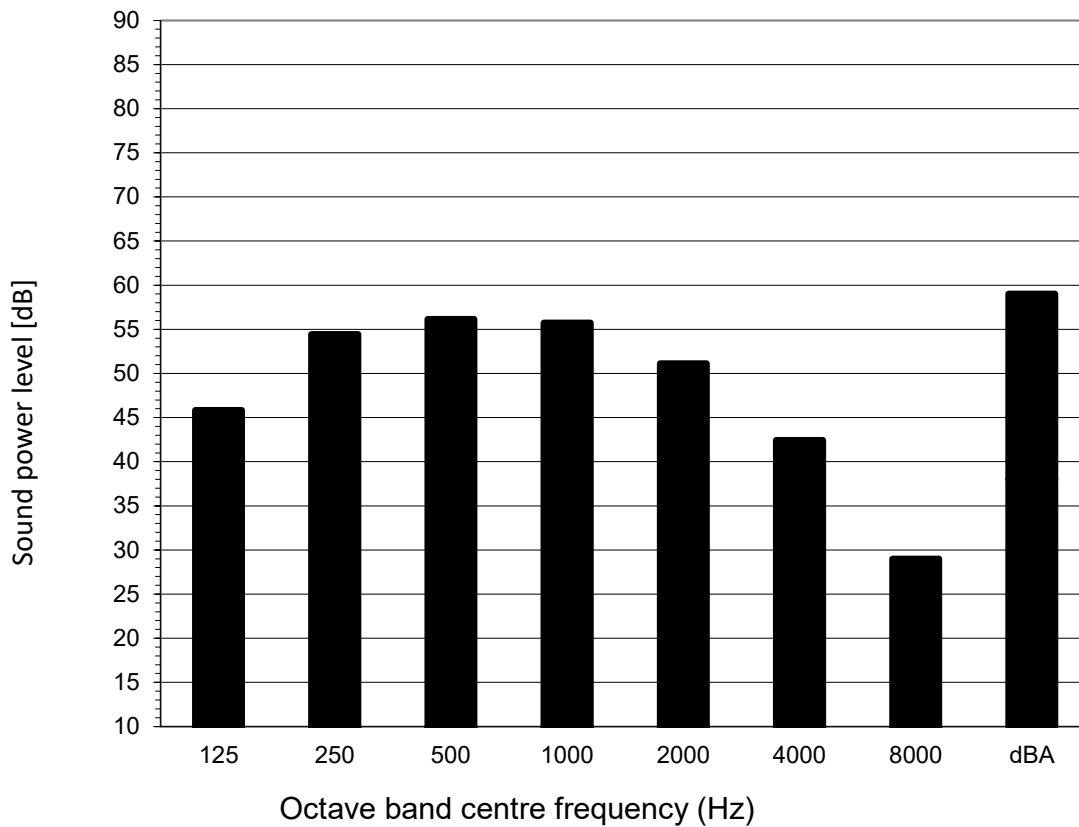
8 Sound data

8 - 1 Sound Power Spectrum

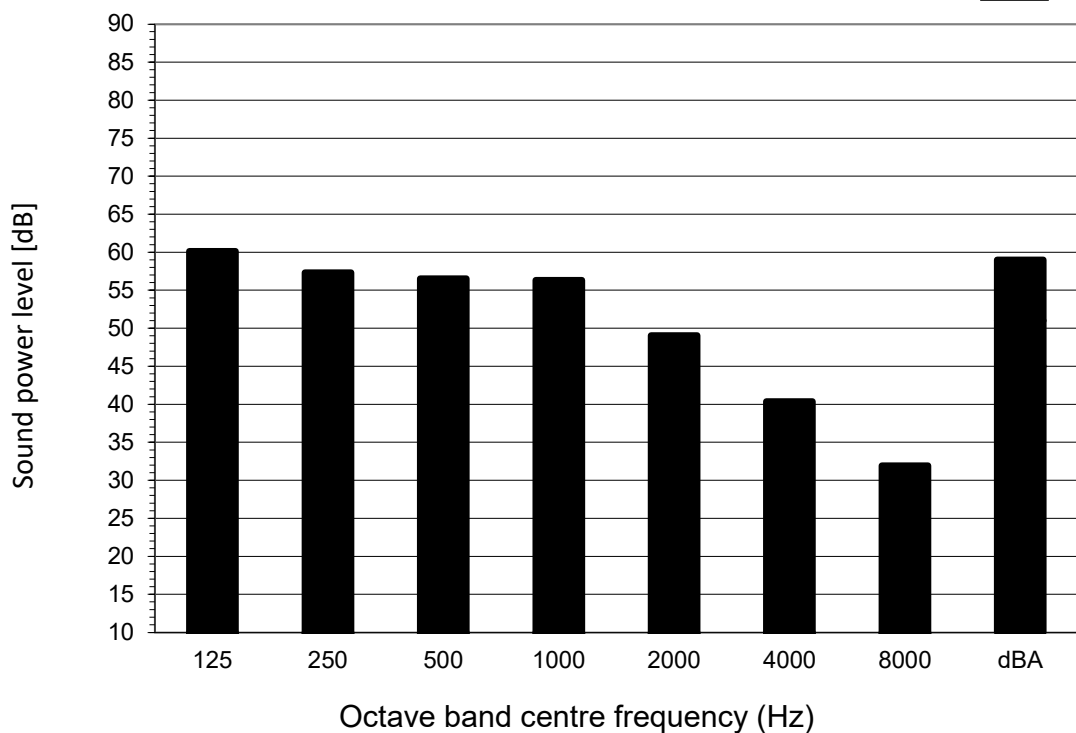
ATXF42D

FTXF42D

Cooling mode



Heating mode



Fan Speed



High

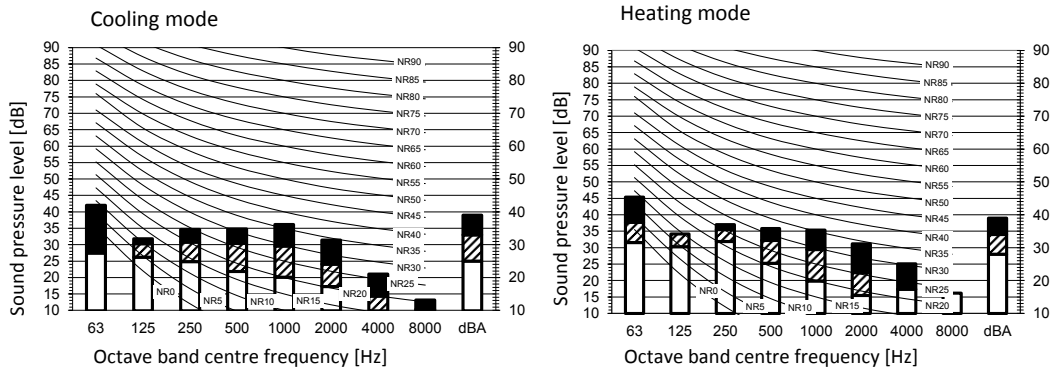
4D131989

8 Sound data

8 - 2 Sound Pressure Spectrum

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ATXF20D FTXF20D



Legend

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

A Scale Fan speed

B High

C Medium

D Low

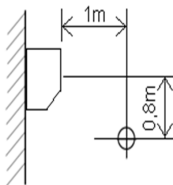
Cooling			
Total dB			
A	B	C	D
dBA	39	33	25

Heating			
Total dB			
A	B	C	D
dBA	39	34	28

Notes

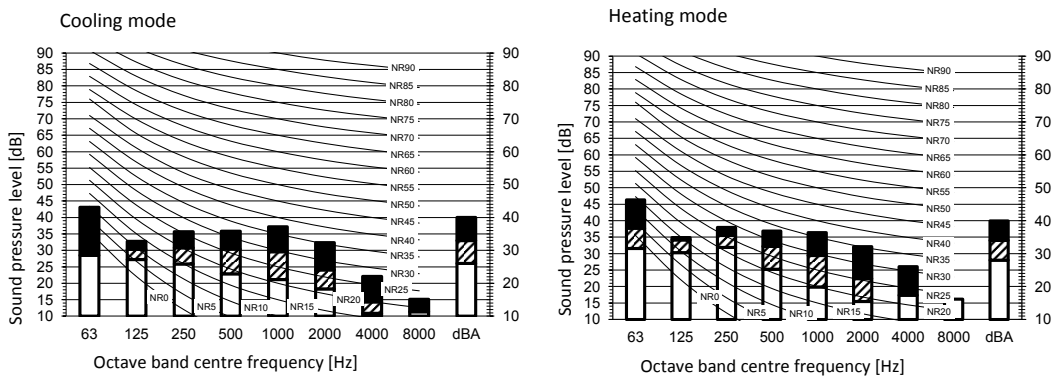
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

Location of microphone



3D108789A

ATXF25D FTXF25D



Legend

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

A Scale Fan speed

B High

C Medium

D Low

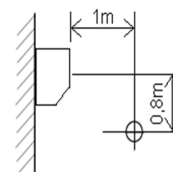
Cooling			
Total dB			
A	B	C	D
dBA	40	33	26

Heating			
Total dB			
A	B	C	D
dBA	40	34	28

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

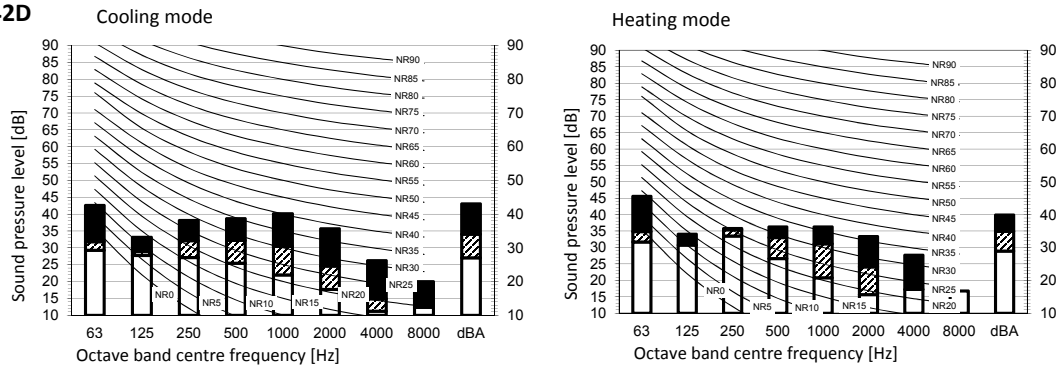


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8 Sound data

8 - 2 Sound Pressure Spectrum

ATXF35-42D FTXF35-42D

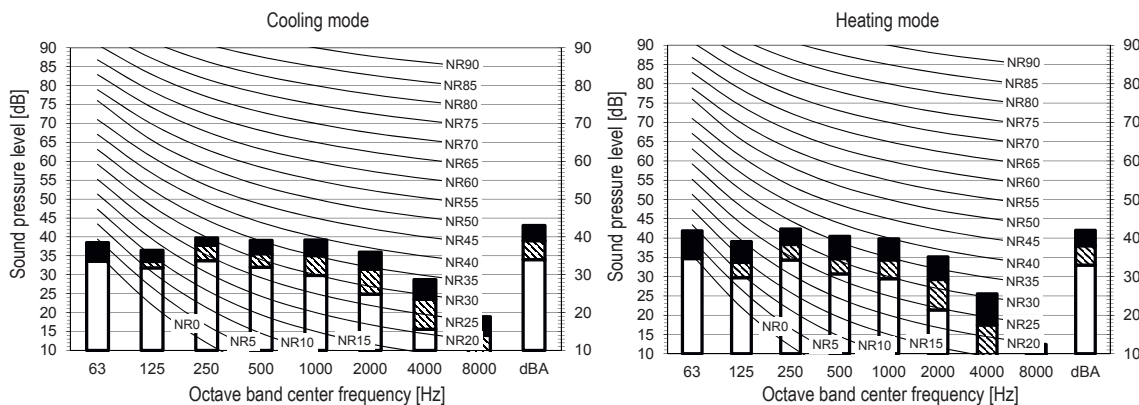


Cooling				Heating			
Total dB				Total dB			
A	B	C	D	A	B	C	D
dBA	43	34	27	dBA	40	35	29

- 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

3D108791A

FTXF50D



Cooling				Heating			
Total db				Total dB			
A	B	C	D	A	B	C	D
dBA	43	39	34	dBA	42	38	33

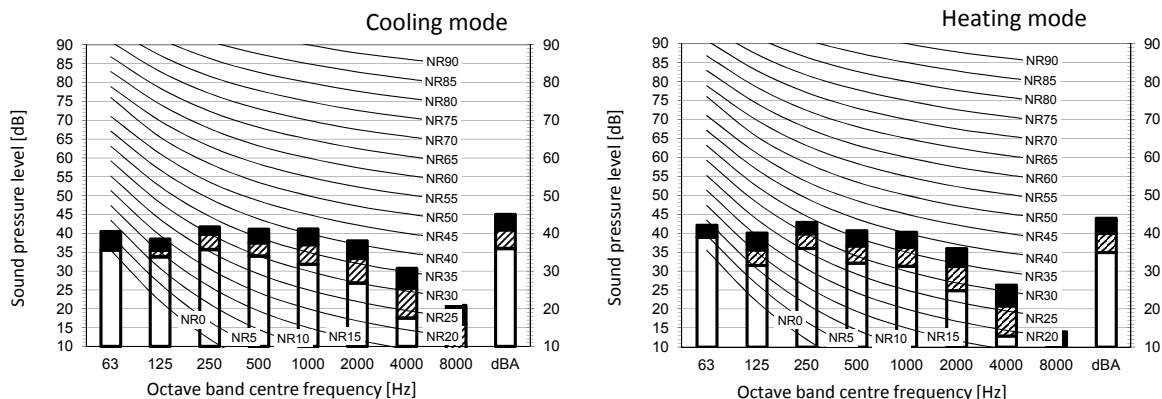
- NOTES
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic chamber
 - Editable data for this drawing are available in the GDE (E-BOM) system.

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8 Sound data

8 - 2 Sound Pressure Spectrum

FTXF60D



Cooling		Total dB	
A	B	C	D
dBA	45	41	36

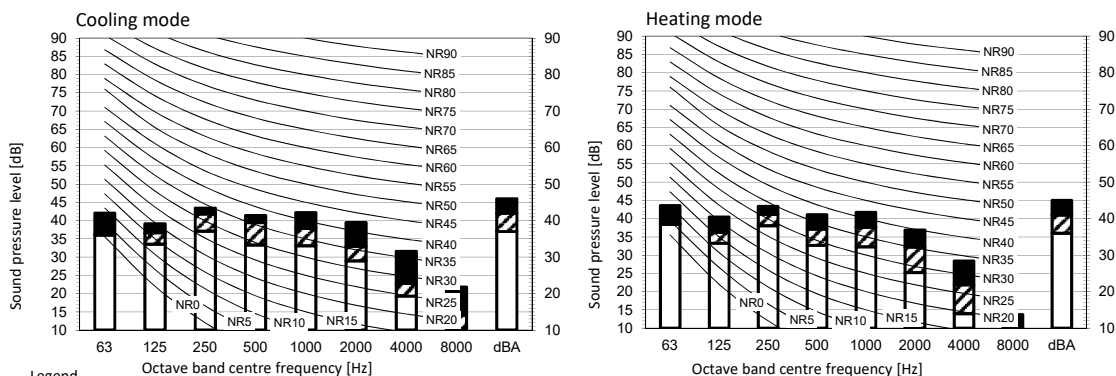
Heating		Total dB	
A	B	C	D
dBA	44	40	35

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

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FTXF71D



Cooling		Total dB	
A	B	C	D
dBA	46	42	37

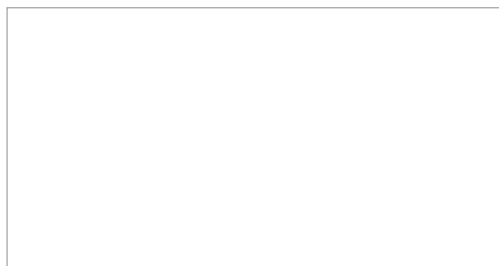
Heating		Total dB	
A	B	C	D
dBA	45	41	36

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

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