

Wall mounted unit Air Conditioning Technical Data FTXF-D



FTXF20D5V1B
FTXF25D5V1B
FTXF35D5V1B
FTXF42D5V1B
FTXF50D2V1B
FTXF60D2V1B
FTXF71D2V1B

TABLE OF CONTENTS

FTXF-D

1	Features	4
	FTXF-D	4
2	Specifications	5
3	Options	8
4	Dimensional drawings	10
5	Centre of gravity	11
6	Piping diagrams	13
7	Wiring diagrams	15
	Wiring Diagrams - Single Phase	15
8	Sound data	16
	Sound Power Spectrum	16
	Sound Pressure Spectrum	20

1 Features

1 - 1 FTXF-D

Wall mounted unit for low energy consumption and pleasant comfort

1

- › 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	Cooling	High	rpm	1,000	1,020		1,120		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				
			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				
				Medium	rpm	920		940			
			Low	rpm	790		810				
				Silent operation	rpm	720		730			
		Heating	High	rpm	1,070		1,100				
				Medium	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.

3D131704A

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

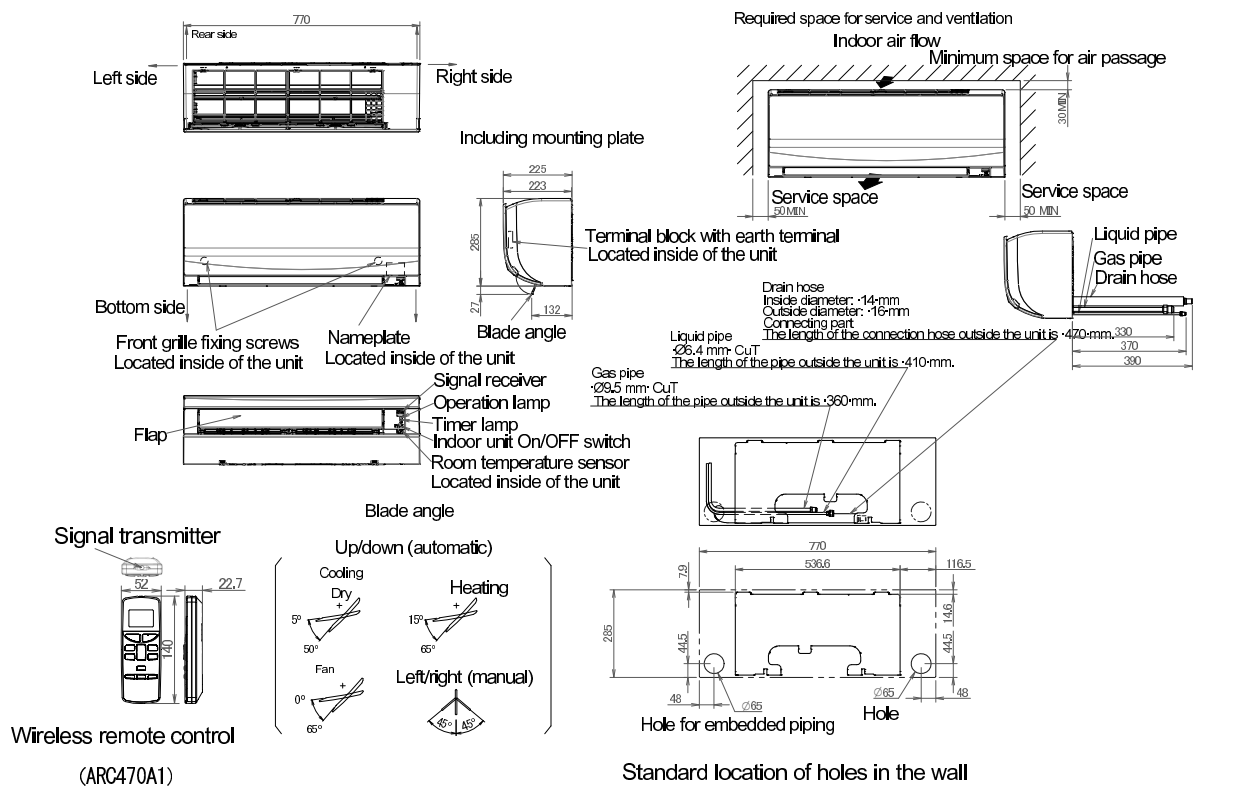
- 1. R32 models

3D095173S

4 - 1 Dimensional Drawings

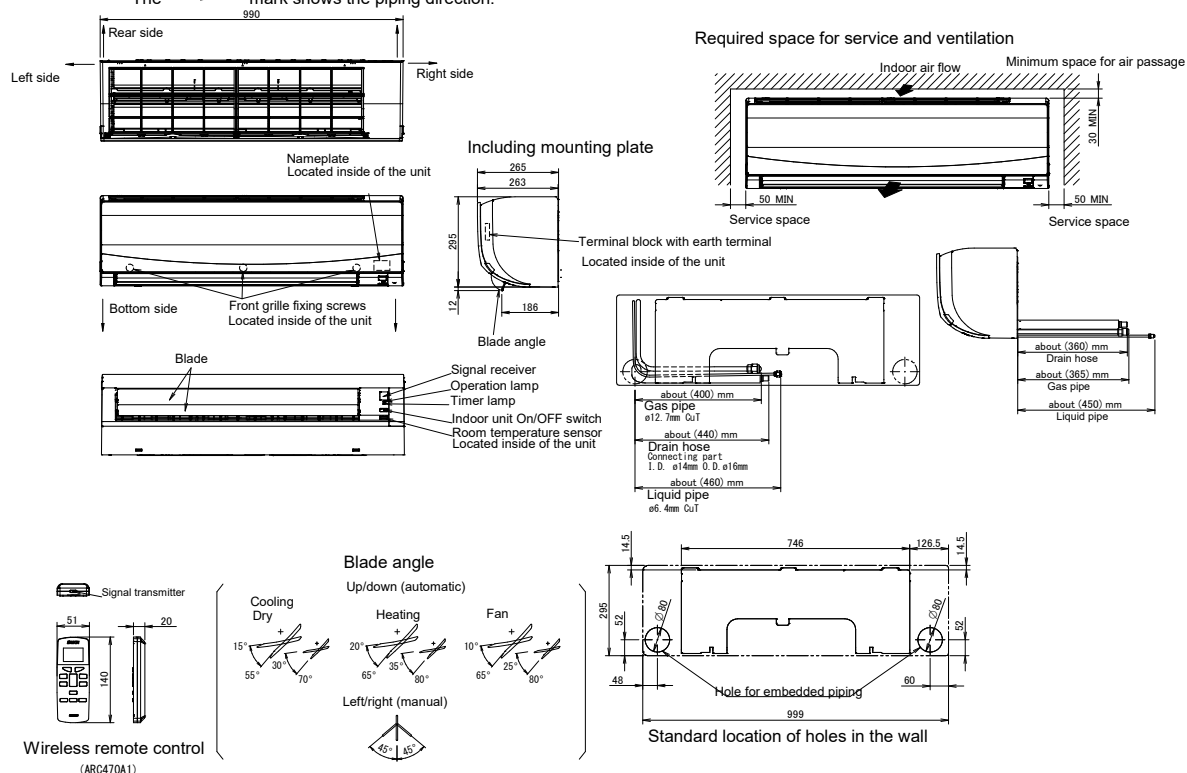
4

The mark shows the piping direction.



3D113368

The $\cdot \longrightarrow \cdot$ mark shows the piping direction.



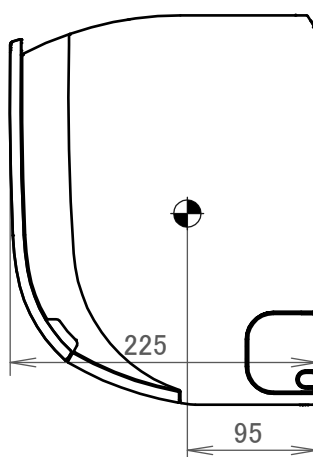
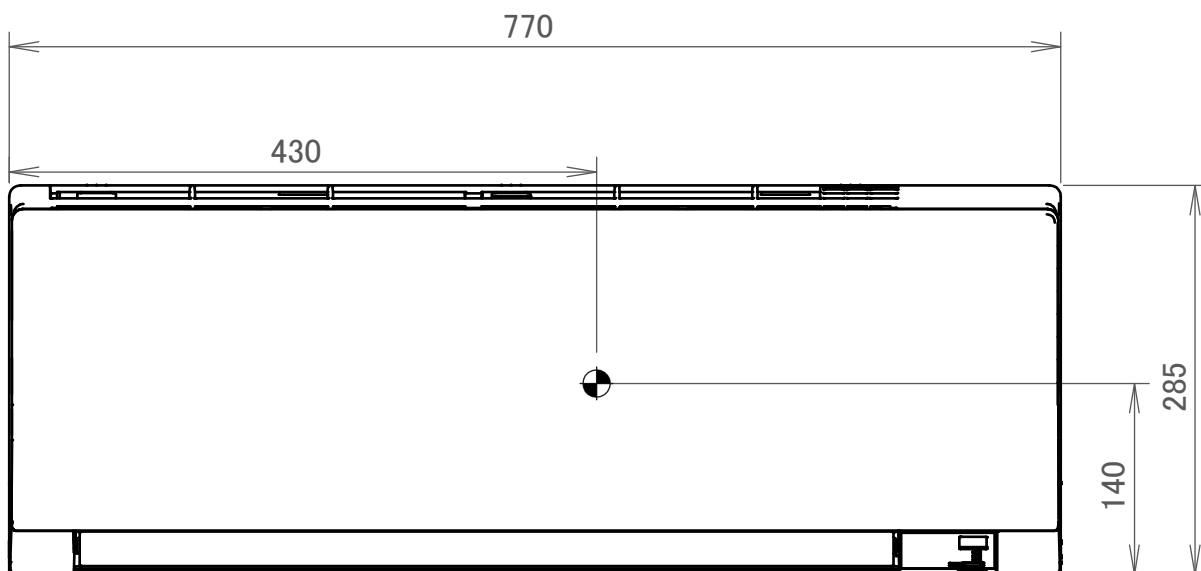
3D113369A

5 Centre of gravity

5 - 1 Centre of Gravity

ATXF-D
FTXF20-42D

5



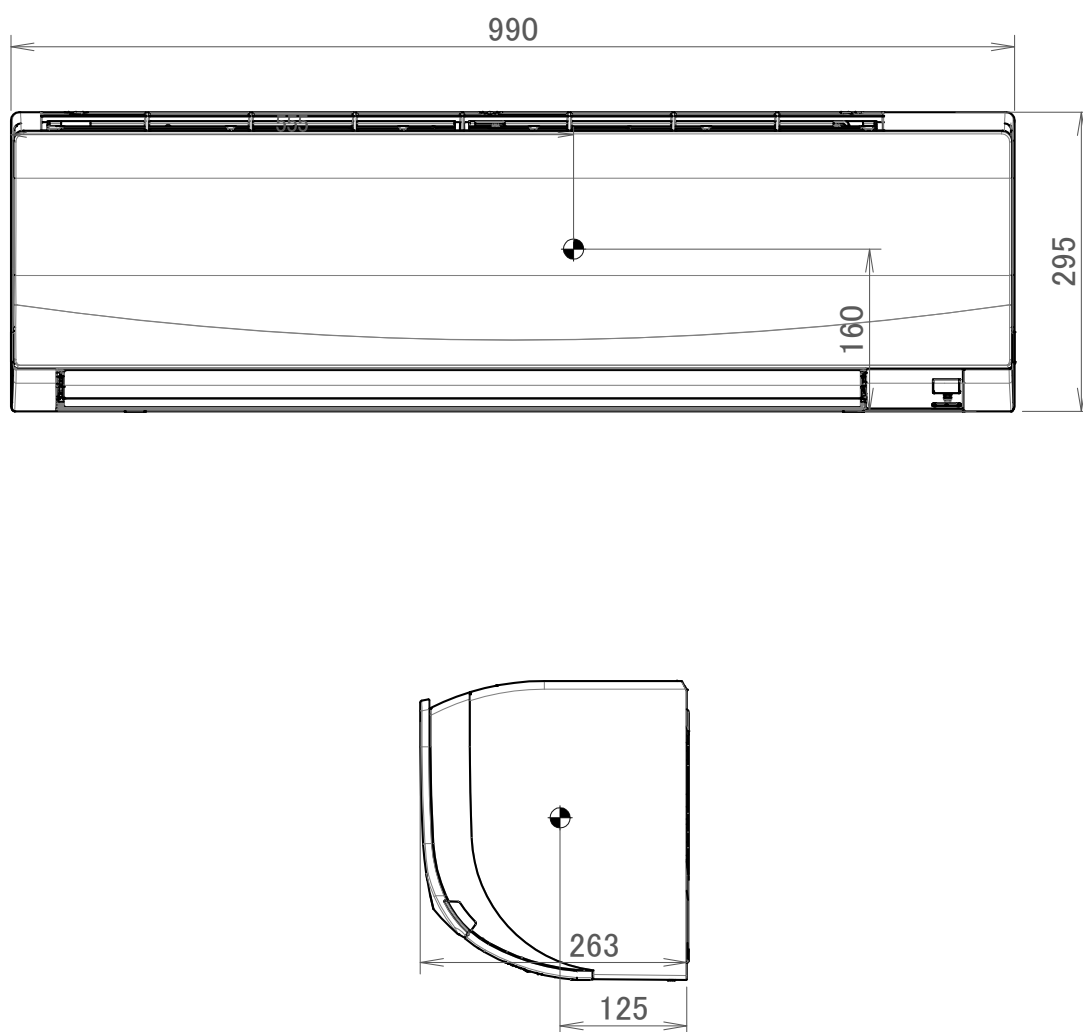
4D094235D

5 Centre of gravity

5 - 1 Centre of Gravity

FTXF50-71D

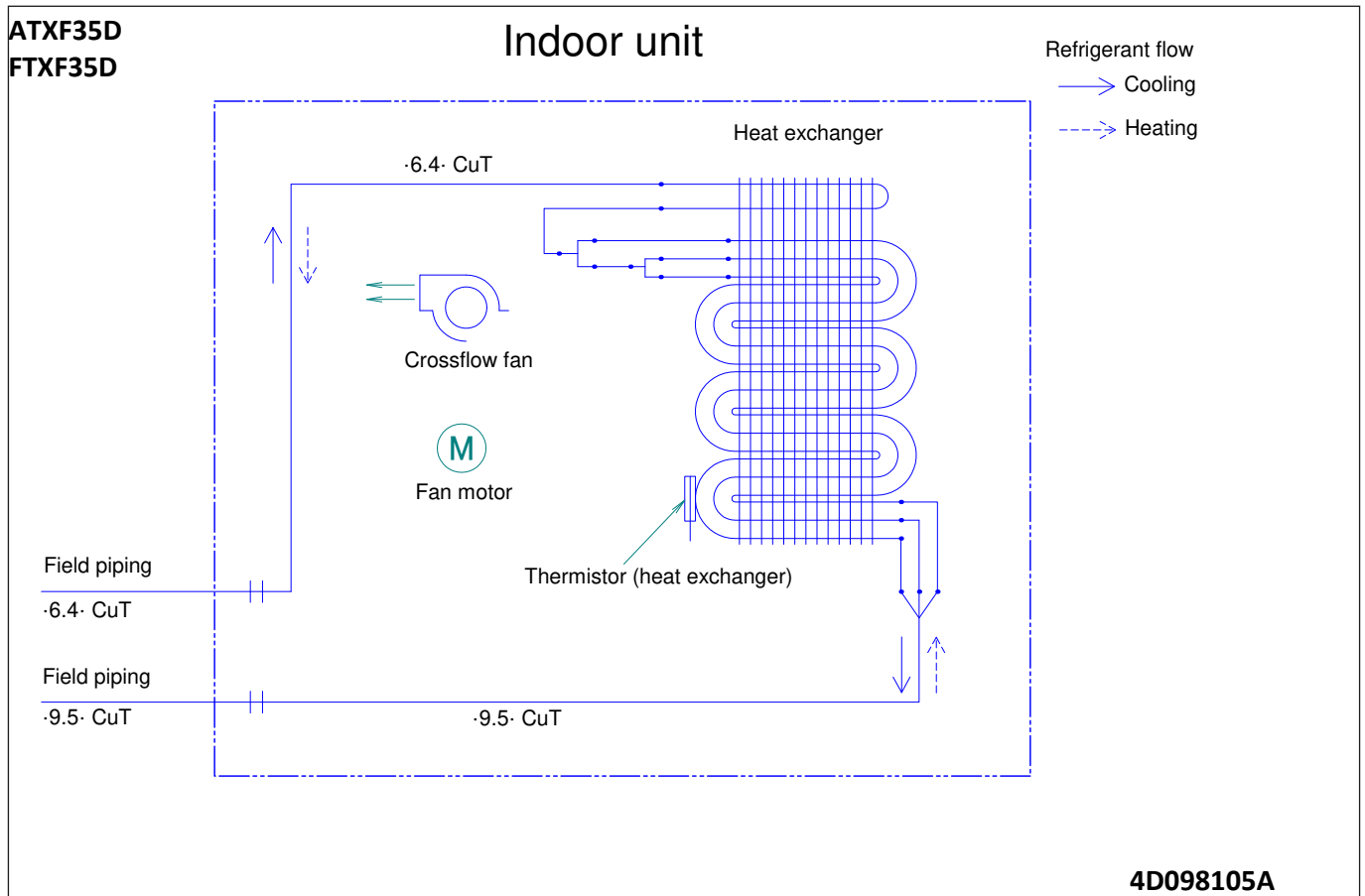
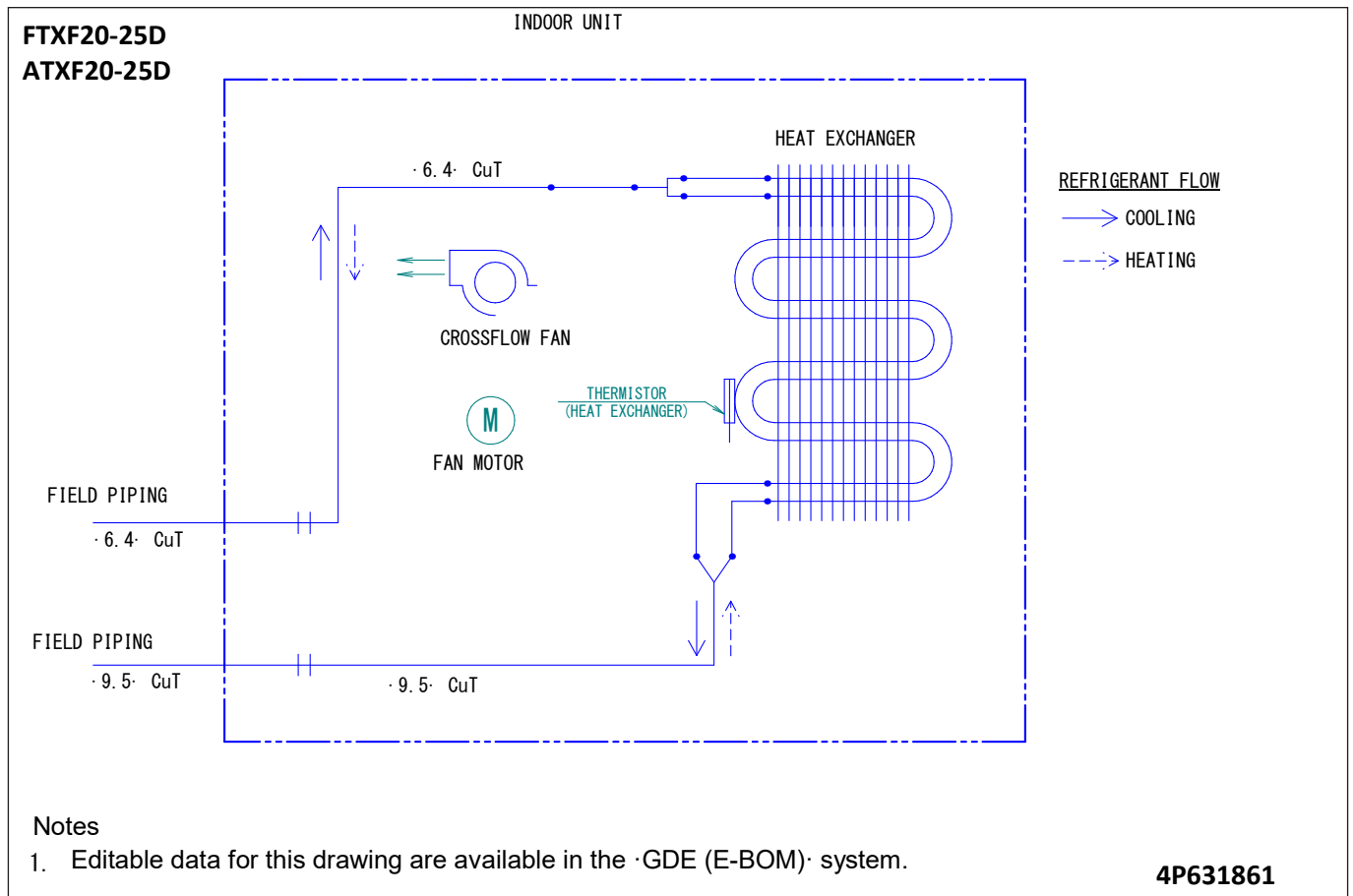
5



4D113531

6 Piping diagrams

6 - 1 Piping Diagrams

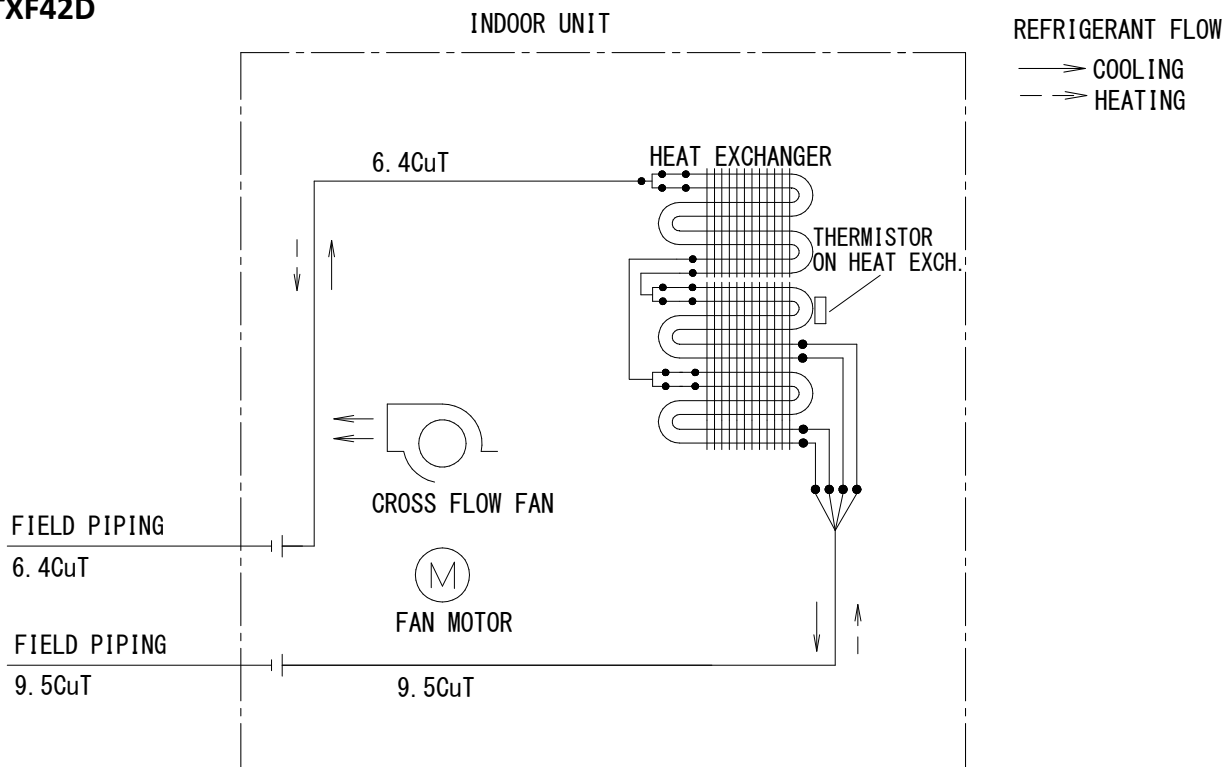


6 Piping diagrams

6 - 1 Piping Diagrams

6

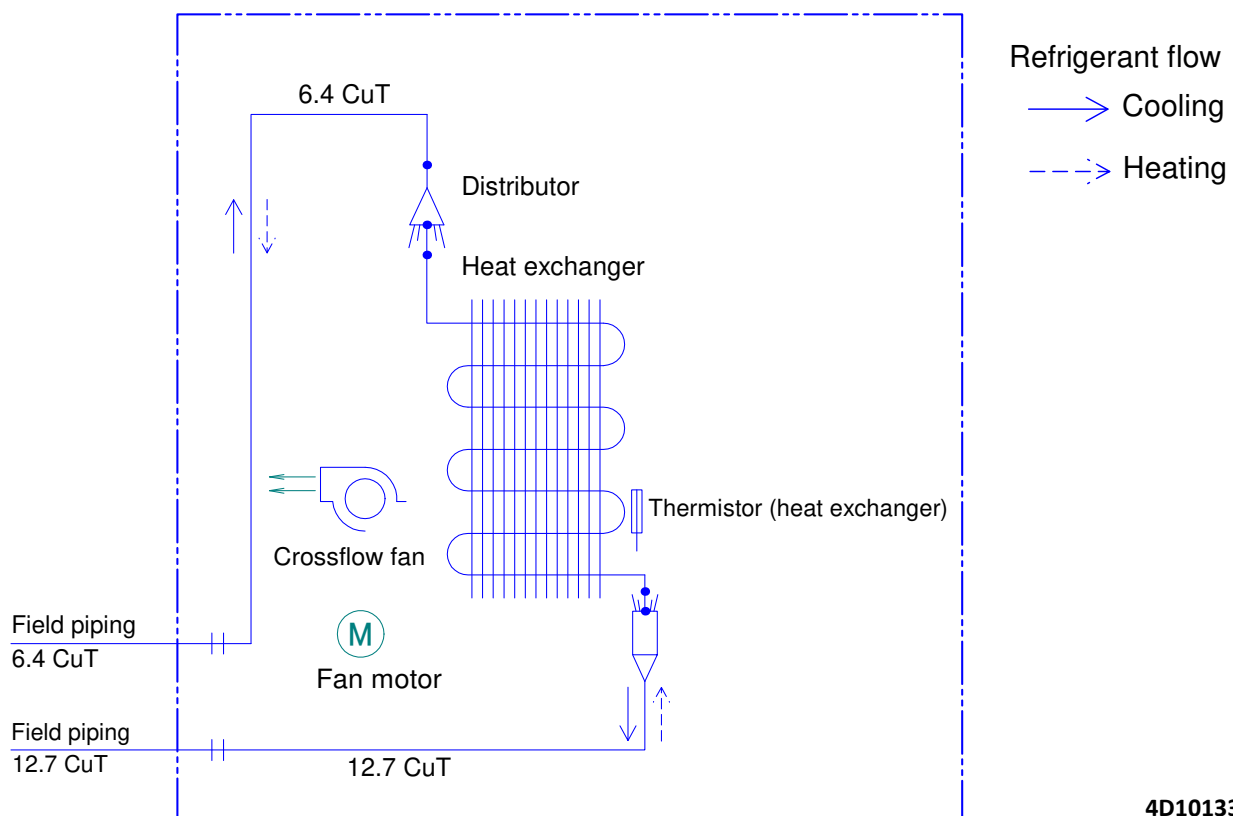
ATXF42D
FTXF42D



3D130682

FTXF50-71D

Indoor unit



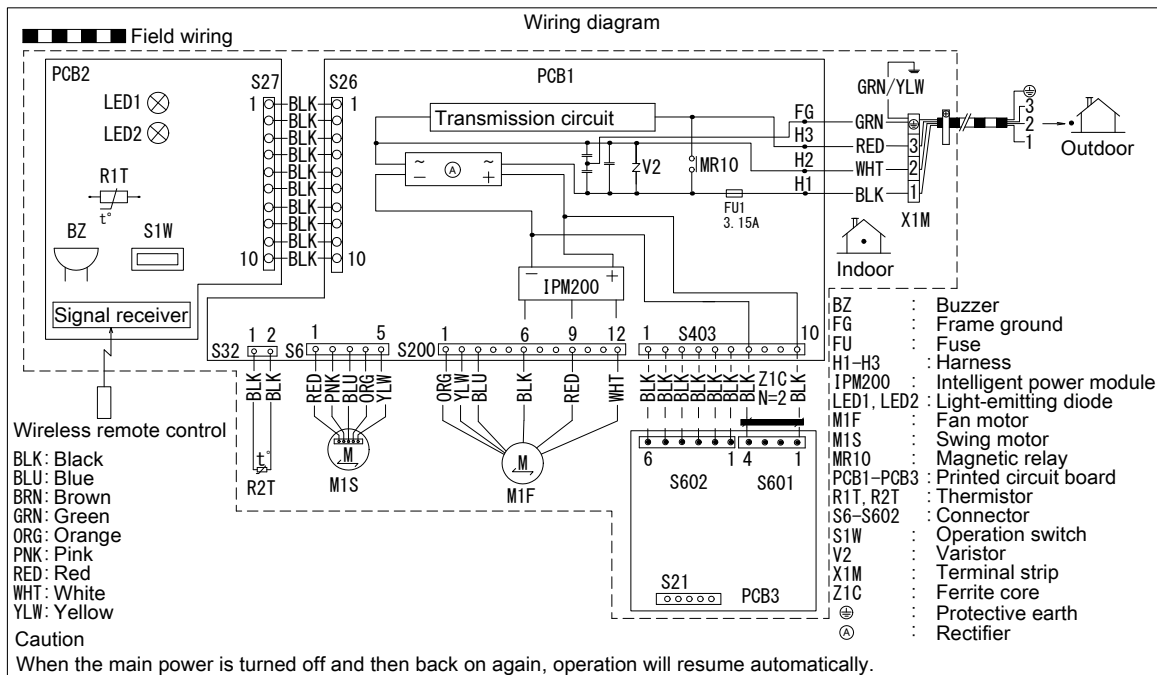
4D101332D

7 Wiring diagrams

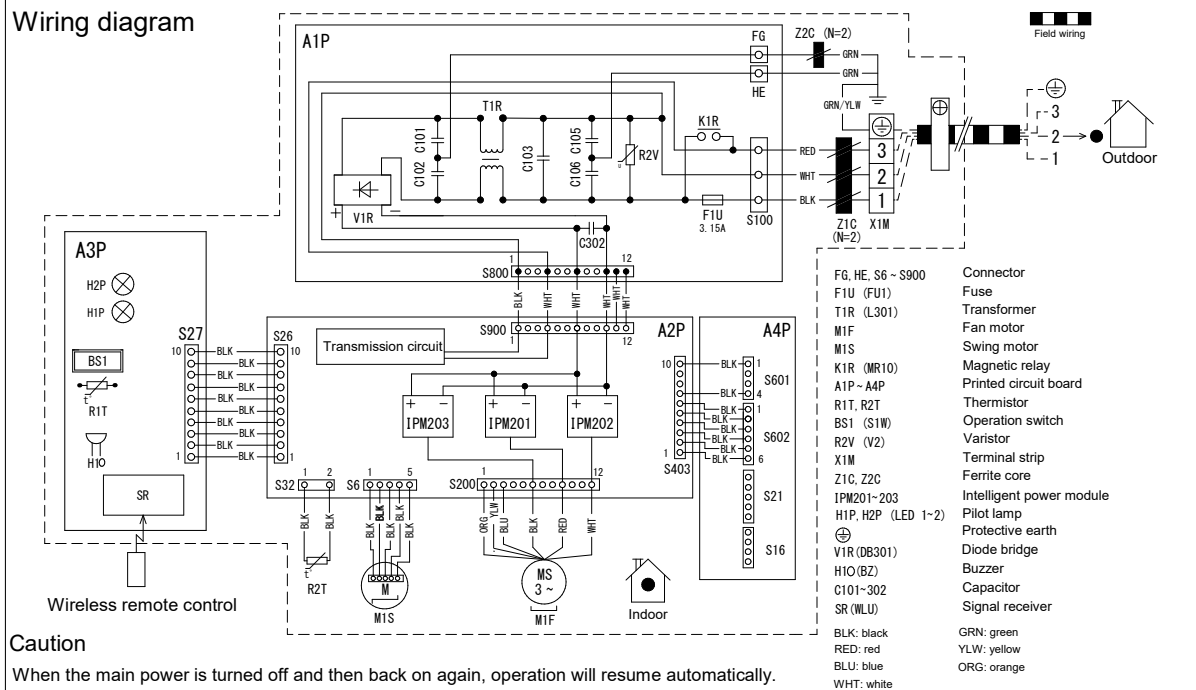
7 - 1 Wiring Diagrams - Single Phase

ATXF-D

FTXF20-42D



FTXF50-71D



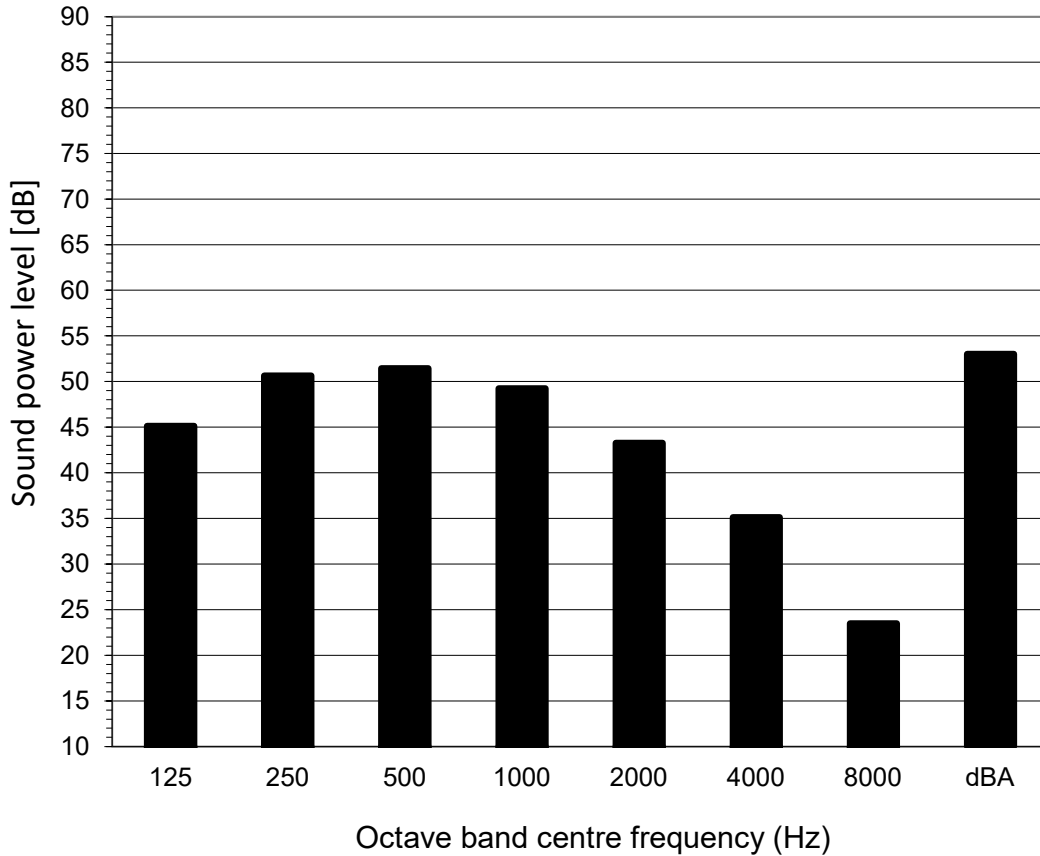
8 Sound data

8 - 1 Sound Power Spectrum

8

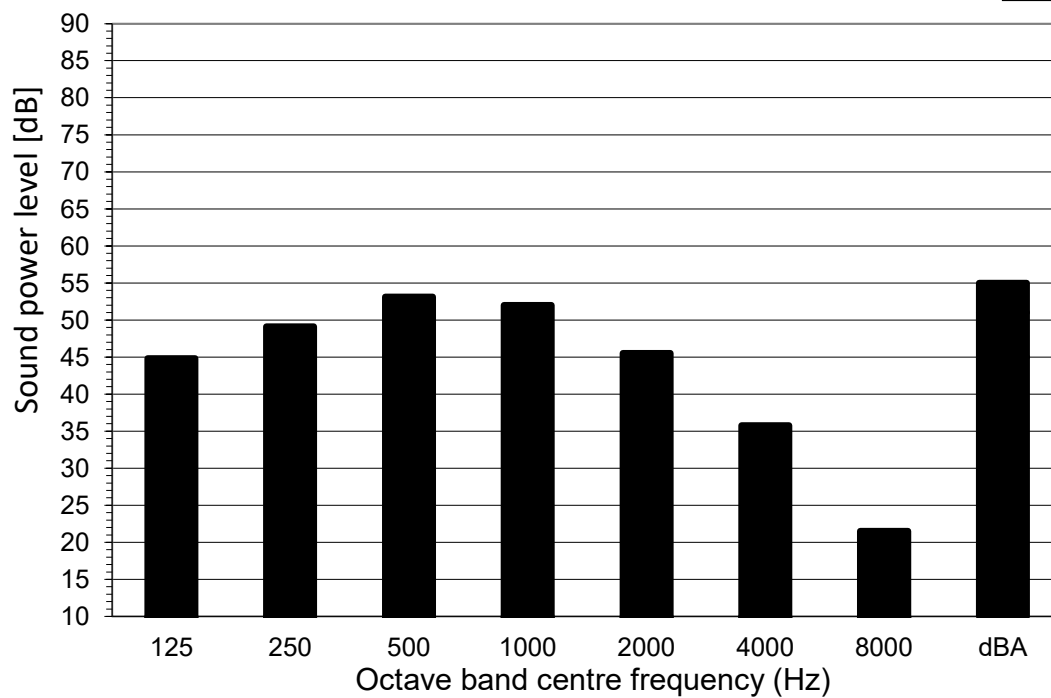
ATXF20D
FTXF20D

Cooling mode



Heating mode

Fan Speed
High



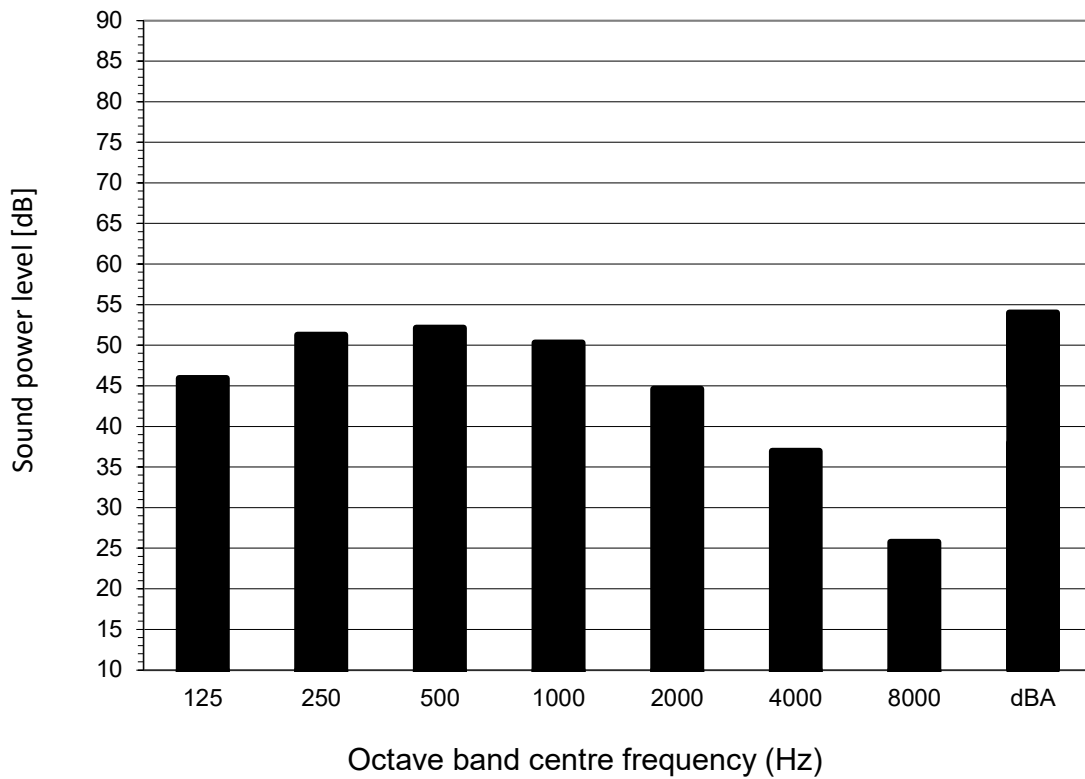
4D131985

8 Sound data

8 - 1 Sound Power Spectrum

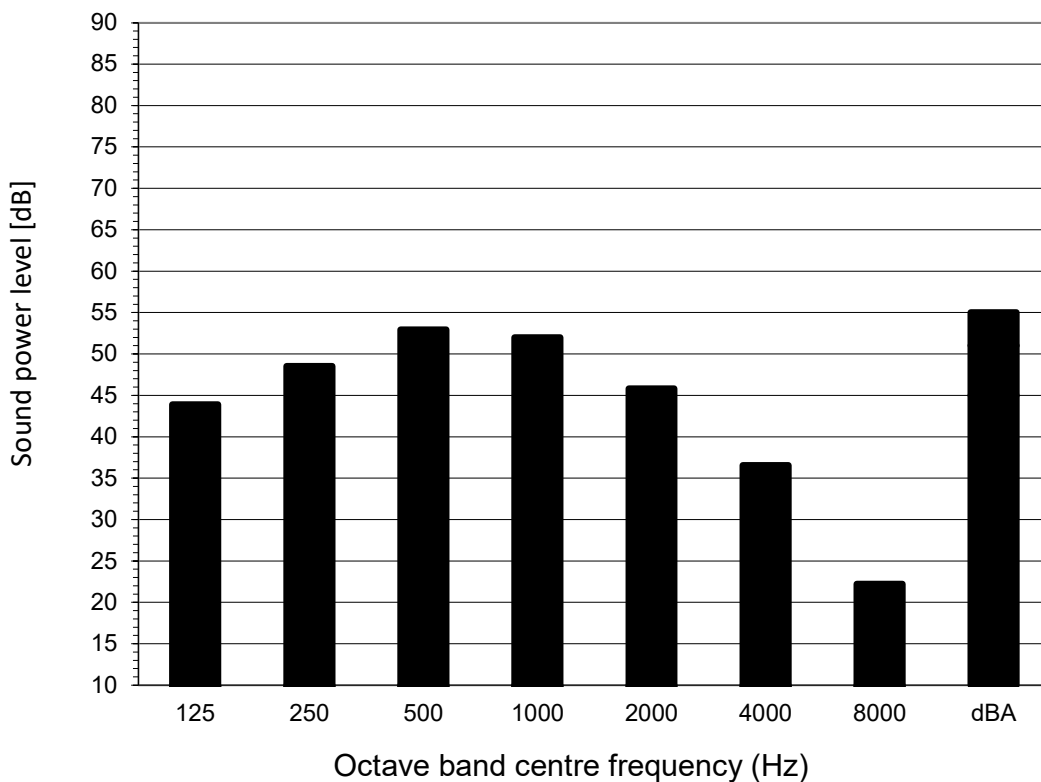
ATXF25D

FTXF25D Cooling mode



Heating mode

Fan Speed
High



4D131987

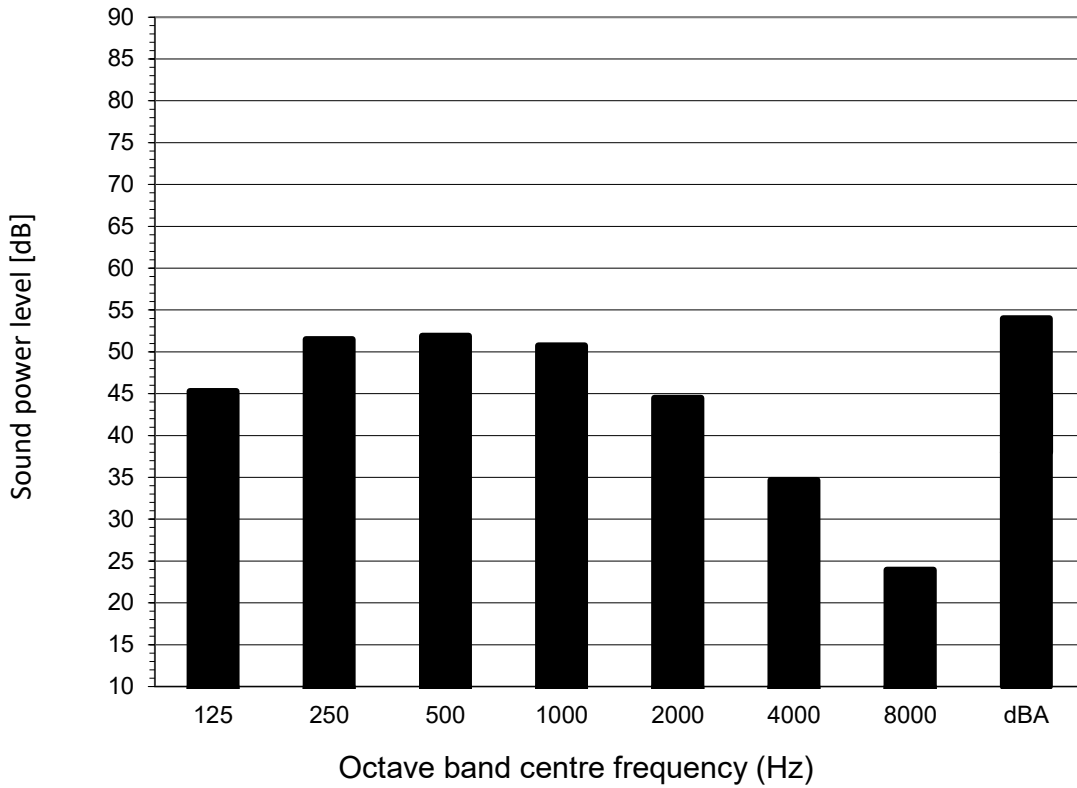
8 Sound data

8 - 1 Sound Power Spectrum

8

ATXF35D
FTXF35D

Cooling mode

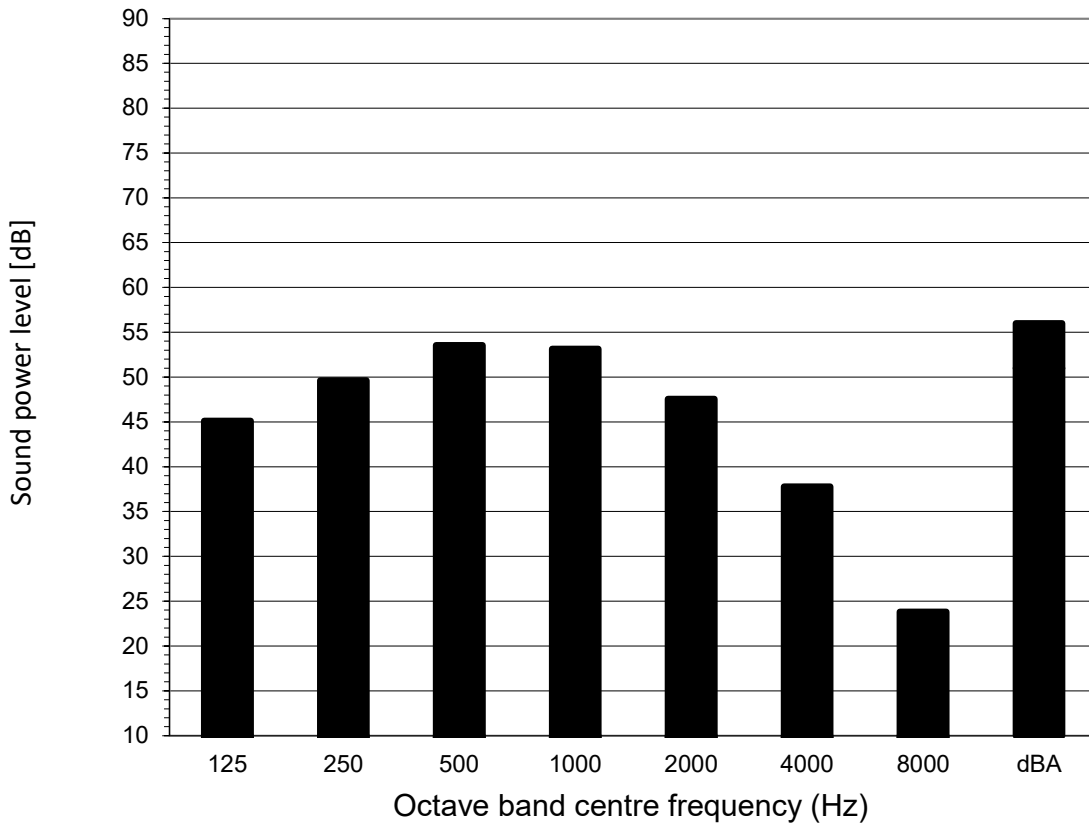


Heating mode

Fan Speed



High



4D131988

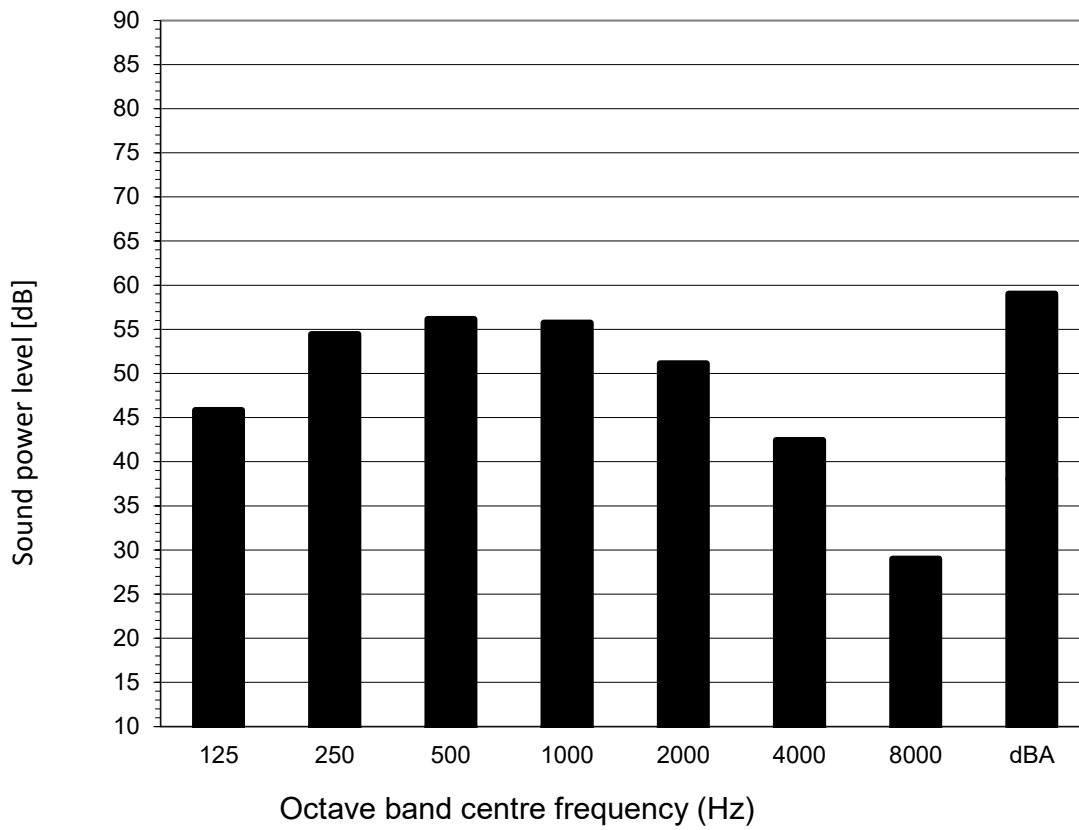
8 Sound data

8 - 1 Sound Power Spectrum

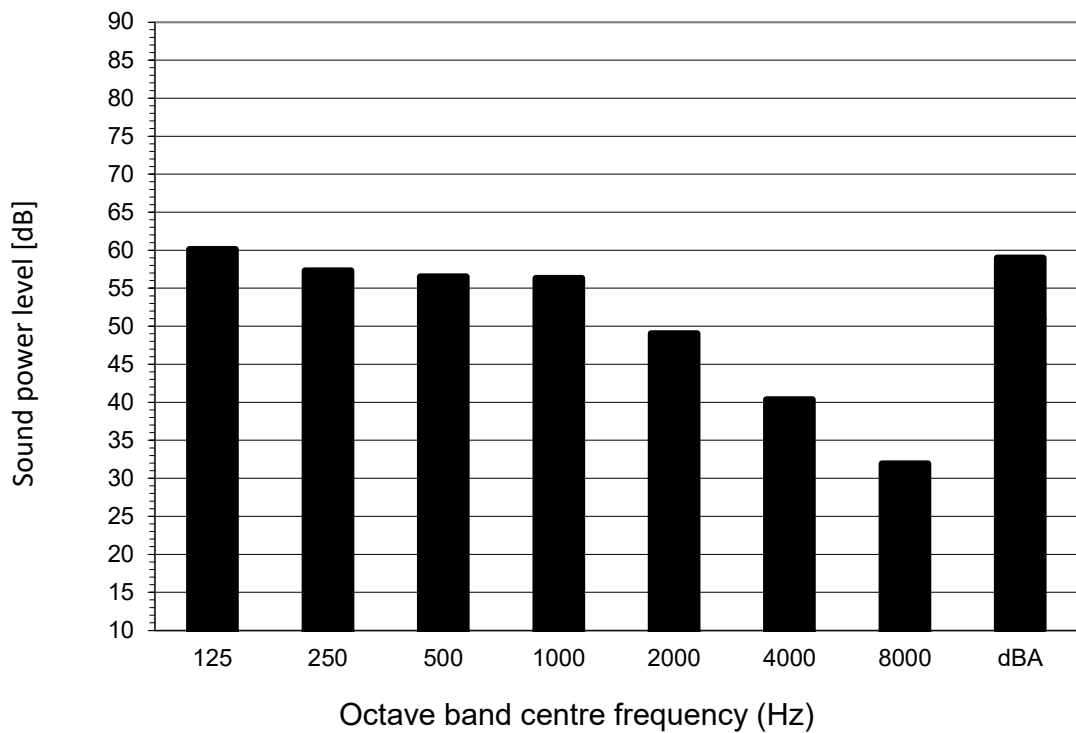
ATXF42D

FTXF42D

Cooling mode



Heating mode



Fan Speed



High

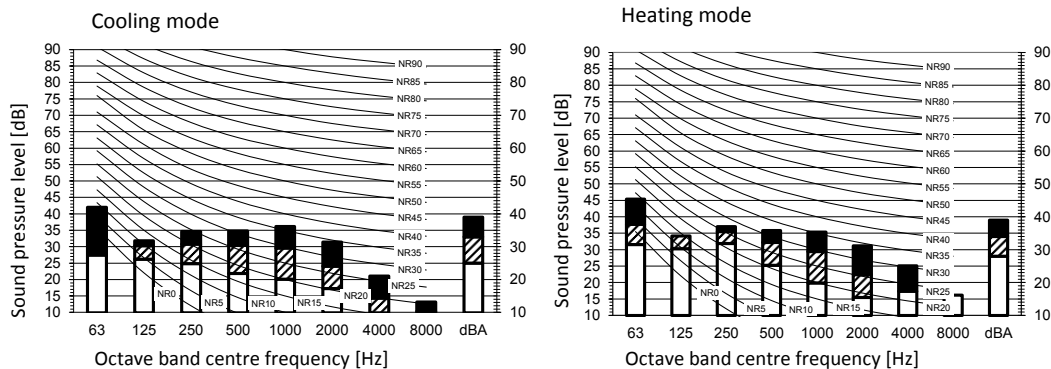
4D131989

8 Sound data

8 - 2 Sound Pressure Spectrum

8

ATXF20D FTXF20D



Legend

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

A Scale Fan speed

B High

C Medium

D Low

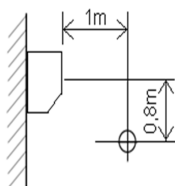
Cooling			
Total dB			
A	B	C	D
dBA	39	33	25

Heating			
Total dB			
A	B	C	D
dBA	39	34	28

Notes

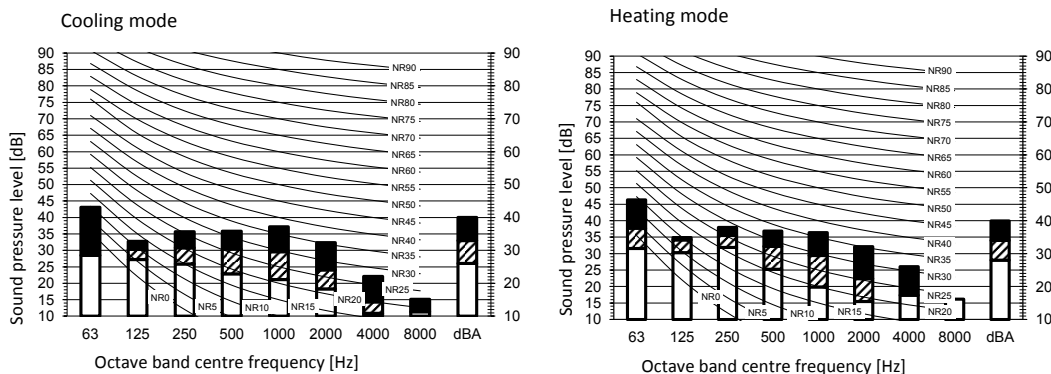
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

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

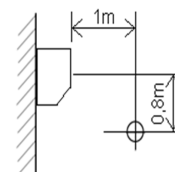
Cooling			
Total dB			
A	B	C	D
dBA	40	33	26

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

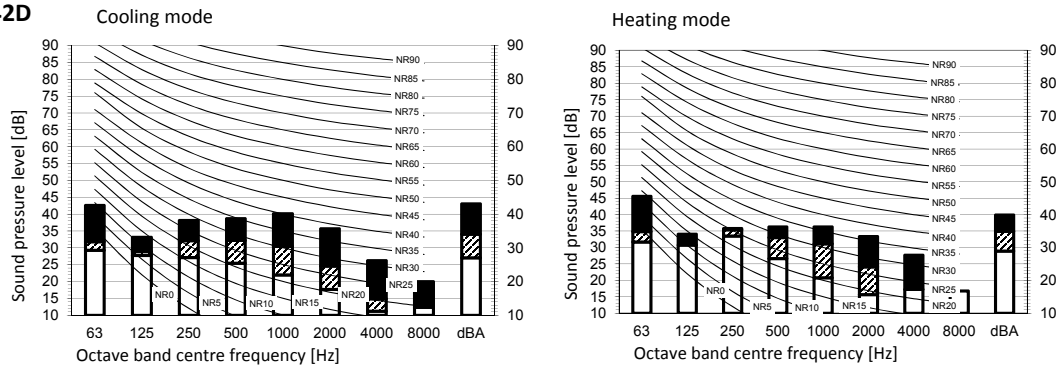


3D108790A

8 Sound data

8 - 2 Sound Pressure Spectrum

ATXF35-42D FTXF35-42D



Legend

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

A	Scale	Fan speed
B	High	
C	Medium	
D	Low	

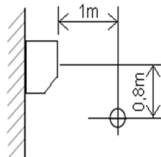
Cooling	Total dB		
A	B	C	D
dBA	43	34	27

Heating		Total dB	
A	B	C	D
dBA	40	35	29

Notes

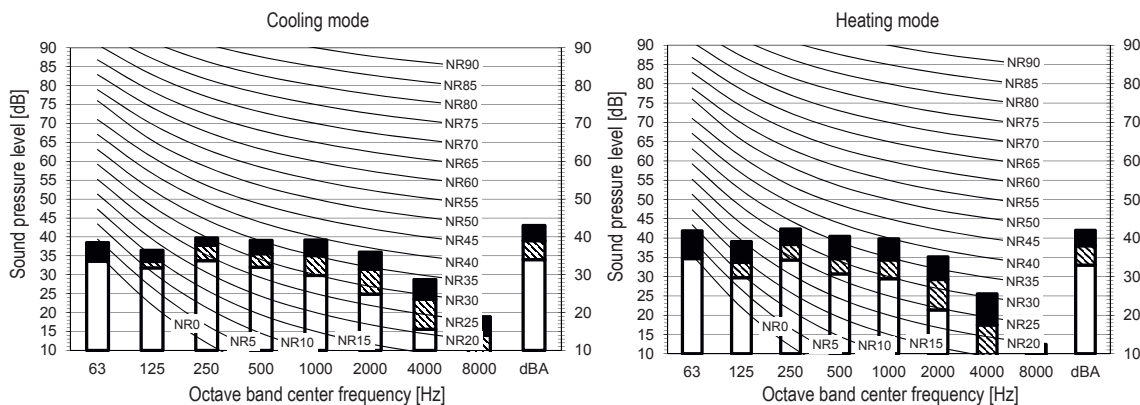
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

Location of microphone



3D108791A

FTXF50D

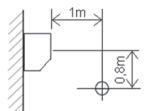


LEGEND

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	43	39	34

Heating Total dB

A	B	C	D
dBA	42	38	33

NOTES

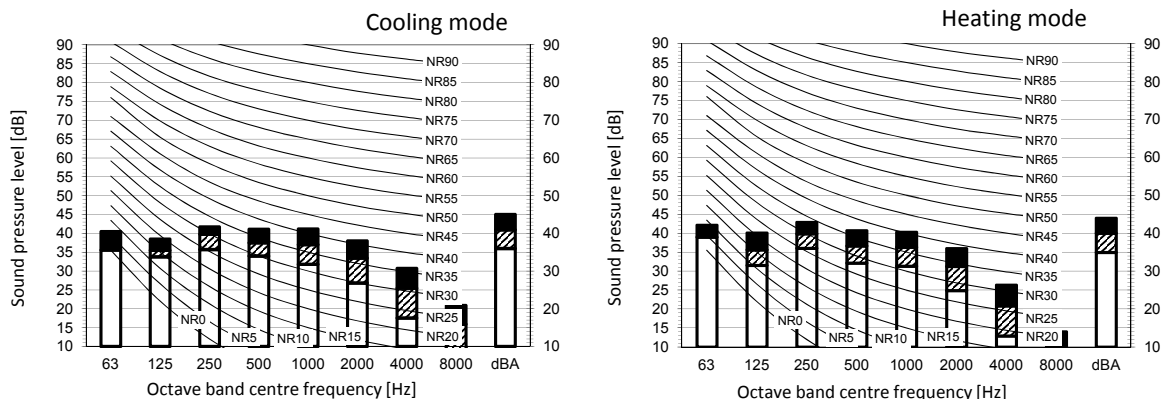
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber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

3D108792A

8 Sound data

8 - 2 Sound Pressure Spectrum

FTXF60D



Cooling		Total dB	
A	B	C	D
dBA	45	41	36

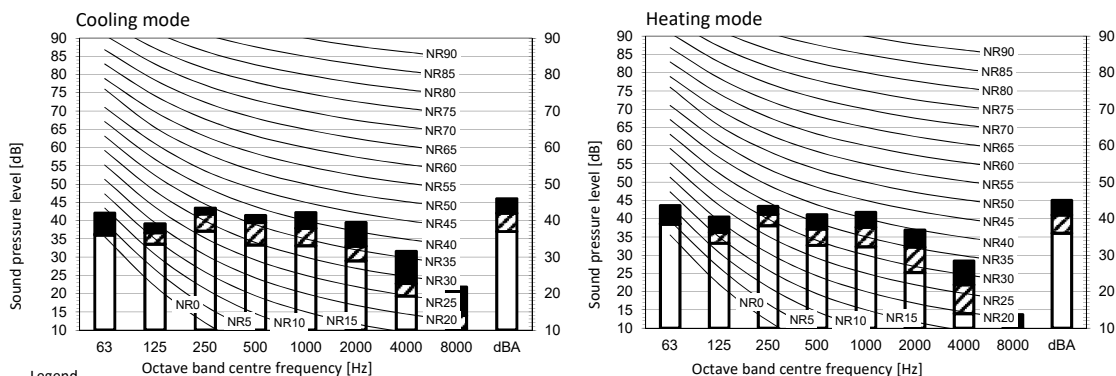
Heating		Total dB	
A	B	C	D
dBA	44	40	35

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

3D108793A

FTXF71D



Cooling		Total dB	
A	B	C	D
dBA	46	42	37

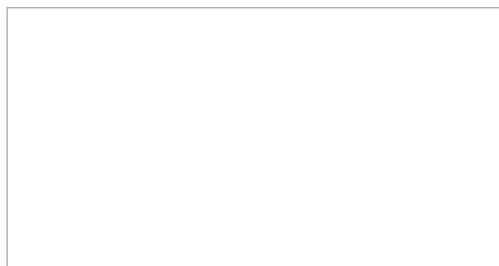
Heating		Total dB	
A	B	C	D
dBA	45	41	36

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

3D115181

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



EEDEN21



12/2021



Daikin Europe N.V. participates in the ECP programmes for Fan Coil Units and Variable Refrigerant Flow systems, Daikin Applied Europe S.p.A. participates in the ECP programmes for Liquid Chilling Packages and Hydronic Heat Pumps. Check ongoing validity of certificate: www.eurovent-certification.com

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. / Daikin Central Europe HandelsGmbH. Daikin Europe N.V. / Daikin Central Europe HandelsGmbH have compiled the content of this publication to the best of their knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. / Daikin Central Europe HandelsGmbH explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.