

Wall mounted unit
Technical data book
FTXF-C



FTXF20C5V1B
FTXF25C5V1B
FTXF35C5V1B
FTXF42C5V1B

Table of contents

FTXF-C

1	Features	4
	FTXF-C	4
2	Specifications	5
3	Options	7
4	Dimensional drawings	8
5	Centre of gravity	9
6	Piping diagrams	10
7	Wiring diagrams	11
	Wiring Diagrams - Single Phase	11
8	Sound data	12
	Sound Power Spectrum	12
	Sound Pressure Spectrum	16

1 Features


















1 - 1 FTXF-C

Wall mounted unit for low energy consumption and pleasant comfort

1

- > Seasonal efficiency values up to A++ in cooling
- > Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- > 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



- | | | | | | | | | |
|--|--|---|--|--|--|---|--|---|
| 
Econo mode | 
Energy saving during standby mode | 
Fan only | 
Comfort mode | 
Powerful mode | 
Auto cooling-heating changeover | 
Indoor unit silent operation | 
Vertical auto swing | 
Auto fan speed |
| 
Fan speed steps | 
Dry programme | 
Air filter | 
24 hour timer | 
Infrared remote control | 
Online controller | 
Auto-restart | 
Self diagnosis | |

2 Specifications

1 - 1 FTXF-C

Technical specifications				FTXF20C	FTXF25C	FTXF35C	FTXF42C	
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				
Heat exchanger	Length			mm				
	Rows	Quantity		2				
	Fin pitch			mm				
	Stages	Quantity		12		18		
	Tube type			ø5 Hi-XB				
	Fin Type			ML fin (Multi louver)				
	Heat exchanger 2	Length			mm		600	
Rows		Quantity		1				
Fin pitch			mm					
Stages		Quantity		4				
Fan	Type			Cross flow fan				
	Quantity			1				
Fan	Air flow rate	Cooling	High	m ³ /min	8.3	8.5	11.8	12.6
				cfm	293	300	417	45
			Medium	m ³ /min	6		8	9
		cfm	215	222	298	310		
		Low	m ³ /min	4.6		6.4	6.9	
		cfm	162	155	226	243		
	Heating	High	m ³ /min	3.6		4.4	4.9	
			cfm	127	155	173		
		Medium	m ³ /min	7.8	7.9	8.6	8.8	
			cfm	275	278	302	310	
		Low	m ³ /min	5.8		6.5	6.7	
			cfm	204	211	230	236	
Silent operation	m ³ /min	4.6		5.3	5.2			
	cfm	162		187	183			
Fan motor	Model			MM6K11S20VA				
	Speed Steps			5 + silent, + auto				
Sound power level	Cooling	High	rpm	1,000	1,020	1,140	1,280	
			Medium	rpm	830	850	870	950
			Low	rpm	660	680	700	780
	Heating	High	Silent operation	rpm	530		540	600
			High	rpm	1,040		1,140	1,280
			Medium	rpm	880	890	930	950
	Low	rpm	710	730	760	780		
		Silent operation	rpm	610			650	
Output	Rated		W		22			
	Cooling	dBA		53.0	54.0		59.0	
Sound pressure level	Cooling	High	dBA	55.0		56.0	59.0	
			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				
		Gas		mm				
	Drain			mm				
	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				

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Operation manual; Quantity: 1;

2 Specifications

1 - 1 FTXF-C

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;

2

Electrical specifications		FTXF20C	FTXF25C	FTXF35C	FTXF42C
Power supply	Phase			1~	
	Frequency	Hz		50	
	Voltage	V		220-440	

3 Options

3 - 1 Options

FTXF-C

Option kit	Product name	Remark	Applicable models																					
			Class	Casing	Factory																			
			20	R32 BMS	25	R32 BMS	35	R32 BMS	42	R32 BMS	20	R32 BMS	25	R32 BMS	35	R32 BMS	20	R32 BMS	25	R32 BMS	35	R32 BMS	42	R32 BMS
Daikin Online Controller	BRP069B45		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wired remote control	BRC073A1	① ②	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (-3-m)	BRCW901A03		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extension cord for wired remote control (-8-m)	BRCW901A08		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB1S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Interface adaptor for DIII-NET	KRP9288B2S		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Central remote control	DCS302CA51		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Unified ON/OFF controller	DCS301BA51		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schedule timer	DST301BA51		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Intelligent Touch Manager	DCM601A5A		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus interface	EKMBOXA		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Modbus gateway	RTD-RA		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
KNX interface	KLIC-DD		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Titanium apatite deodorising filter without frame	KAF970A46		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Silver particle filter (Ag-ion) with frame	KAF057A41		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Conversion wire harness	EKRS21		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

3D131704

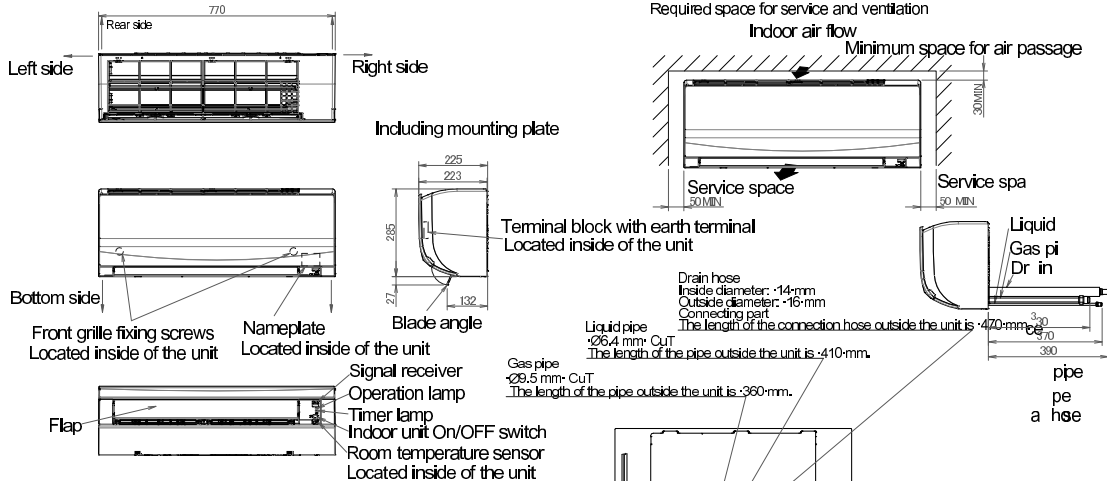
4 Dimensional drawings

4 - 1 Dimensional Drawings

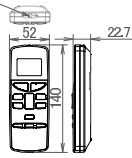
4

FTXF-C

The · — · mark shows the piping direction.

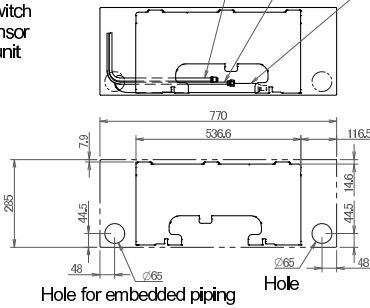
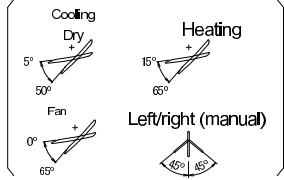


Signal transmitter



Wireless remote control (ARC470A1)

Up/down (automatic)



Standard location of holes in the wall

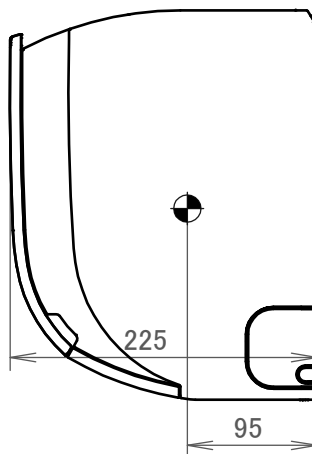
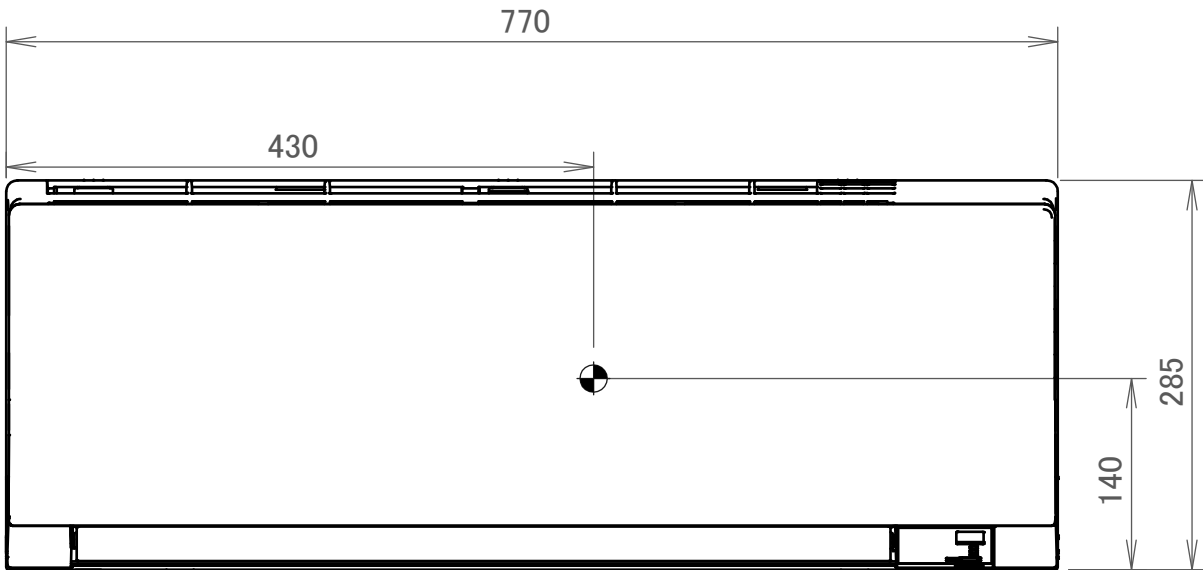
3D113368

5 Centre of gravity

5 - 1 Centre of Gravity

FTXF-C

5

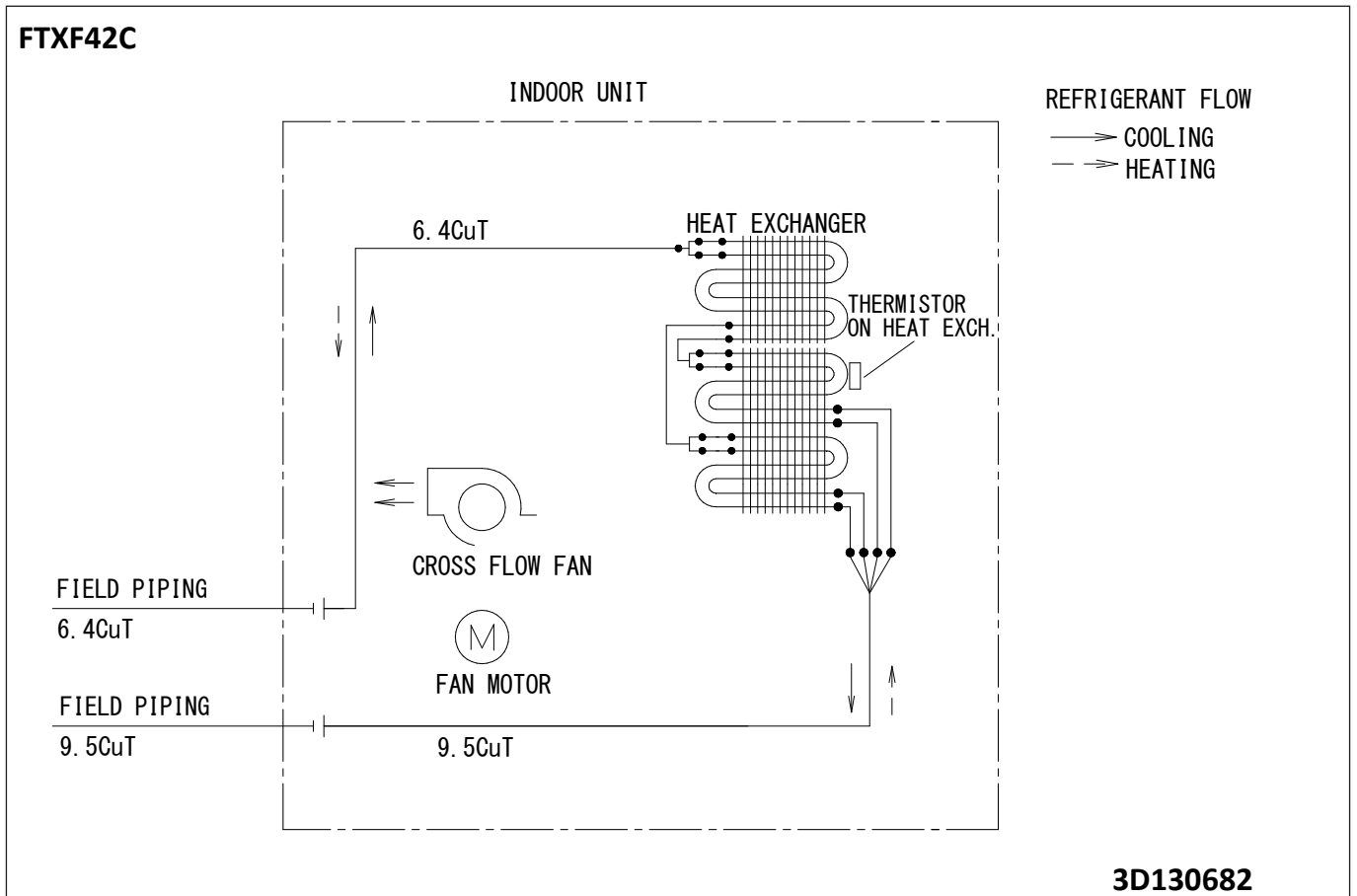
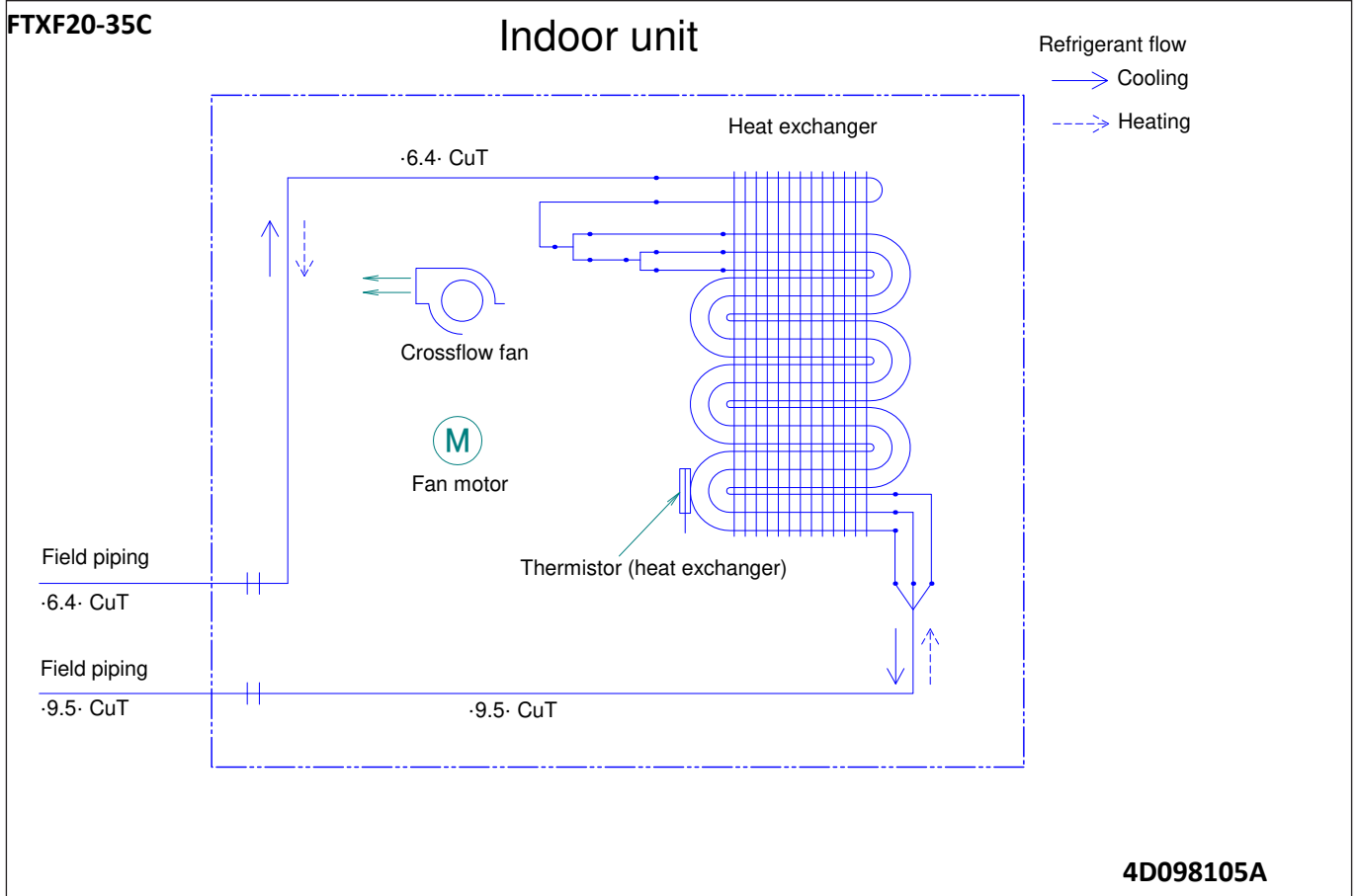


4D094235D

6 Piping diagrams

6 - 1 Piping Diagrams

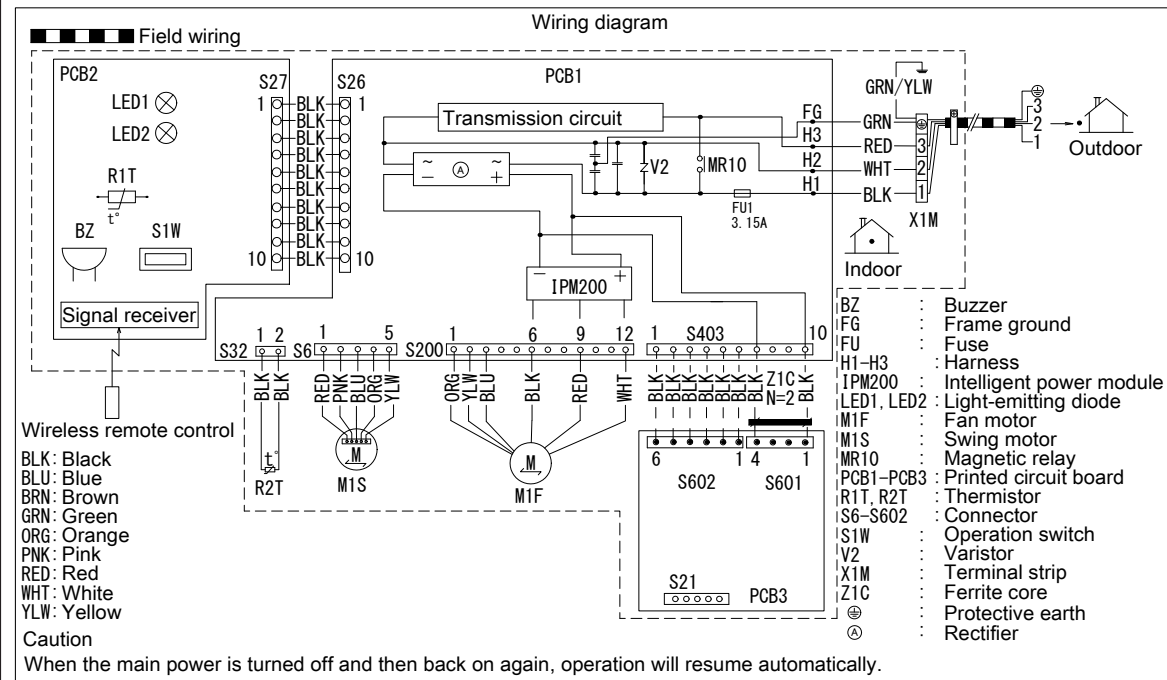
6



7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXF-C



Notes

1 Size: length 70 X width 120.

2 Refer to purchasing specification AS303002, unless otherwise specified.

3D095416C

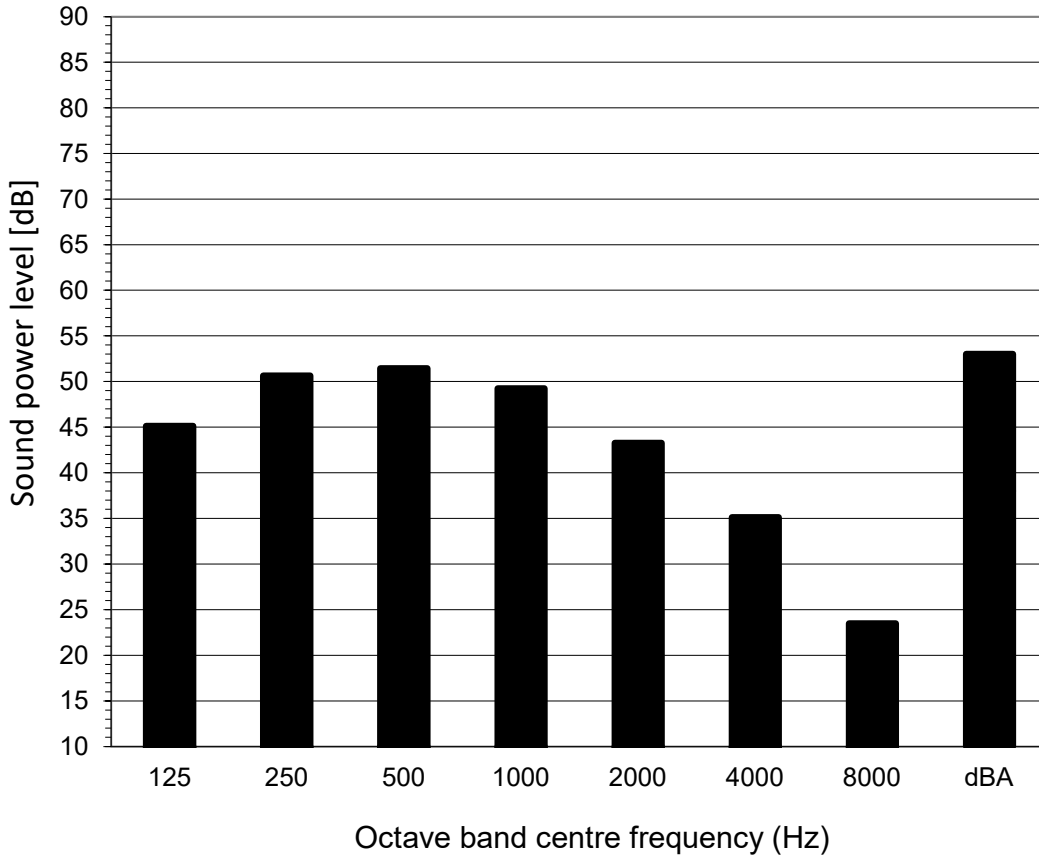
8 Sound data

8 - 1 Sound Power Spectrum

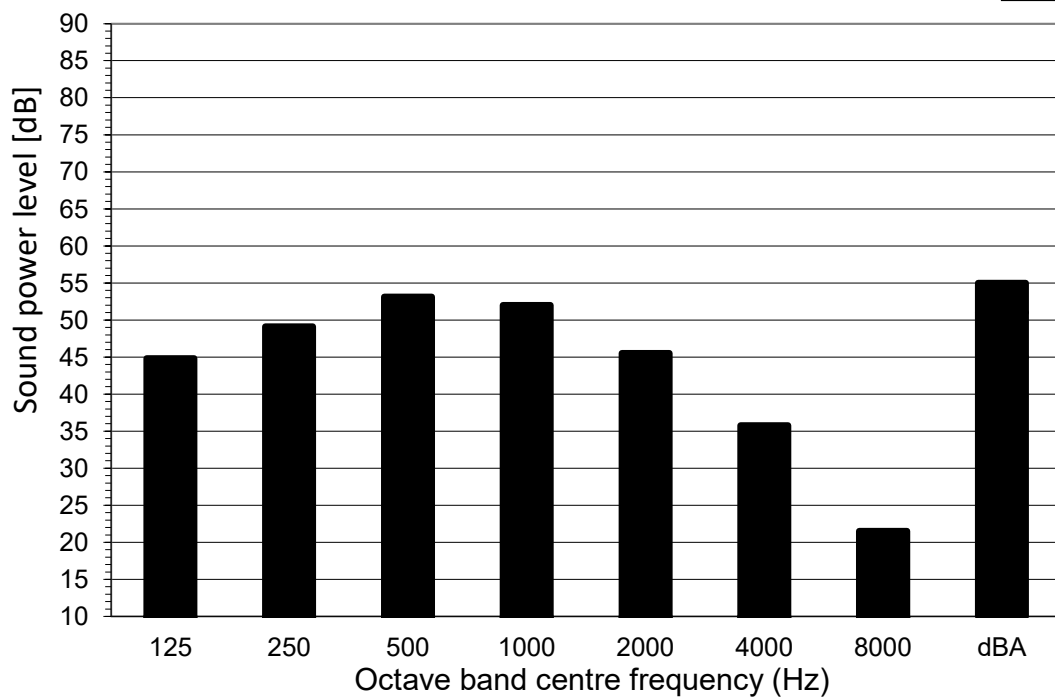
8

FTXF20C

Cooling mode



Heating mode

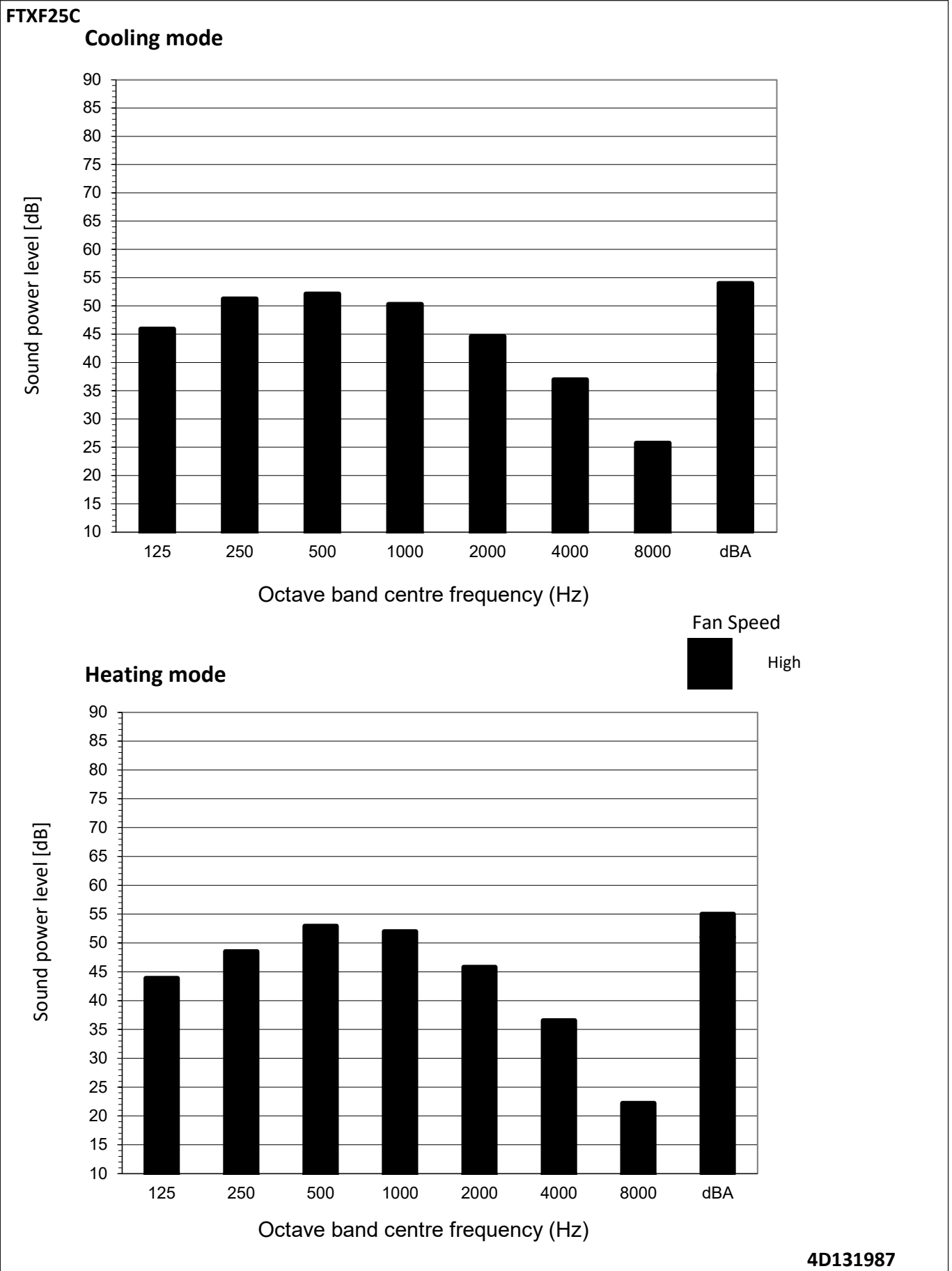


Fan Speed
 High

4D131985

8 Sound data

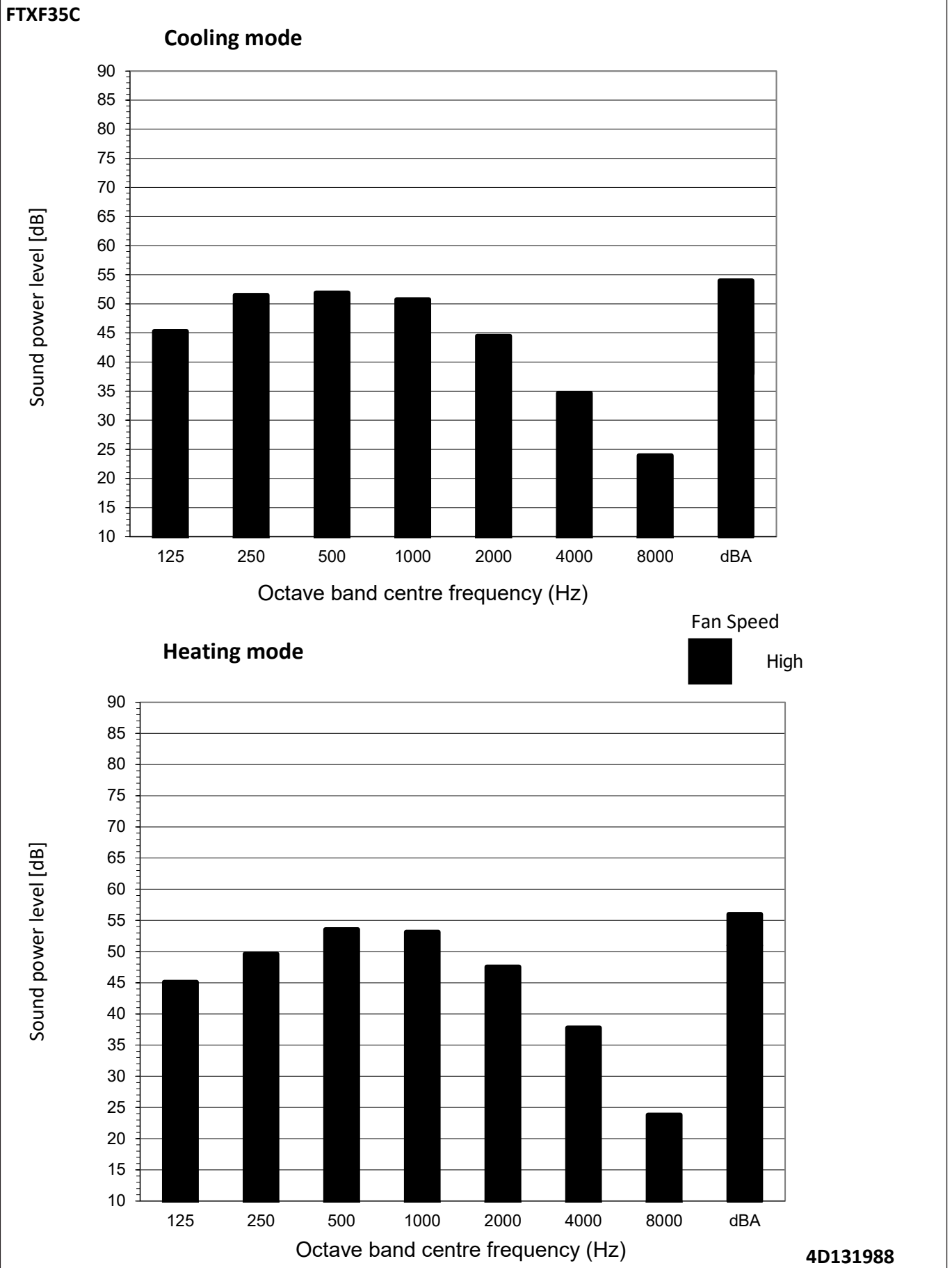
8 - 1 Sound Power Spectrum



8 Sound data

8 - 1 Sound Power Spectrum

8

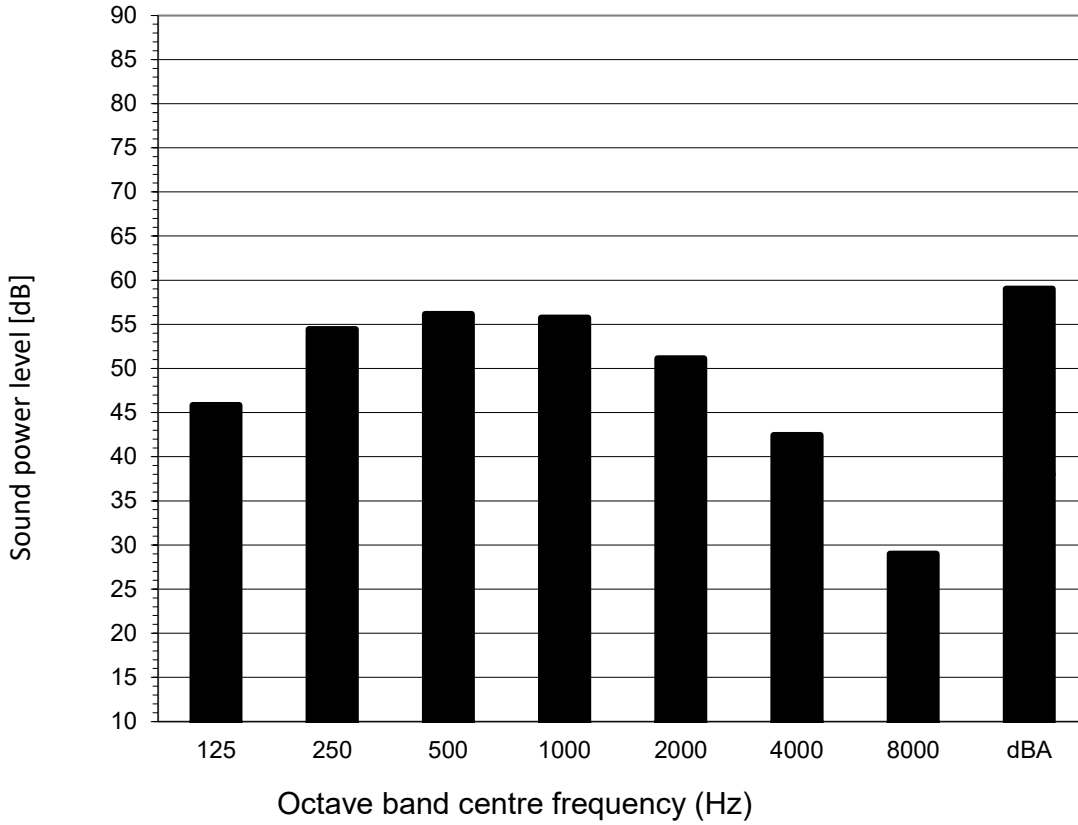


8 Sound data

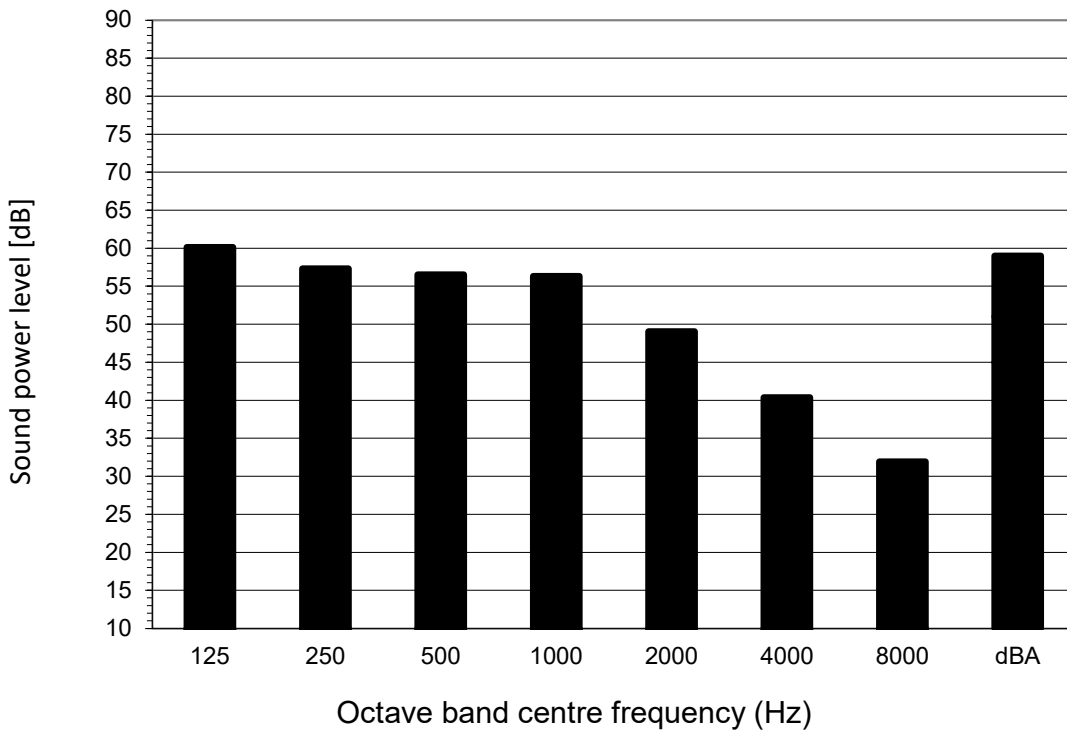
8 - 1 Sound Power Spectrum

FTXF42C

Cooling mode



Heating mode



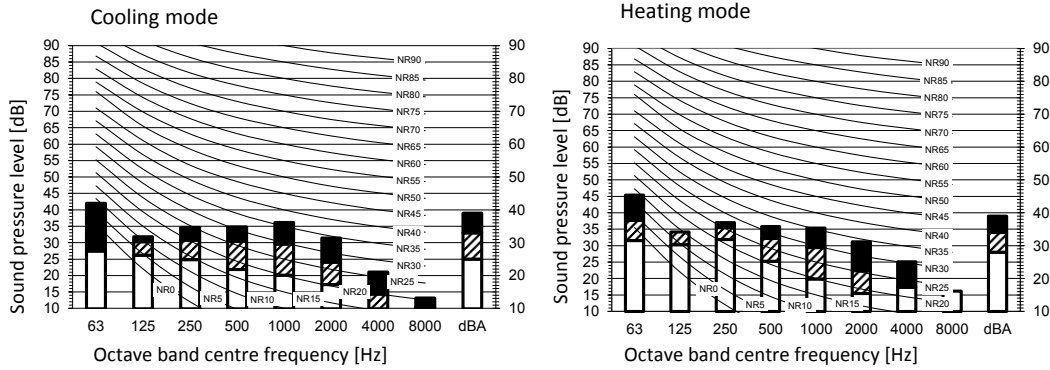
4D131989

8 Sound data

8 - 2 Sound Pressure Spectrum

8

FTXF20C



Legend

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

A Scale	Fan speed
B	High
C	Medium
D	Low

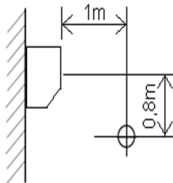
Cooling		Total dB	
A	B	C	D
dBA	39	33	25

Heating		Total dB	
A	B	C	D
dBA	39	34	28

Notes

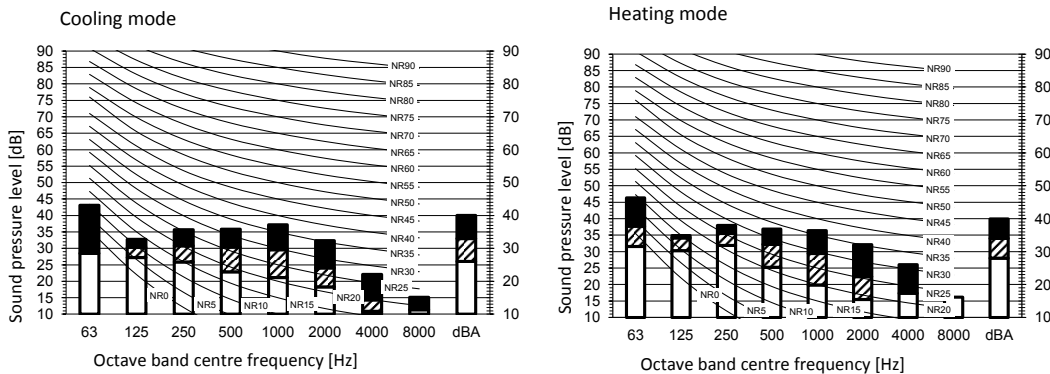
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

Location of microphone



3D108789A

FTXF25C



Legend

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

A Scale	Fan speed
B	High
C	Medium
D	Low

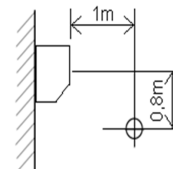
Cooling		Total dB	
A	B	C	D
dBA	40	33	26

Heating		Total dB	
A	B	C	D
dBA	40	34	28

Notes

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

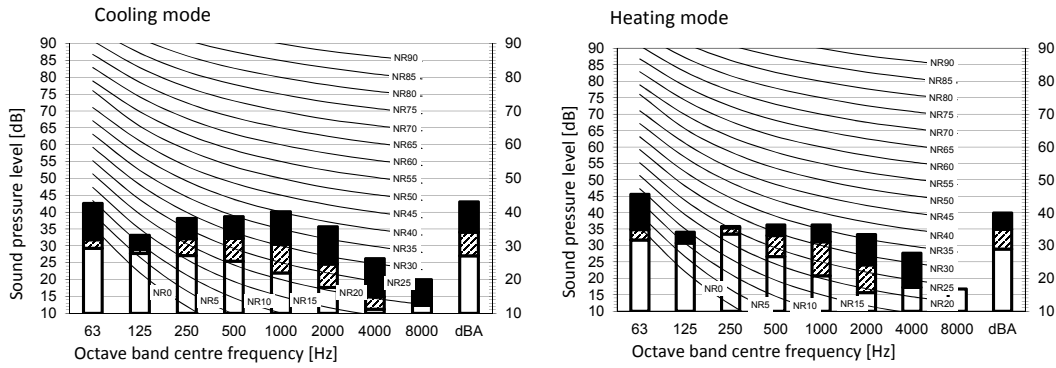


3D108790A

8 Sound data

8 - 2 Sound Pressure Spectrum

FTXF35-42C



Legend

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

A	Scale	Fan speed
B	■	High
C	▨	Medium
D	□	Low

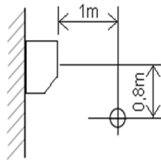
Cooling		Total dB		
A	B	C	D	
dBA	43	34	27	

Heating		Total dB		
A	B	C	D	
dBA	40	35	29	

Notes

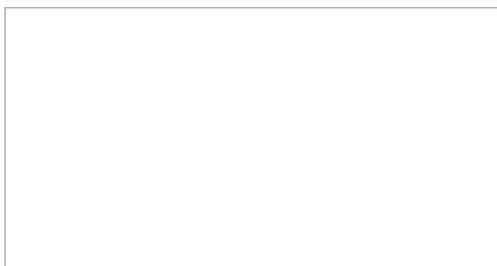
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

Location of microphone



3D108791A

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



EEEN20



12/2020



Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. 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.