

Air Conditioning Technical Data

FTX-KV



- > FTX20K2V1B
- > FTX25K2V1B
- > FTX35K2V1B
- > FTX50KMV1B
- > FTX60KMV1B
- > FTX71KMV1B

TABLE OF CONTENTS

FTX-KV

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Options	5
4	Dimensional drawings	6
5	Centre of gravity	7
6	Piping diagrams	9
7	Wiring diagrams	12
	Wiring Diagrams - Single Phase	12
8	Sound data	13
	Sound Pressure Spectrum	13

1 Features

Discreet wall mounted unit providing high efficiency and comfort

- Discreet, stylish front panel blends easily with the wall, and matches all interior décors
- Online controller: control your indoor from any location with an app, via your local network or internet
- Dry programme allows humidity levels to be reduced without variations in room temperature
- Up to 2 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time

1



Energy saving
during standby
mode



Fan only



Auto cooling-
heating
changeover



Vertical auto
swing



Auto fan speed



Fan speed
steps



Dry programme



Titanium apatite
photocatalytic
air purification
filter



24 hour timer



Infrared remote
control



Wired remote
control



Online
controller via
app

2 Specifications

2-1 Technical Specifications					FTX20KV	FTX25KV	FTX35KV	FTX50KV	FTX60KV	FTX71KV	
Power input - 50Hz	Cooling	Nom.		kW	0.018	0.020	0.024	0.0350	0.041		
	Heating	Nom.		kW	0.022	0.023	0.029	0.0380	0.044		
Casing	Colour				White						
Dimensions	Unit	Height/Width/Depth		mm	286/770/225			295/990/263			
	Packed unit	Height/Width/Depth		mm	305/830/360			370/1,080/390			
Weight	Unit			kg	8			13.5			
	Packed unit			kg	11		11.5	17			
Packing	Weight			kg	3		3.5				
Heat exchanger	Length			mm	610			820			
	Rows	Quantity			2						
	Fin pitch			mm	1.4						
	Stages	Quantity			18						
	Tube type				ø5 Hi-XB						
	Fin	Type			ML fin (Multi louver)						
Heat exchanger 2	Length			mm	-		600	810			
	Rows	Quantity			-		1				
	Fin pitch			mm	-		1.4				
	Stages	Quantity			-		4	8 / 4			
Air filter	Type				Removable / washable / mildew proof						
Fan	Type				Cross flow fan						
	Air flow rate	Cooling	High	m³/min	9.9	10.4	11.8	16.0	17.6		
				cfm	350	367	399	585	622		
			Nom.	m³/min	7.8	8.0	8.2	13.7	14.9		
				cfm	275	283	279	484	526		
			Low	m³/min	5.8	6.1	6.3	11.1	12.2		
				cfm	205	215	219	392	431		
			Silent operation	m³/min	4.8		4.9		10.1	11.2	
				cfm	170			357		396	
		Heating	High	m³/min	10.9	11.1	12.8	16.7	18.9		
				cfm	385	392	427	590	667		
			Nom.	m³/min	8.5			14.7	16.7		
				cfm	300		304	519	590		
			Low	m³/min	6.4	6.7	6.9	12.2	13.7		
				cfm	226	237		431	484		
			Silent operation	m³/min	5.2			10.9	12.1		
				cfm	184			385	427		
Fan motor	Model				MM6K11S20VA			MM9E17S21VA			
	Speed	Steps			5 + silent, + auto						
		Cooling	High/ Medium/Low/ Silent operation	rpm	980/800/640/550	1,020/820/660/550	1,140/840/680/560	1,050/930/790/720	1,110/970/830/760		
					Heating	High/ Medium/Low/ Silent operation	rpm	1,060/860/690/590	1,080/860/710/590	1,220/900/730/590	1,080/950/820/740
	Output	Rated	W		22			46			
Sound power level	Cooling			dBA	55		58	59	60	62	
	Heating			dBA	55		58		59	61	
Sound pressure level	Cooling	High/Nom./Low/ Silent operation		dBA	39/33/25/20	40/33/26/20	43/34/27/20	43/39/34/31	45/41/36/33	46/42/37/34	
	Heating	High/Nom./Low/ Silent operation		dBA	39/34/28/23	40/34/28/23	43/35/29/26	42/38/33/30	44/40/35/32	45/41/36/33	

2 Specifications

2-1 Technical Specifications			FTX20KV	FTX25KV	FTX35KV	FTX50KV	FTX60KV	FTX71KV
Control systems	Infrared remote control		ARC480A11					
	Wired remote control		BRC944B2 / BRC073A1			BRC944B2 / BRC073		
Piping connections	Liquid	OD	6.35					
	Gas	OD	9.5			12.7		
	Drain		18			16		
	Heat insulation		Both liquid and gas pipes					
Temperature control			Microcomputer control					
Air direction control			Right, Left, Horizontal, Downward					

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Infrared remote control; Quantity : 1;

Standard Accessories : AA dry-cell batteries; Quantity : 2;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Mounting plate; Quantity : 1;

Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 2;

Standard Accessories : Indoor unit fixing screws; Quantity : 2;

2-2 Electrical Specifications				FTX20KV	FTX25KV	FTX35KV	FTX50KV	FTX60KV	FTX71KV
Power supply	Name			V1					
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.18	0.20		0.24	0.28	
		Heating	A	0.21	0.22	0.24	0.26	0.31	

Notes

SL: The silent fan level of the air flow rate setting

3 Options

3 - 1 Options

FTX-KV

- Legend
- ① Three-dimensional knitted fabric (42x275mm) + activated charcoal net
 - ② Three-dimensional knitted fabric (42x255mm) + activated charcoal net
 - ③ Corrugated fiberboard (42x275mm)
 - ④ Without connection cable
 - ⑤ Three-dimensional knitted fabric (24x115 + 42x255mm) + activated charcoal net

Notes

1. R410A models

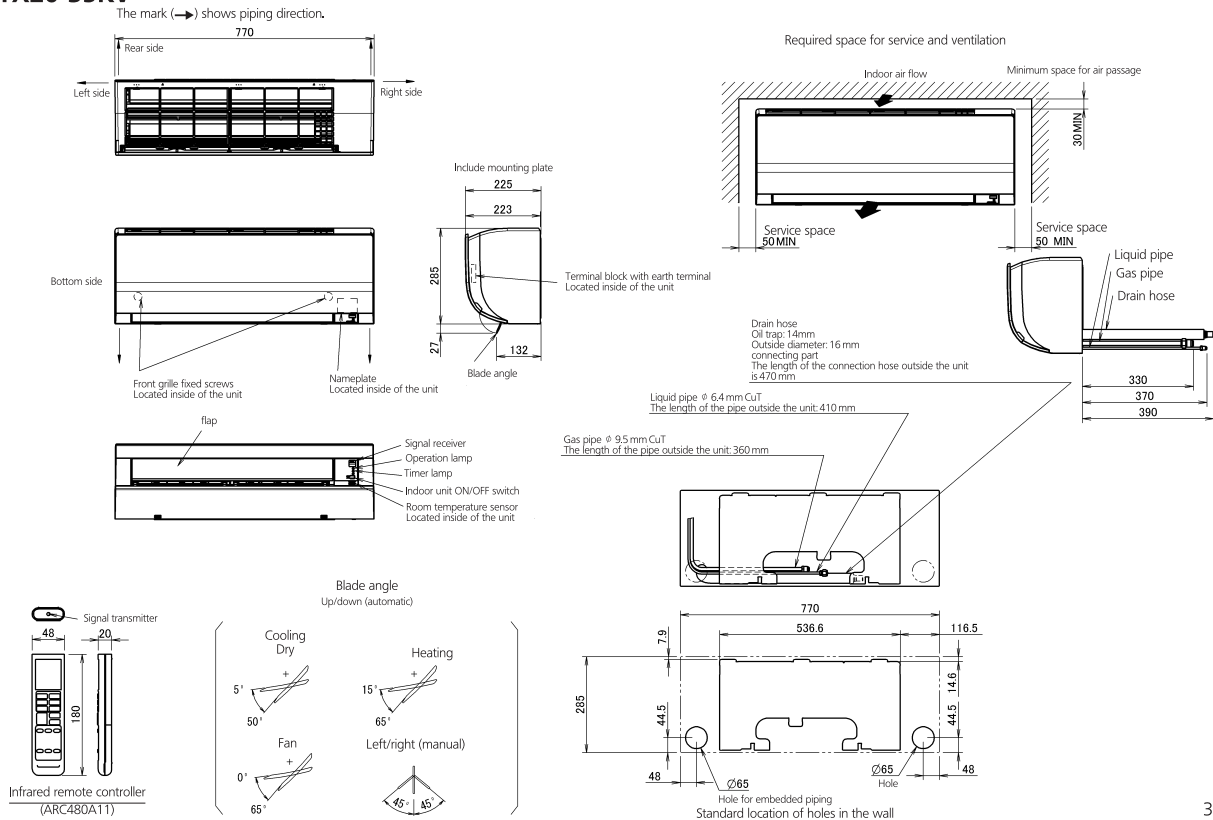
Option kit	Product name	Remark	Applicable models	Class	Casing	Factory
Wired remote control	BRC073A1		FTX20QV1B	20	BM5	DI62
Wired remote control	BRC944B2		FTX25KQV1B	25	BM5	DI62
Extension cord for wired remote control (3m)	BRCW901A03		FTX35KQV1B	35	BM5	DI62
Extension cord for wired remote control (5m)	BRCW901A08		FTX50QV1B	50	BM5	DSZ
Interface adaptor for wired remote control	KRP980B1		FTX60QV1B	60	BM5	DSZ
Interface adaptor for wired remote control	KRP980B2		FTX71QV1B	71	BM5	DSZ
Interface adaptor for wired remote control	KRP980B2		FTX90QV1B		BM5	DSZ
Centralised control board (up to 5 rooms)	KRC72A					
Wiring adaptor (normal open contact - normal open pulse contact)	KRP413AB15					
Wi-Fi adaptor for smartphones	BRP069A41	④				
Wi-Fi adaptor for smartphones	BRP069A42					
Wi-Fi adaptor for smartphones	BRP069A43					
Wi-Fi adaptor for smartphones	BRP069A44					
Wi-Fi adaptor for smartphones	BRP069A45					
Interface adaptor for PIII-NET	KRP928B25					
Central remote control	DCS302CA51					
Unified ON/OFF controller	DCS301BA51					
Schedule timer	DST301BA51					
Titanium apatite photocatalytic air-purifying filter without frame	KAF971A42	①				
Titanium apatite photocatalytic air-purifying filter without frame	KAF952B42	③				
Titanium apatite photocatalytic air-purifying filter with frame	KAF970A46	②				
Titanium apatite photocatalytic air-purifying filter without frame	SAF970-A	⑤				
Photocatalytic deodorising and air-purifying filter without frame	KAF968A42					
Photocatalytic deodorising filter with frame	KAZ917B41					
Photocatalytic deodorising filter without frame	KAZ917B42					
Air-purifying filter with frame	KAF925B41					
Photocatalytic 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	KKF936AA4					
Installation frame for floor-standing units	BK502BA4					

3D095247D

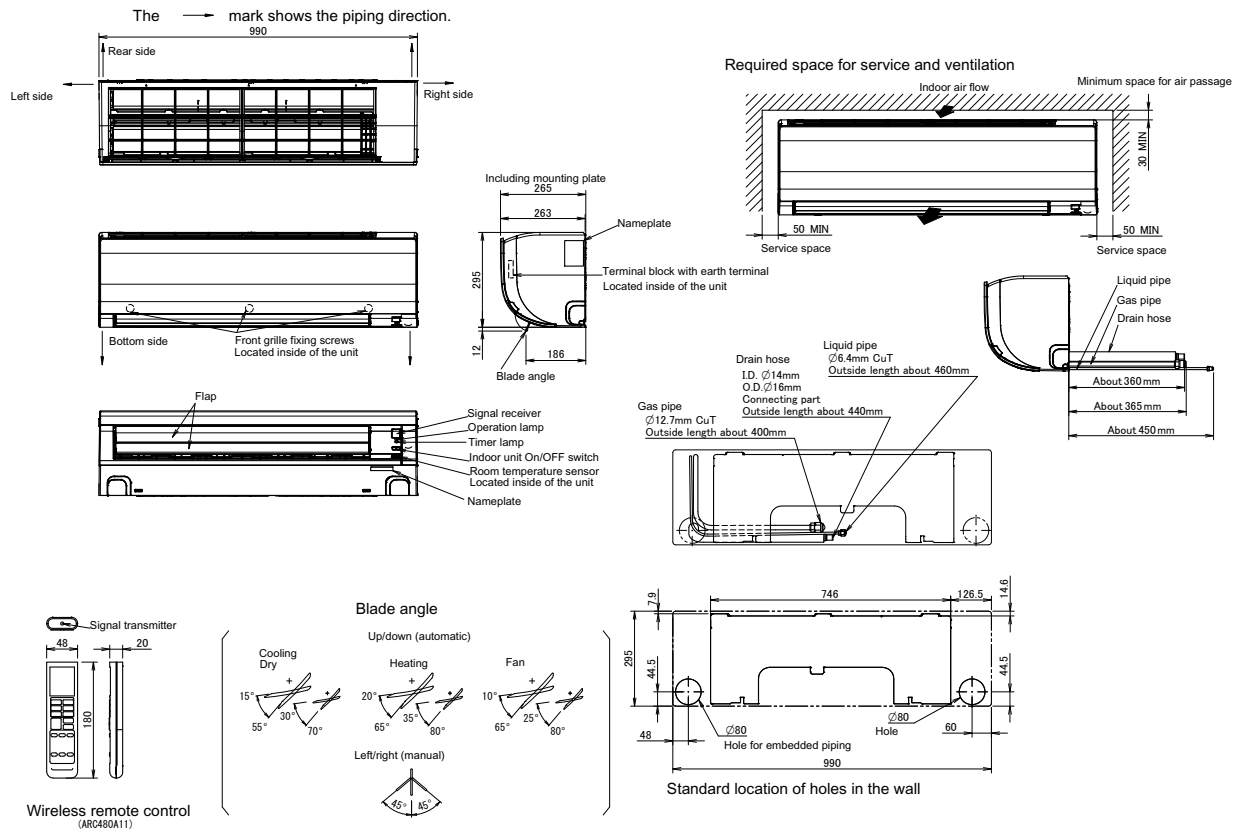
4 Dimensional drawings

4 - 1 Dimensional Drawings

FTX20-35KV



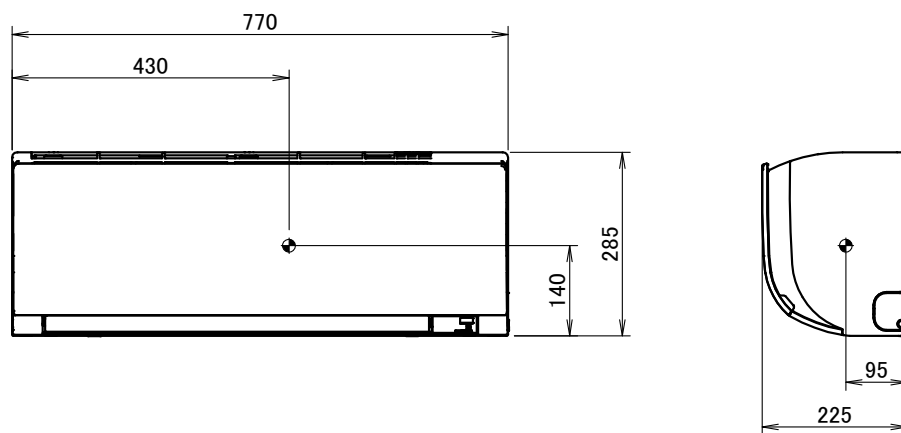
FTX50-71KV



5 Centre of gravity

5 - 1 Centre of Gravity

FTX20-35KV

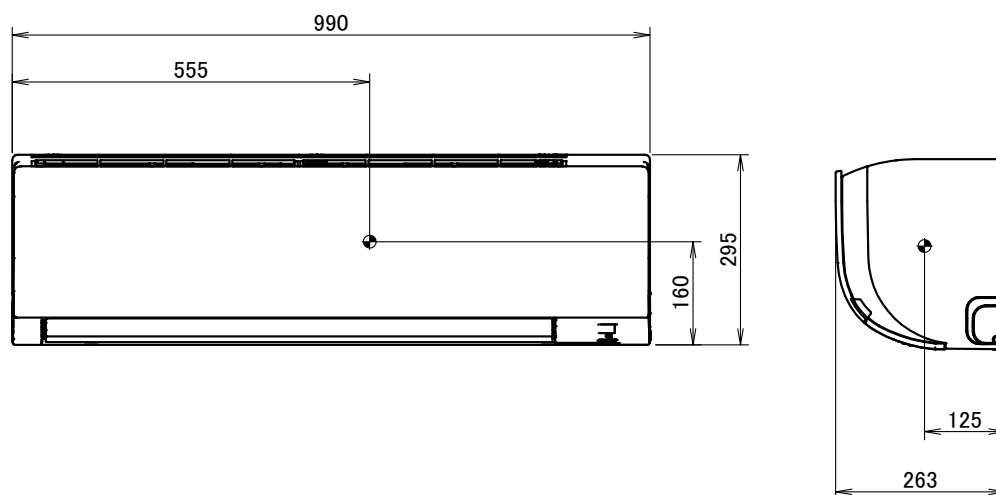


4D094235A

5 Centre of gravity

5 - 1 Centre of Gravity

FTX50-71KV



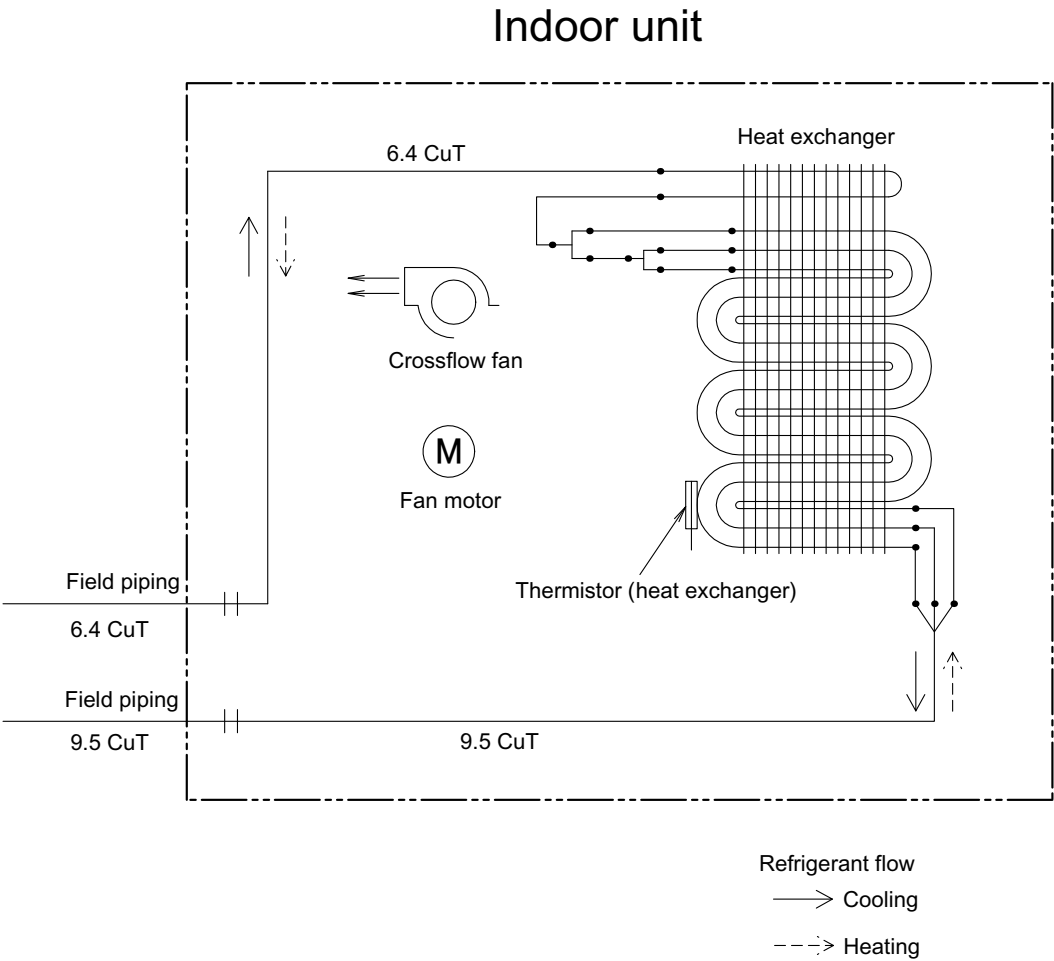
4D094259A

6 Piping diagrams

6 - 1 Piping Diagrams

FTX20-25KV

6

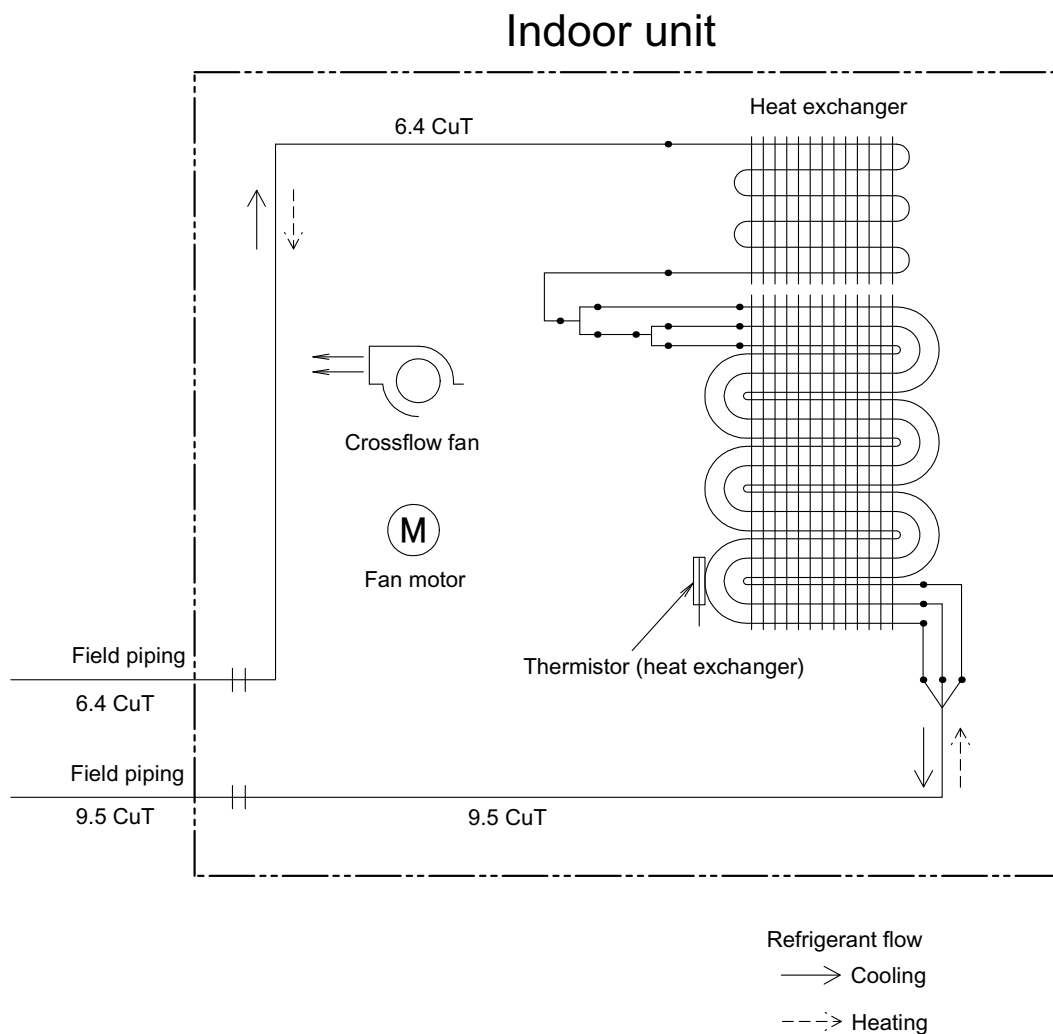


4D098105

6 Piping diagrams

6 - 1 Piping Diagrams

FTX35KV

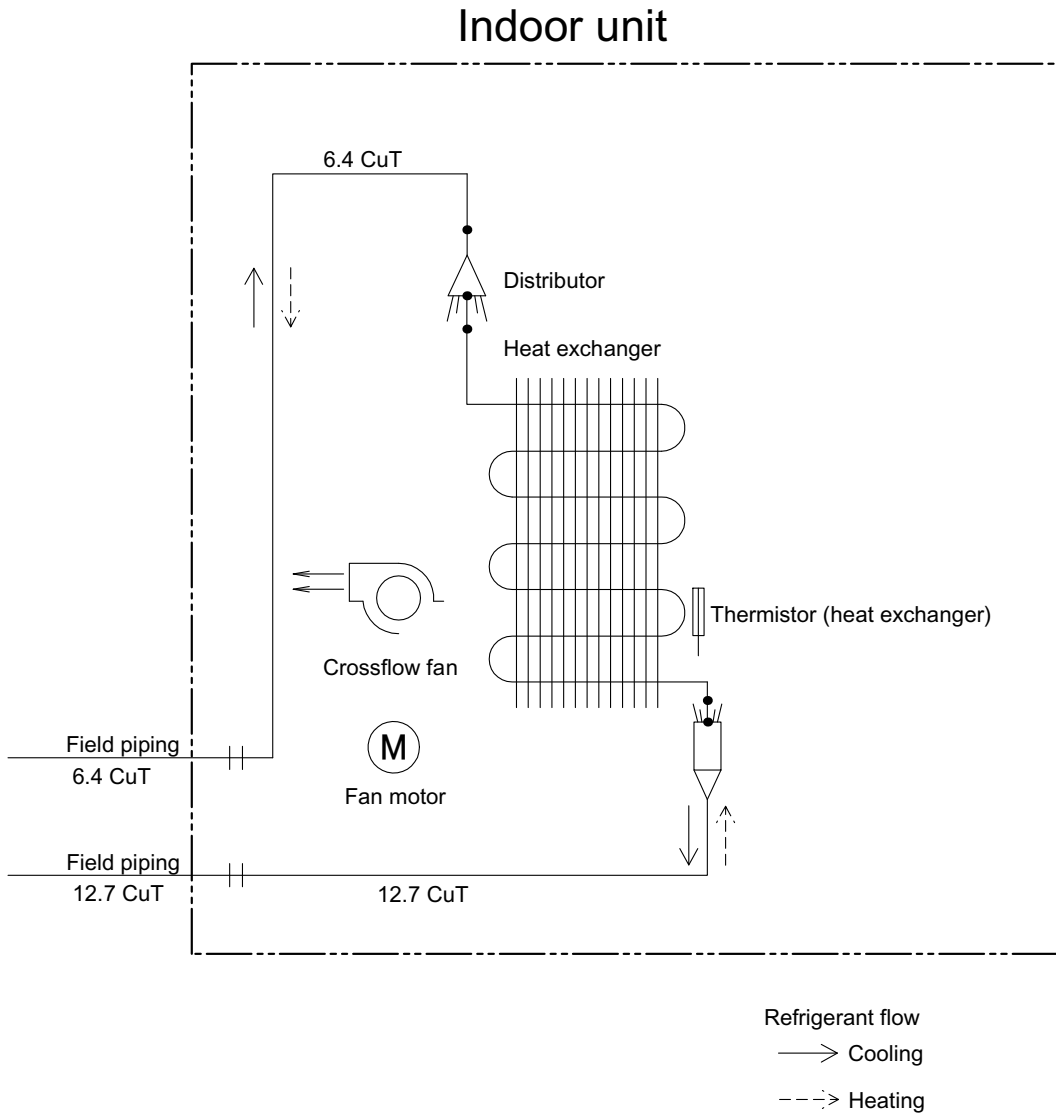


4D098106

6 Piping diagrams

6 - 1 Piping Diagrams

FTX50-71KV

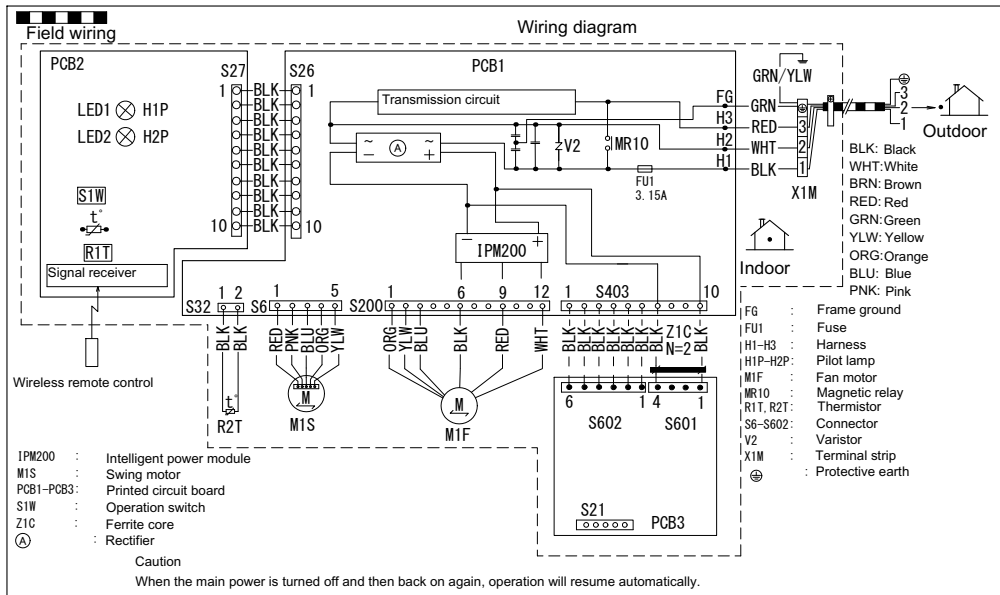


4D094179A

7 Wiring diagrams

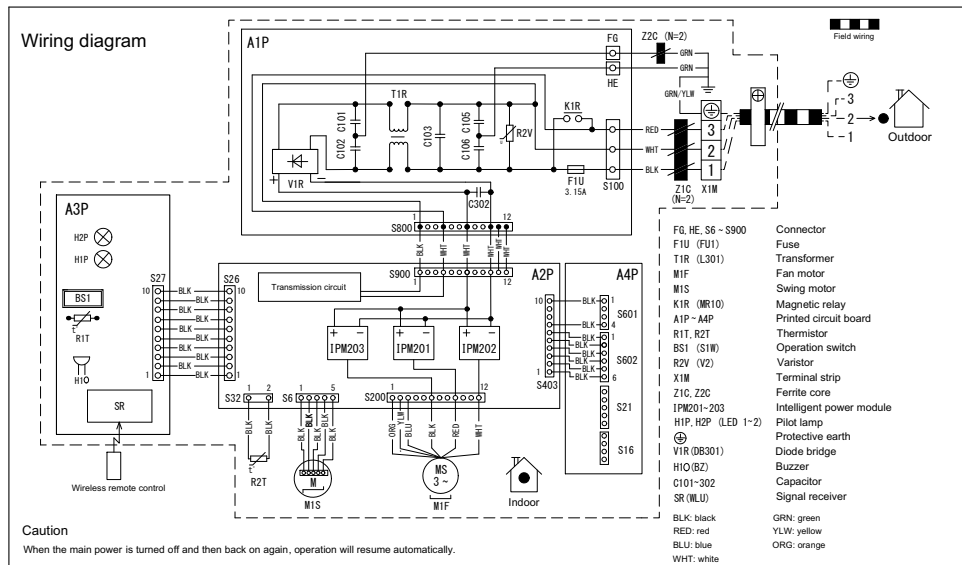
7 - 1 Wiring Diagrams - Single Phase

FTX20-35KV



3D095416A

FTX50-71KV

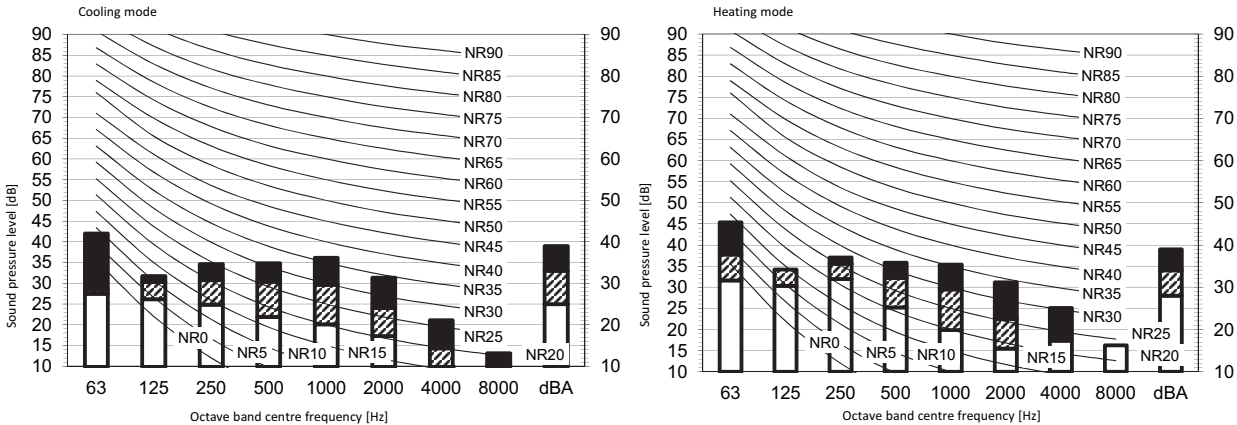


3D097876

8 Sound data

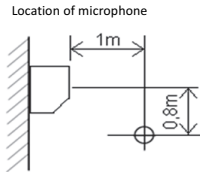
8 - 1 Sound Pressure Spectrum

FTX20KV



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

- A Scale
- B High-tap
- C Medium-tap
- D Low-tap

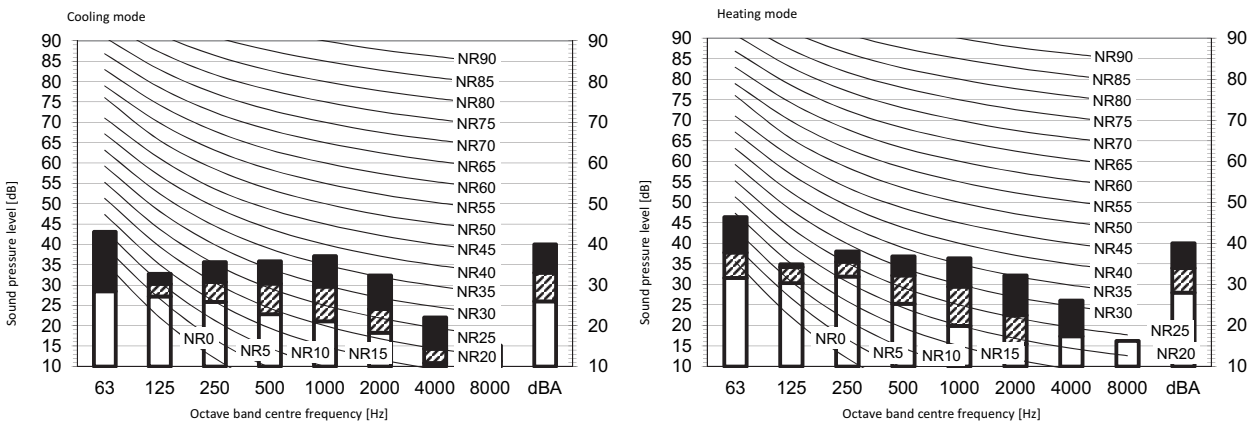


Cooling				Heating			
Total dBA				Total dBA			
A	B	C	D	A	B	C	D
dBA	39	33	25	dBA	39	34	28

- 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

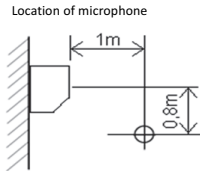
3D099188

FTX25KV



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

- A Scale
- B High-tap
- C Medium-tap
- D Low-tap



Cooling				Heating			
Total dBA				Total dBA			
A	B	C	D	A	B	C	D
dBA	40	33	26	dBA	40	34	28

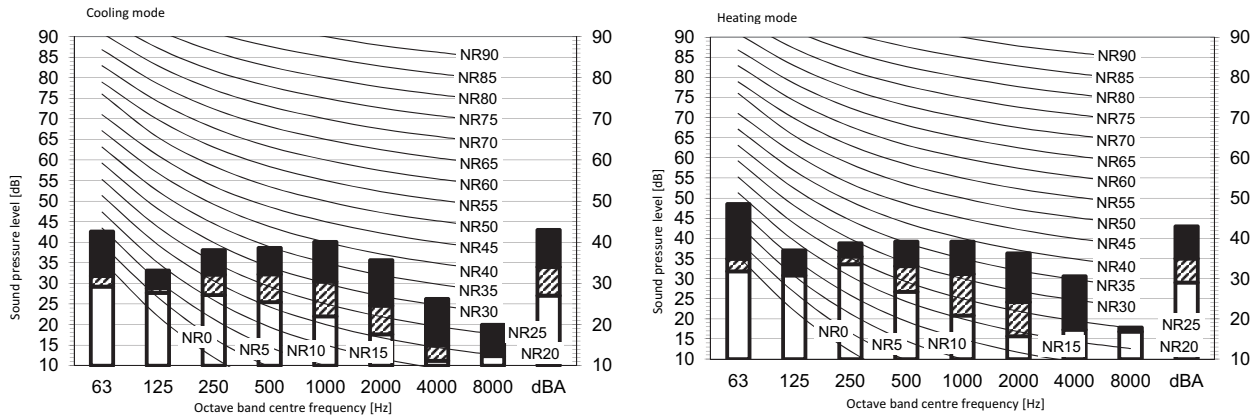
- Notes
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
 - Background noise already taken into account.
 - Operating noise varies depending on operation and ambient conditions.
 - The operation noise measuring method is in accordance with JISC9612.
 - Measuring location: anechoic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

3D099189

8 Sound data

8 - 1 Sound Pressure Spectrum

FTX35KV



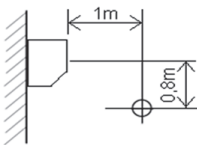
Legend

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

A Scale

- B High-tap
- C Medium-tap
- D Low-tap

Location of microphone



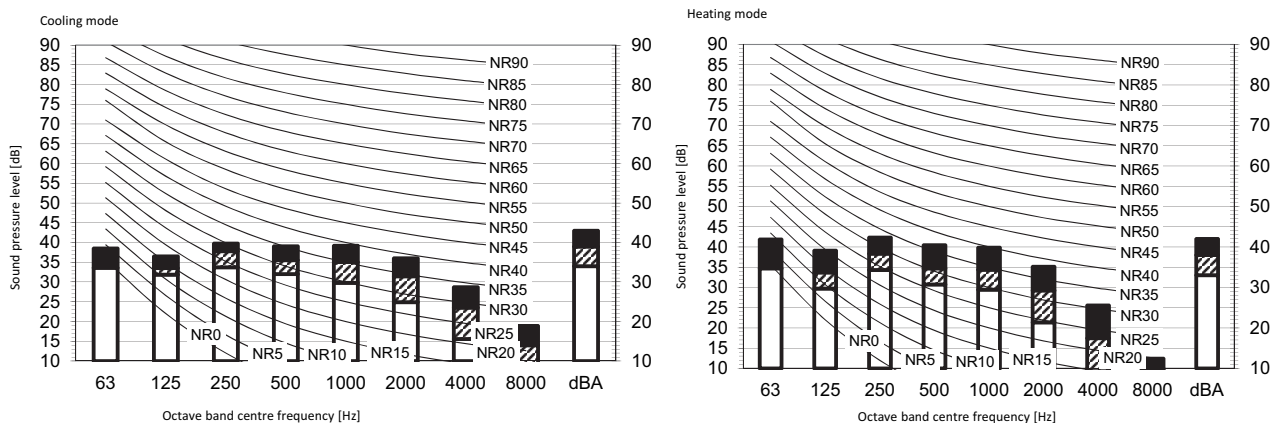
Cooling				Heating			
Total dBA				Total dBA			
A	B	C	D	A	B	C	D
dBA	43	34	27	dBA	43	35	29

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

3D099190

FTX50KV



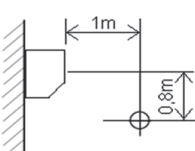
Legend

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

A Scale

- B High
- C Medium
- D Low

Location of microphone



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

Notes

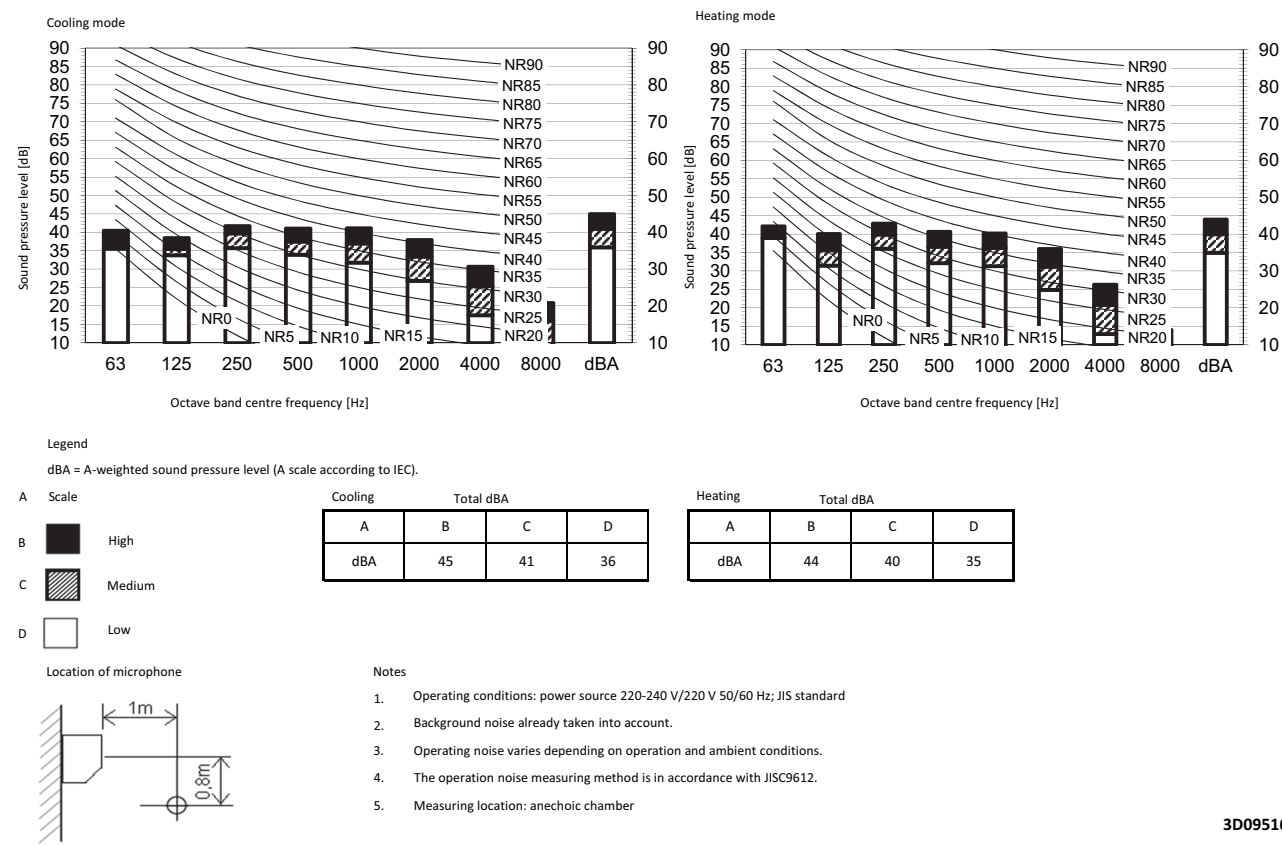
- Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- Background noise already taken into account.
- Operating noise varies depending on operation and ambient conditions.
- The operation noise measuring method is in accordance with JISC9612.
- Measuring location: anechoic chamber

3D095160A

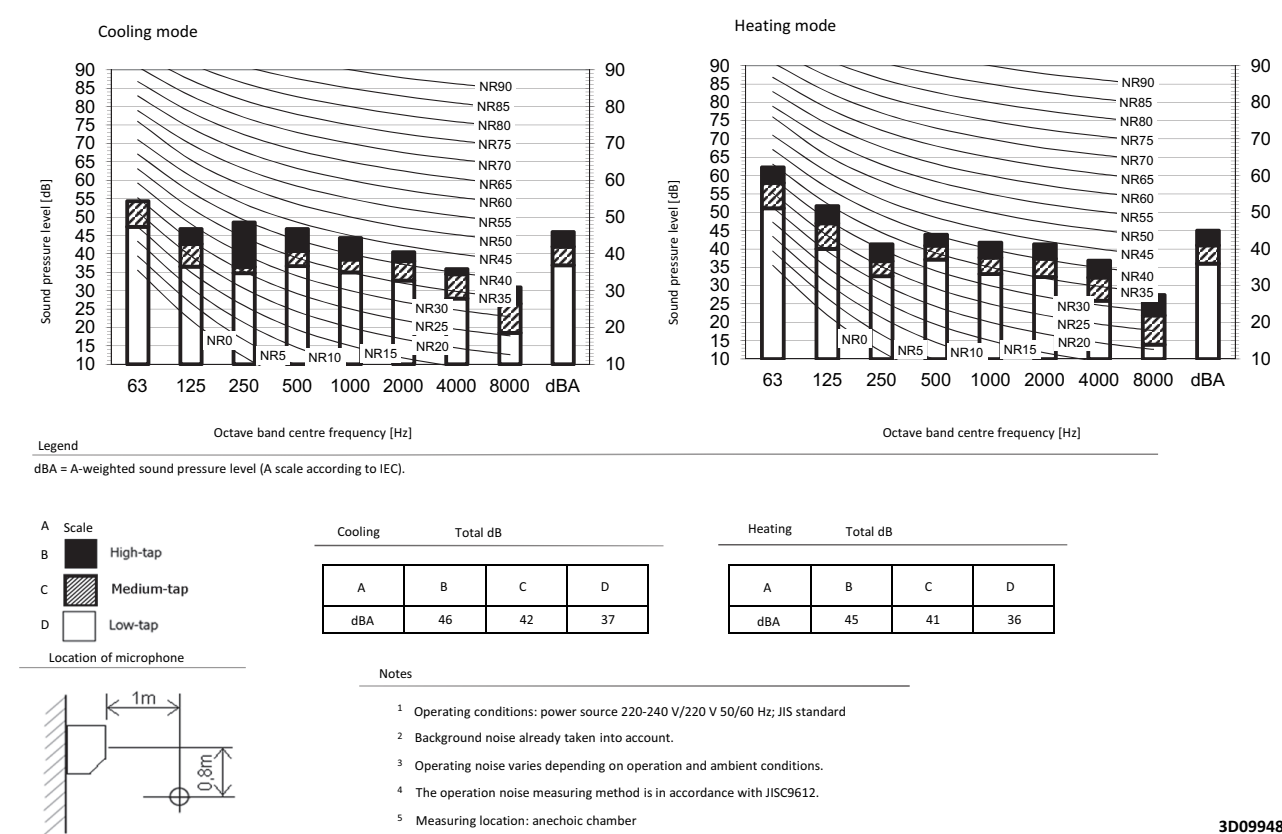
8 Sound data

8 - 1 Sound Pressure Spectrum

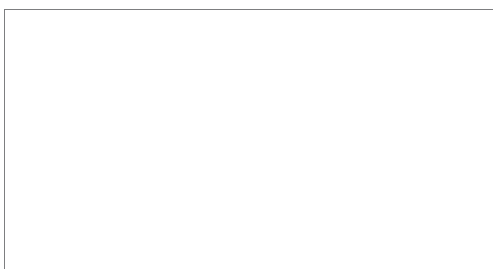
FTX60KV



FTX71KV



Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



ECDEN16

XXX-07/15



Daikin Europe N.V. participates in the Eurovent Certification programme for Liquid Chilling Packages (LCP), Air handling units (AHU), Fan coil units (FCU) and variable refrigerant flow systems (VRF) Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its 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. 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 leaflet. All content is copyrighted by Daikin Europe N.V.