DAIKIN

Air Conditioning

Technical Data

Wall mounted unit



EEDEN15-100

FTX-K

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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
- Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- Online controller (optional): 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





Energy saving during standby mode



Fan only



Auto cooling-heating changeover



Whisper quiet



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



Multi model application

2 Specifications

2-1 Technical Specifications					FTX20K	FTX25K	FTX35K	FTX50K	FTX60K
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			12	
	Packed unit			kg	11		11.5	17	
Packing	Weight			kg	3		3.5	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	1,140/1,030/880/800
	Output	Rated		W	22			46	
Sound power level	Cooling			dBA	55		58	59	60
	Heating			dBA	55		58		59

2 Specifications

2-1 Technical Specifications				FTX20K	FTX25K	FTX35K	FTX50K	FTX60K
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
	Heating	Super high/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
Control systems	Infrared remote control			ARC480A11				
	Wired remote control			BRC073 / BRC944B2				
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				FTX20K	FTX25K	FTX35K	FTX50K	FTX60K
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

3 Options

3 - 1 Options

FTX-K

Indoor Units - Control systems

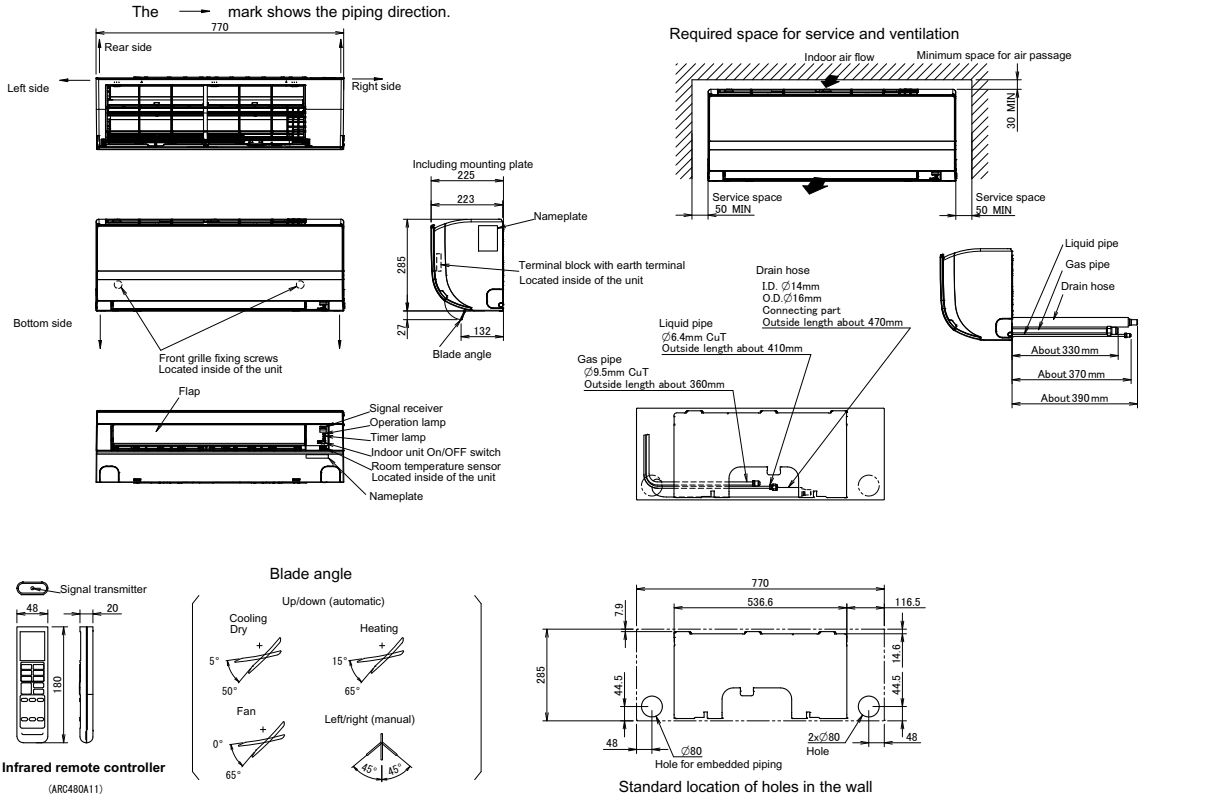
		FTX20-35K	FTX50-60K
Wired remote control		BRC944 (1) (2) BRC073 (1) (2)	
Cord for wired remote control	3m	BRCW901A03	
	8m	BRCW901A08	
Interface adapter for wired remote control		KRP067A41	KRP980B2
Interface adapter for DIII-net		KRP928A2S (2)	
Online controller		BRP069A43	BRP069A44
Modbus gateway		RTD-RA (2)	
KNX gateway		KLIC-DD (2)	

(1) Cord for wired remote control BRCW901A03 or BRCW901A08 required.
(2) Interface adapter KRP980A1, KRP067A41 or KRP980B2 required.

4 Dimensional drawings

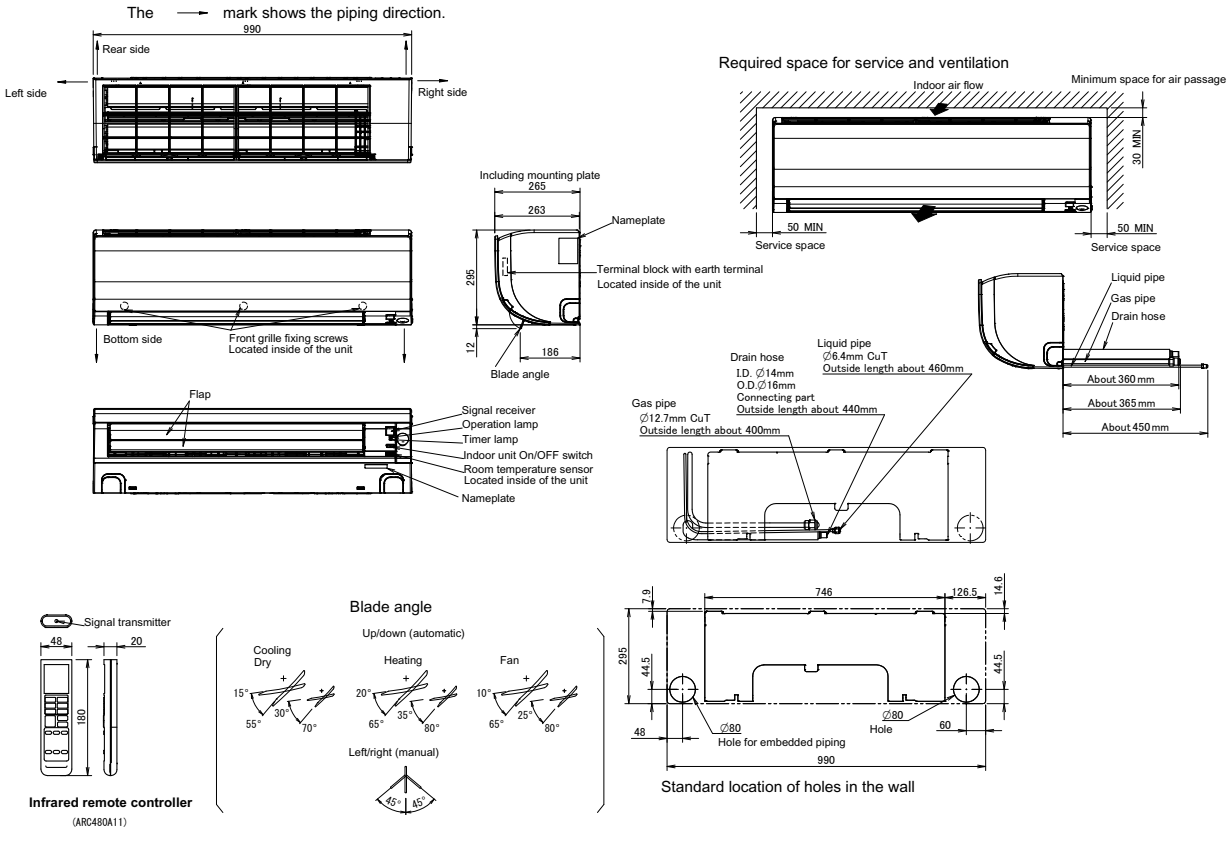
4 - 1 Dimensional Drawings

FTX20-35K



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FTX50-60K

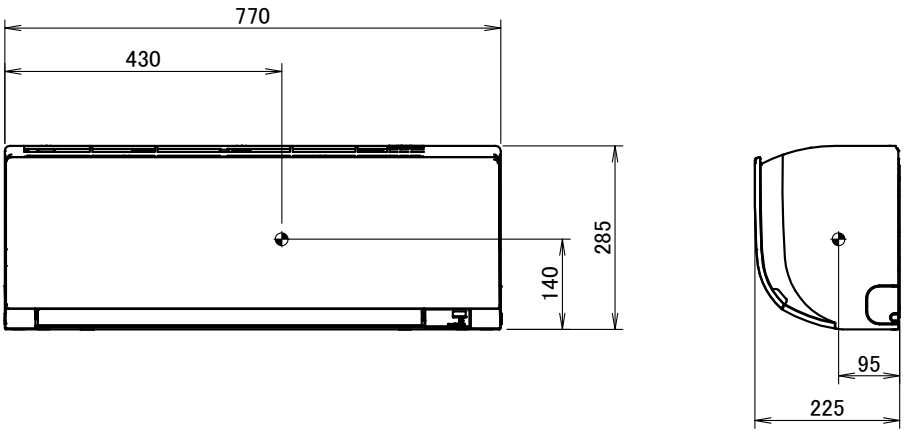


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5 Centre of gravity

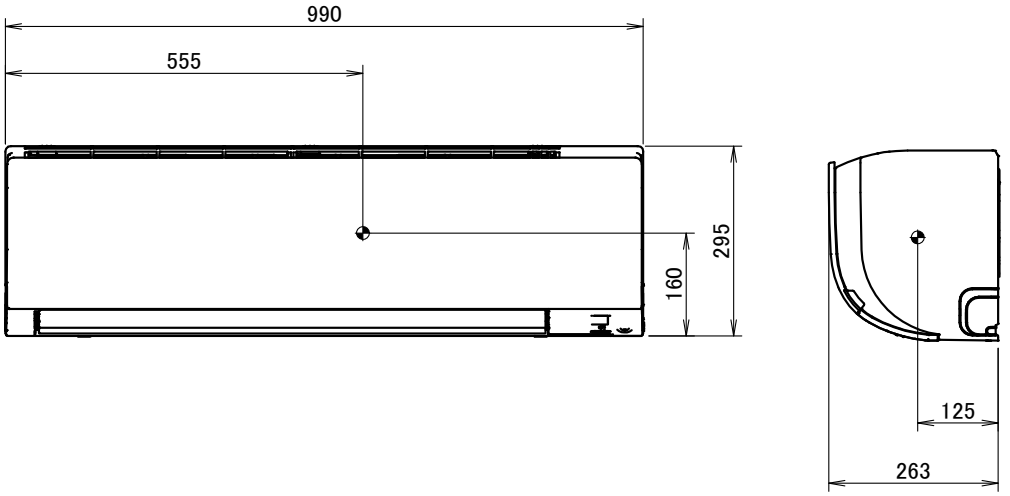
5 - 1 Centre of Gravity

FTX20-35K



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FTX50-60K

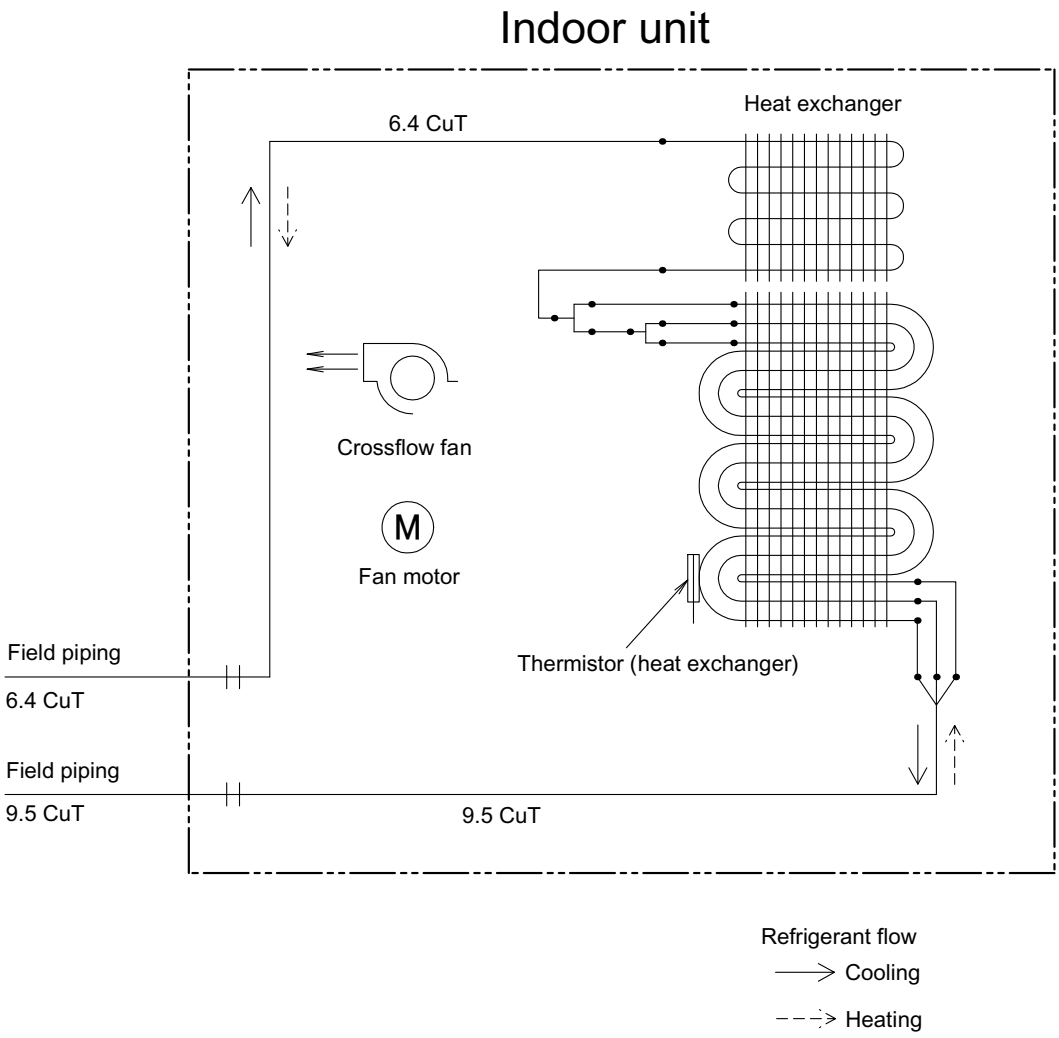


4D094259

6 Piping diagrams

6 - 1 Piping Diagrams

FTX20-35K

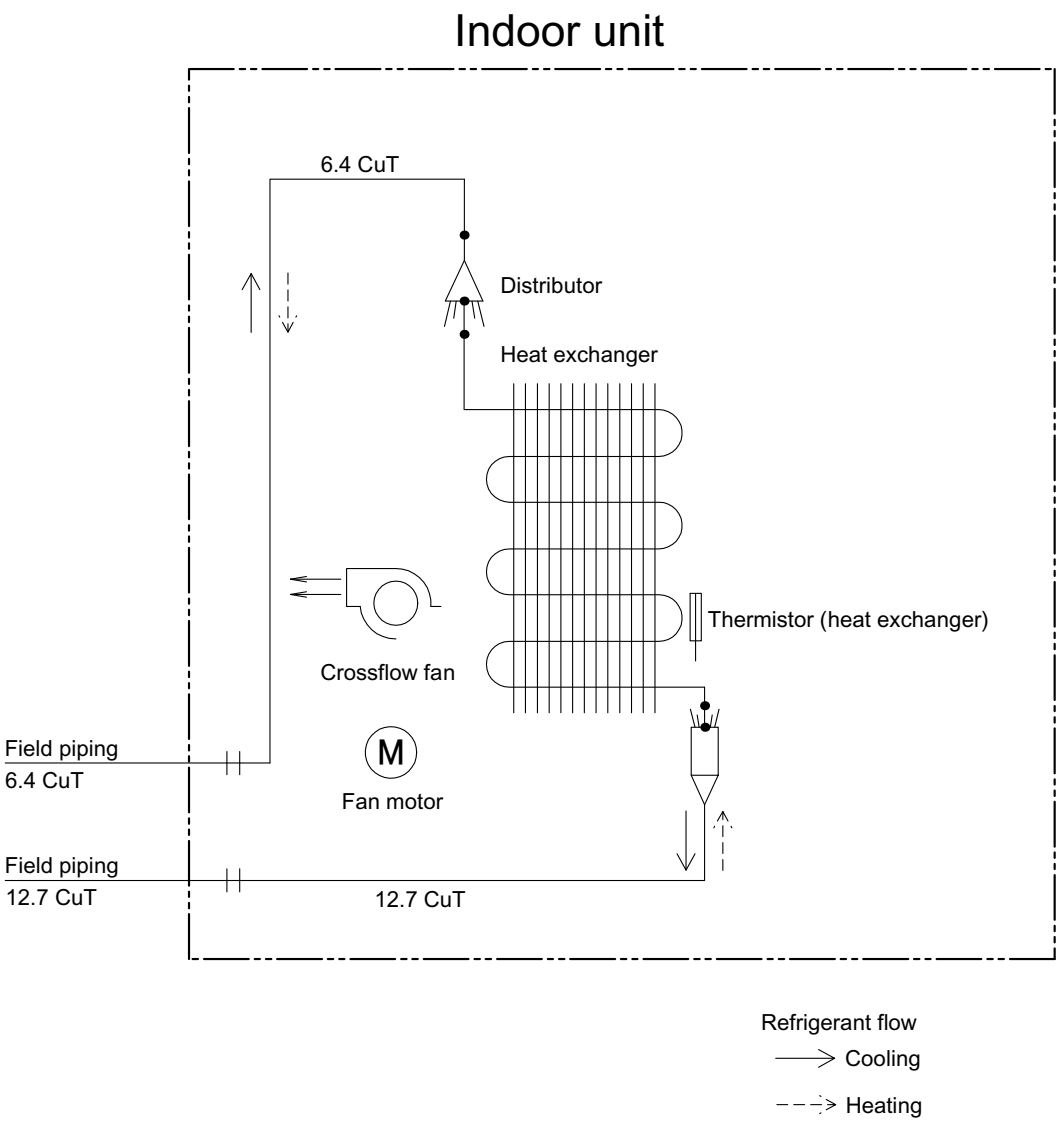


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6 Piping diagrams

6 - 1 Piping Diagrams

FTX50-60K

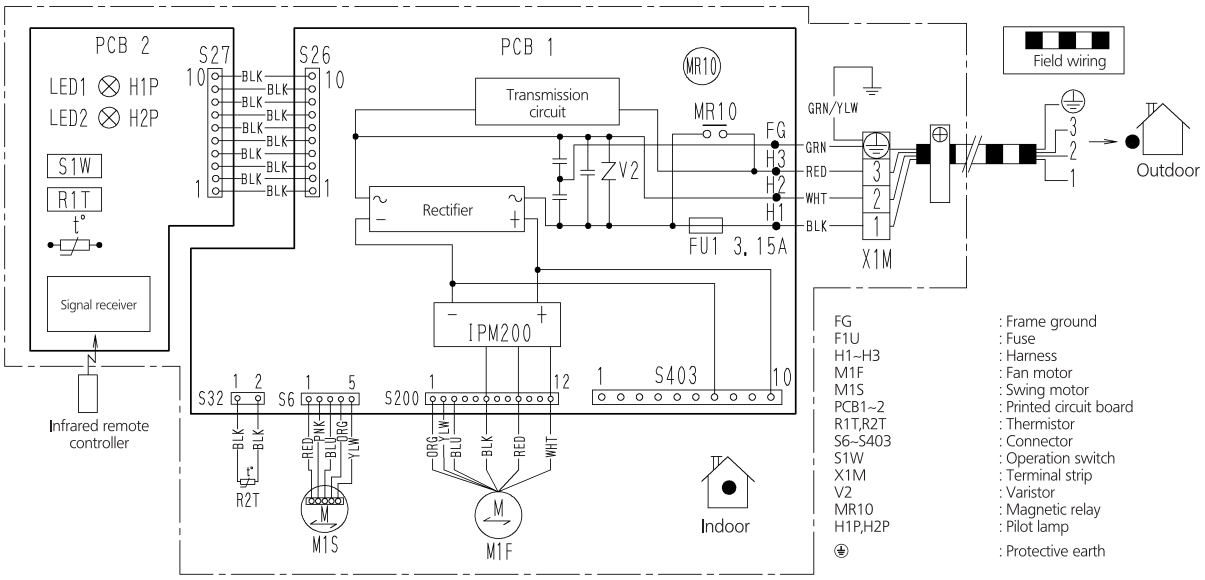


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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTX20-35K



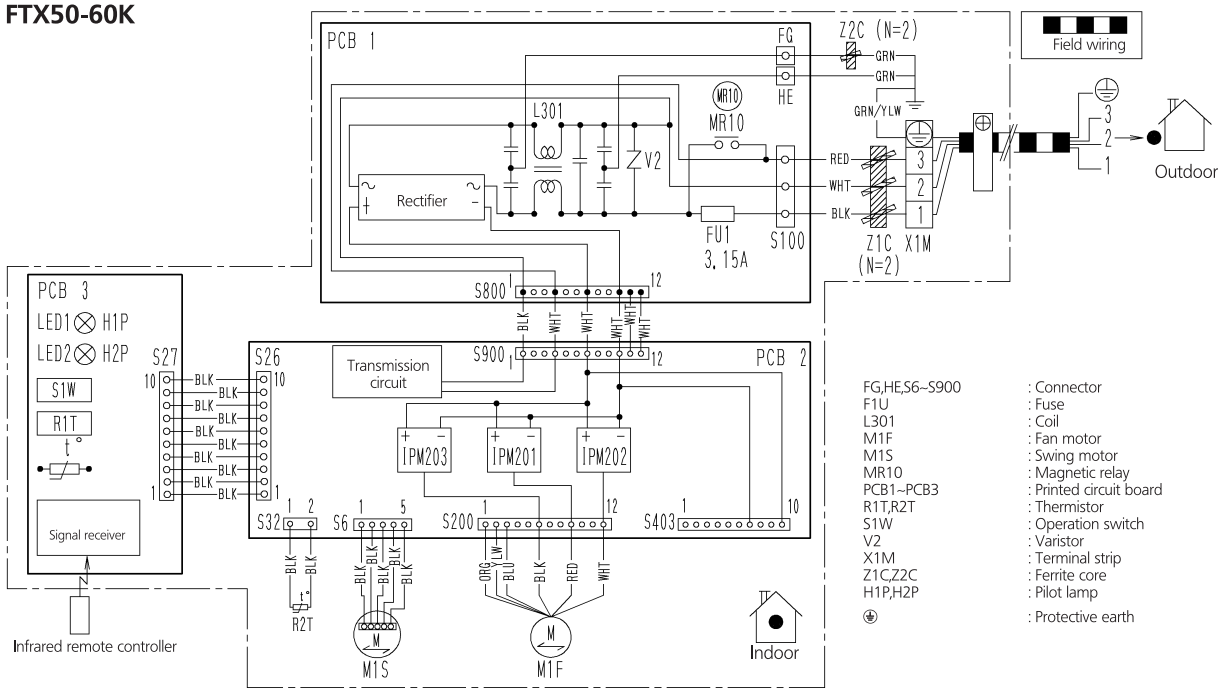
FG	: Frame ground
F1U	: Fuse
H1~H3	: Harness
M1F	: Fan motor
M1S	: Swing motor
PCB1~2	: Printed circuit board
R1T,R2T	: Thermistor
S6~S403	: Connector
S1W	: Operation switch
X1M	: Terminal strip
V2	: Varistor
MR10	: Magnetic relay
H1P,H2P	: Pilot lamp
⏚	: Protective earth

Notes
1. Size: length 65 x width 110
2. Refer to purchasing specification AS303002, unless otherwise specified.
3. This drawing was drawn on CAD system.

CAUTION
Notice that operation will restart automatically if the main power supply is turned off and then back on again.
High voltage - Be sure to discharge the capacitor completely before repair work.
Risk of failure or water leakage! Do not wash the inside of the air conditioner by yourself.

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FTX50-60K



FG,HE,S6~S900	: Connector
F1U	: Fuse
L301	: Coil
M1F	: Fan motor
M1S	: Swing motor
MR10	: Magnetic relay
PCB1~PCB3	: Printed circuit board
R1T,R2T	: Thermistor
S1W	: Operation switch
V2	: Varistor
X1M	: Terminal strip
Z1C,Z2C	: Ferrite core
H1P,H2P	: Pilot lamp
⏚	: Protective earth

Notes
1. Size: length 65 x width 110
2. Refer to purchasing specification AS303002, unless otherwise specified.
3. This drawing was drawn on CAD system.

CAUTION
Notice that operation will restart automatically if the main power supply is turned off and then back on again.
High voltage - Be sure to discharge the capacitor completely before repair work.
Risk of failure or water leakage! Do not wash the inside of the air conditioner by yourself.

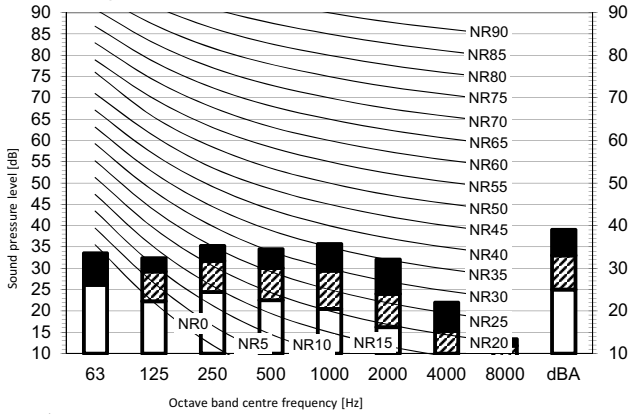
3D092504A

8 Sound data

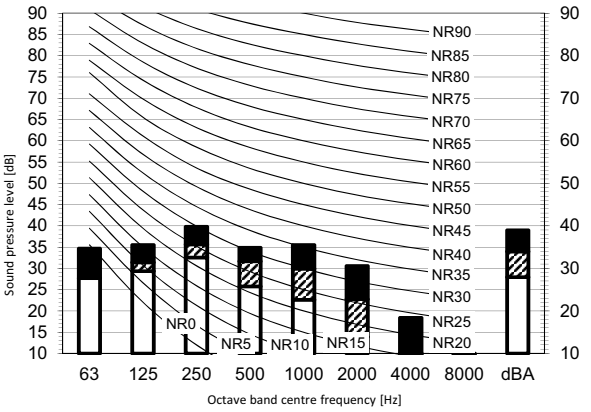
8 - 1 Sound Pressure Spectrum

FTX20K

Cooling mode



Heating mode

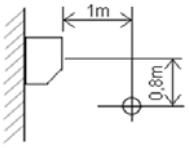


Legend

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	Total dB		
A	B	C	D
dBA	39	33	25

Heating	Total dB		
A	B	C	D
dBA	39	34	28

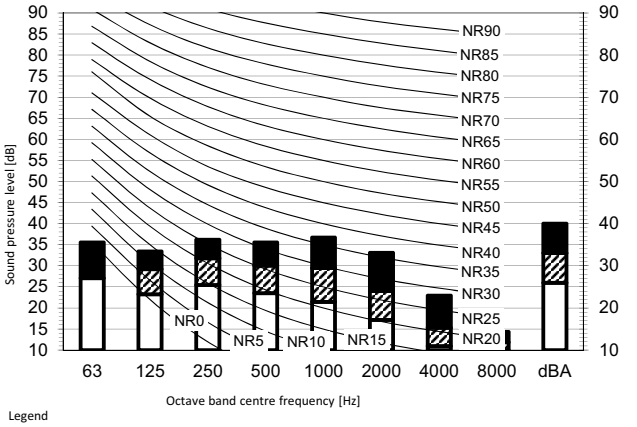
Notes

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

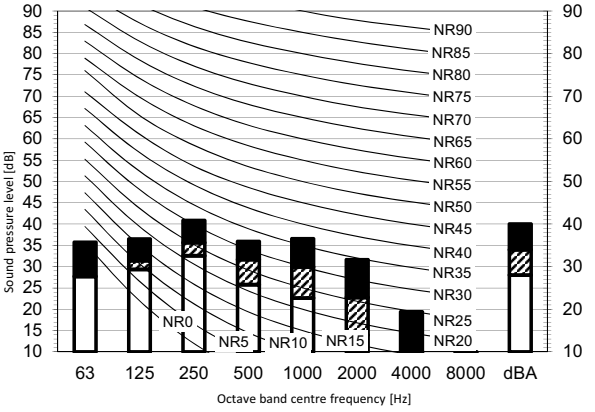
3D095156

FTX25K

Cooling mode



Heating mode

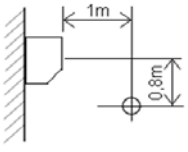


Legend

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	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

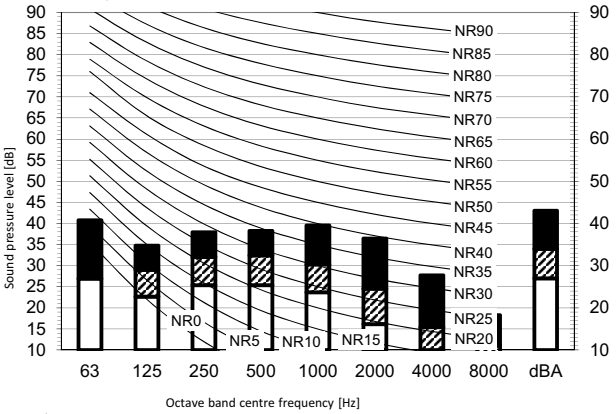
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8 Sound data

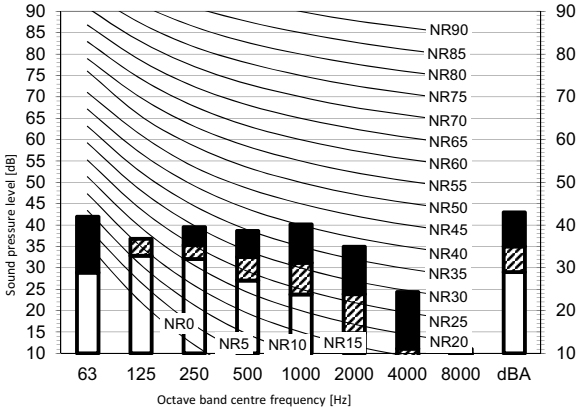
8 - 1 Sound Pressure Spectrum

FTX35K

Cooling mode

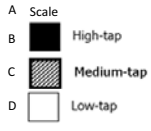


Heating mode

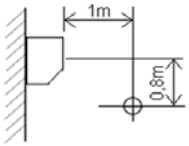


Legend

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



Location of microphone



Cooling	Total dB		
A	B	C	D
dBA	43	34	27

Heating	Total dB		
A	B	C	D
dBA	43	35	29

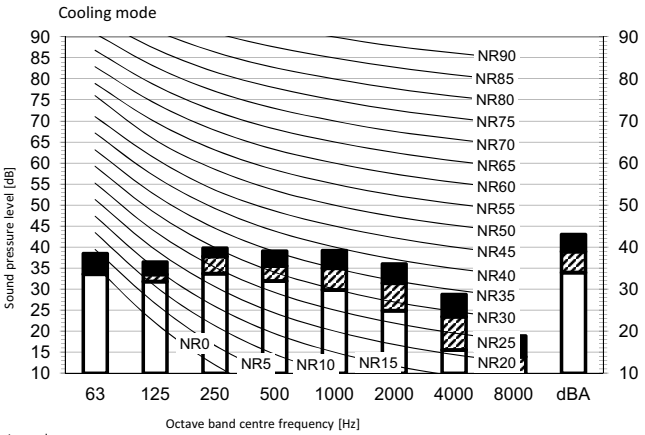
Notes

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

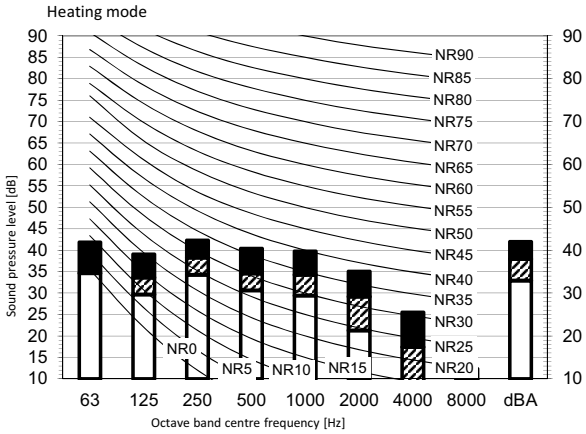
3D095158

FTX50K

Cooling mode

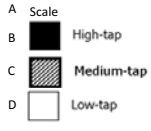


Heating mode

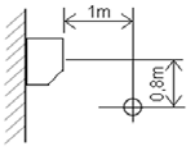


Legend

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



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

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

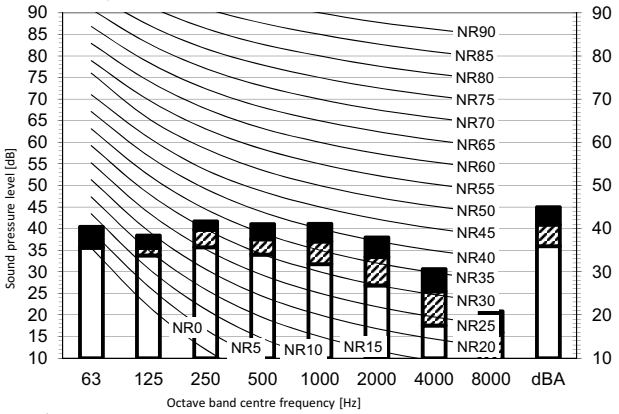
3D095160

8 Sound data

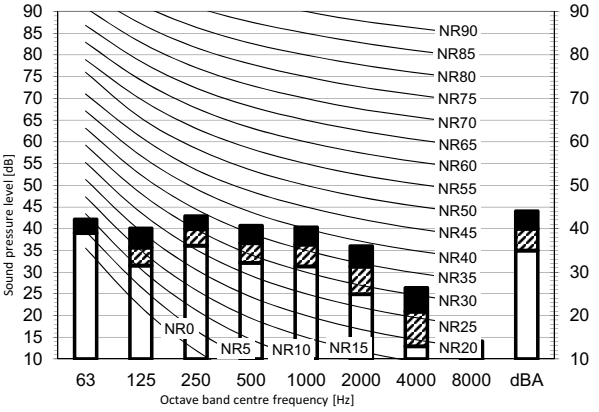
8 - 1 Sound Pressure Spectrum

FTX60K

Cooling mode



Heating mode



Legend

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

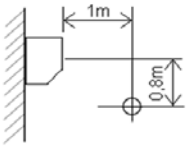
A Scale

B High-tap

C Medium-tap

D Low-tap

Location of microphone



Cooling 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

3D095161

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