



Air Conditioning

Technical Data

Wall mounted unit



EEEDEN14-100

FTX-JV/GV

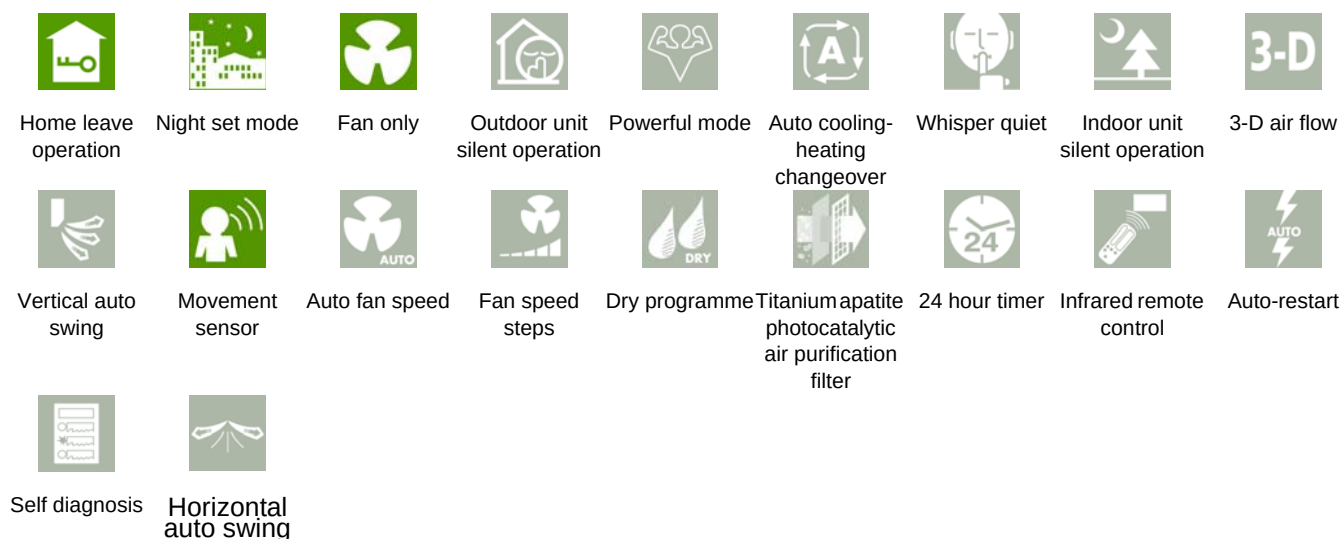
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FTX-JV/GV

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1 Features

- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces (50, 60, 71 class)
- Movement sensor saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room. (50, 60, 71 class)
- Horizontal auto swing moves the discharge flaps left and right for efficient air and temperature distribution throughout the room
- Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Dry programme allows humidity levels to be reduced without variations in room temperature
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen (50, 60, 71 class)
- Home leave operation maintains the indoor temperature at your specified comfort level during absence, thus saving energy (20, 25, 35 class)
- Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- Whisper quiet operation: down to 22dBA sound pressure level
- Powerful mode can be selected for rapid heating or cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- Night set mode saves energy by preventing overcooling or overheating during night time
- Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room



2 Specifications

2-1 Technical Specifications					FTX20JV		FTX25JV		FTX35JV		FTX50GV		FTX60GV		FTX71GV			
Power input	Cooling		Nom.		kW		0.040					0.034		0.040 / 0.040 / 0.040		0.045 / 0.045 / 0.045		
	Heating		Nom.		kW		0.040					0.036		0.045 / 0.045 / 0.045		0.060 / 0.060 / 0.06		
Casing	Colour					White												
Dimensions	Unit		Height/Width/ Depth		mm		283/770/198					290/1,050/238						
	Packed unit		Height/Width/ Depth		mm		345/846/266					337/1,147/366			366/1,147/337			
Weight	Unit				kg		7					12						
	Packed unit				kg		11					17						
Heat exchanger	Length				mm		610					863						
	Rows		Quantity			2												
	Fin pitch				mm		1.4											
	Stages		Quantity			14					16							
	Tube type				ø7 Hi-XA			Hi-XA		ø7 Hi-XD								
	Fin		Type			ML fin (Multi louver)												
	Fan	Type				Cross flow fan												
Air flow rate		Cooling	High	m³/min	9.1	9.2	9.3	14.7	16.2	17.4								
				cfm	321	325	328	519	572	614								
			Nom.	m³/min	7.4	7.6	7.7	14.7	16.2	14.6								
				cfm	261	268	272	519	572	516								
			Low	m³/min	5.9	6.0	6.1	10.3	11.4	11.6								
				cfm	208	212	215	364	403	410								
		Silent operati on	m³/min	4.7	4.8	4.9	9.5	10.2	10.6									
			cfm	166	169	173	335	360	374									
		Heating	High	m³/min	9.4	9.7	10.1	16.1	17.4	19.7								
				cfm	331	342	356	568	614	696								
			Nom.	m³/min	7.8	8.0	8.4	13.9	15.1	16.9								
				cfm	276	283	295	491	533	597								
			Low	m³/min	6.3		6.7	11.5	12.7	14.3								
				cfm	222		235	406	448	505								
			Silent operati on	m³/min	5.5		5.7	10.2	11.4	12.7								
				cfm	194		201	360	403	448								
Fan motor	Model				MM6C02J2VA					ARW30W8P43DK			D43F-31					
	Speed	Steps			5 + silent, + auto													
		Cooling	High/ Mediu m/Low/ Silent operati on	rpm	1,210/990/780/ 630		1,250/1,030/ 820/630		1,300/1,070/ 850/680		1,240/1,080/ 930/860		1,330/1,170/ 1,010/920		1,410/1,220/ 1,040/950			
					1,260/1,090/ 920/820		1,300/1,110/ 920/820		1,340/1,150/ 960/850		1,270/1,110/ 960/870		1,360/1,200/ 1,040/950		1,520/1,330/ 1,150/1,040			
	Output	High		W	16					43								
Sound power level	Cooling				dBA		55			58		59		60		63		
	Heating				dBA		55			58			59		62			
Sound pressure level	Cooling		High/Nom./Low/ Silent operation		dBA		39/33/25/22		40/33/26/22		41/34/27/23		43/39/34/31		45/41/36/33		46/42/37/34	
	Heating		Super high/High/ Nom./Low/Silent operation		dBA		-39/34/28/25		-40/34/28/25		-41/35/29/26		-42/38/33/30		-44/40/35/32		-46/42/37/34	
Refrigerant	Type				R-410A													

2 Specifications

2-1 Technical Specifications			FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV
Piping connections	Liquid	OD	6.35					
	Gas	OD	9.5			12.7		15.9
	Drain		18					
	Heat insulation		Both liquid and gas pipes					
Temperature control			Microcomputer control					
Air direction control			Right, Left, Horizontal, Downward					
Air filter	Type		Removable / washable / mildew proof					

Standard Accessories : ; Quantity : Titanium apatite photocatalytic air purification filter without frame;

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

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Infrared remote control; Quantity : 1;

Standard Accessories : Mounting plate; Quantity : 1;

Standard Accessories : Indoor unit fixing screws (M4 x 12L); Quantity : 2;

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

Standard Accessories : Wireless remote control; Quantity : 1;

2-2 Electrical Specifications				FTX20JV	FTX25JV	FTX35JV	FTX50GV	FTX60GV	FTX71GV
Power supply	Name			V1					
	Phase			1~					
	Frequency		Hz	50					
	Voltage		V	220-240					
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.18			0.16 / 0.15 / 0.15	0.19 / 0.18 / 0.17	0.21 / 0.20 / 0.19
		Heating	A	0.18			0.17 / 0.16 / 0.16	0.21 / 0.20 / 0.19	0.28 / 0.27 / 0.26
Wiring connections - 50Hz	For power supply	Quantity		3			-		3
		Remark		3 for power supply, 4 for interunit wiring (Earth wire included)					

Notes

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

(2) 220V

(3) 230V

(4) 240V

3 Options

3 - 1 Options

FTX-JV

Indoor Units - Control systems

		FTX20V	FTX25V	FTX35V
Wired remote control (1)			BRC944 (1) (2)	
Cord for wired remote control	3m		BRCW901A03	
	8m		BRCW901A08	
Anti-theft protection for remote control			KXF917AA4	
Interface adapter for wired remote control			KRP980A1	

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

FTX-GV

Indoor Units - Control systems

		FTX50GV	FTX60GV	FTX71GV
Wired remote control (2)			BRC944	
Cord for wired remote control	3m		BRCW901A03	
	8m		BRCW901A08	
Wiring adapter normal open contact / normal open pulse contact			KRP413A1S	
Centralised control board	Up to 5 rooms		KRC72 (1)	
Anti-theft protection for remote control			KXF917AA4	
Central remote controller			DCS302CS1	
Unified ON/OFF control			DCS301BS1	
Schedule timer			DSF301BS1	
Interface adapter for DII-net			KRP928A2S	
Online controller			KRP01A	
External mounting kit for online controller			KRP01A	
Wifi power cable for online controller			KRP01A	
Touch LCD wall controller (3)			KBRC01A	
Simple wall controller (3)			KBRC01A	
KNX gateway			KLJC-DD	

(1) Wiring adapter is also required for each indoor unit.
 (2) Cord for wired remote control BRCW901A03 or BRCW901A08 required.
 (3) Can only be used in combination with online controller KRP01A.

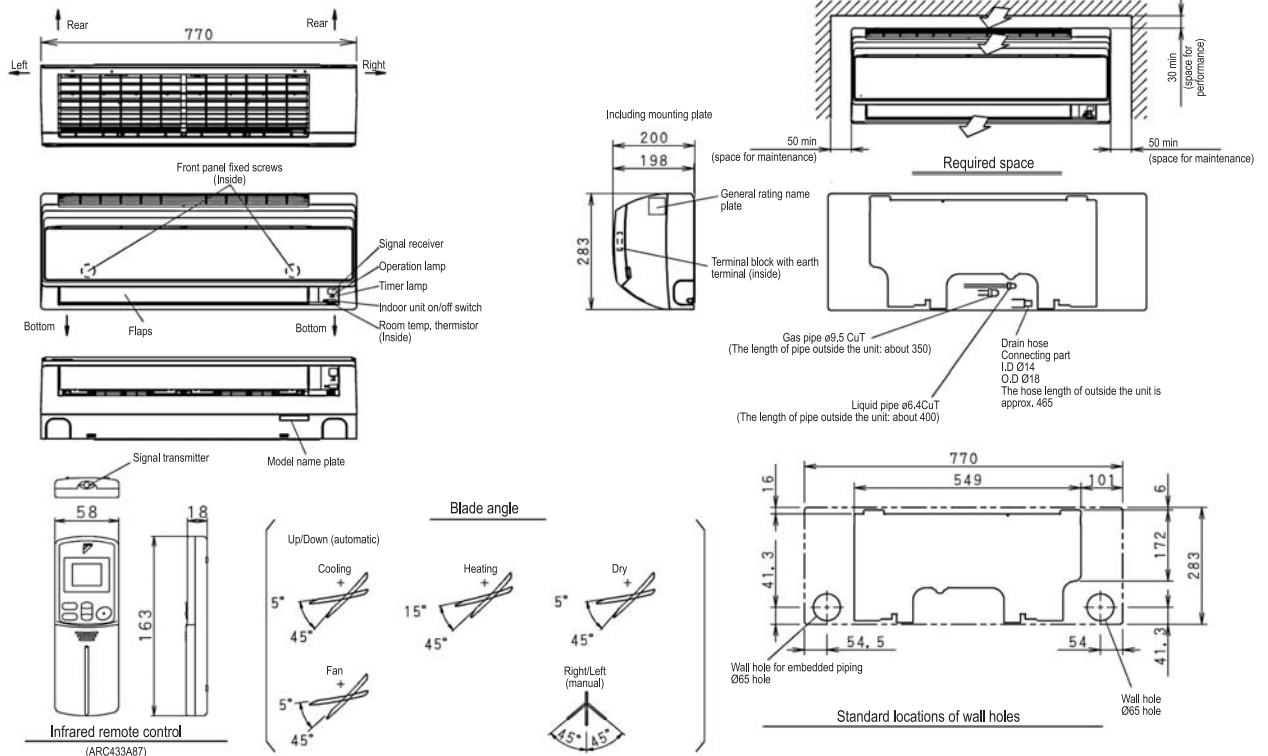
Indoor Units

	FTX50GV	FTX60GV	FTX71GV
Titanium apatite photocatalytic air-purifying filter without frame		KAF952B42	

4 Dimensional drawings

4 - 1 Dimensional Drawings

FTX-JV

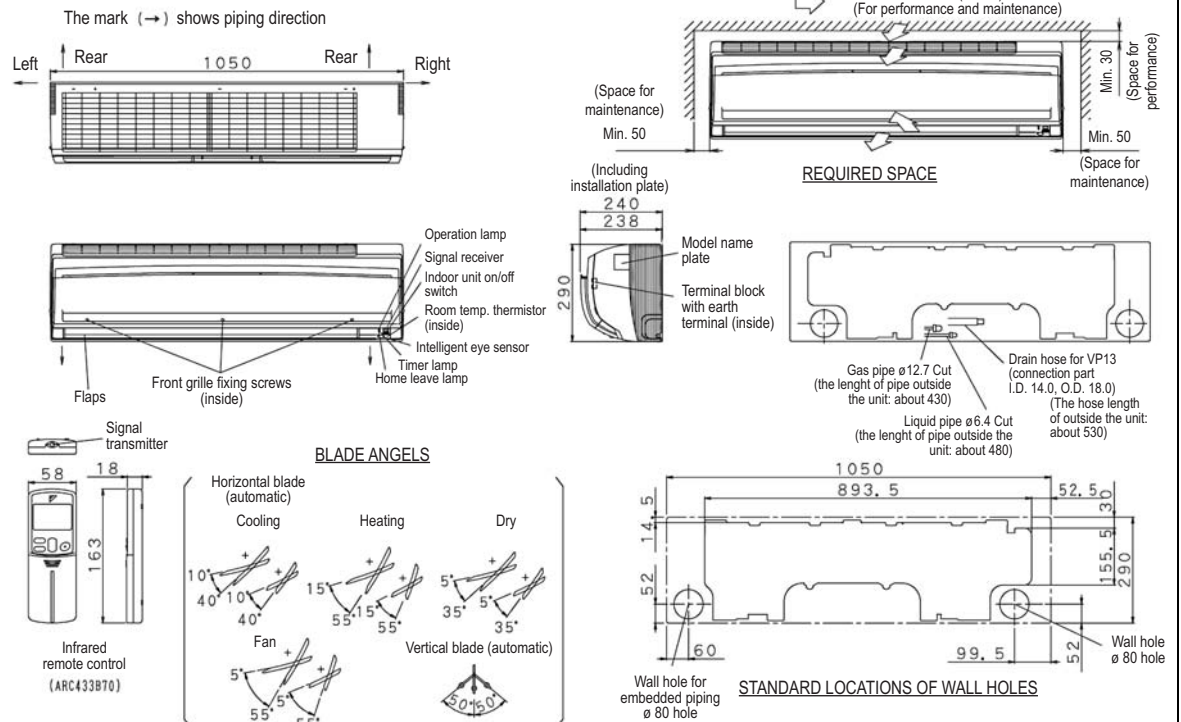


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NOTES

- The mark (→) shows piping direction.

FTX50-60GV

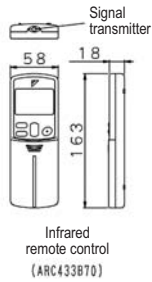
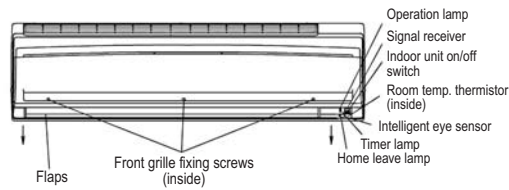
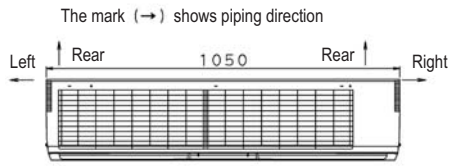


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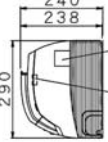
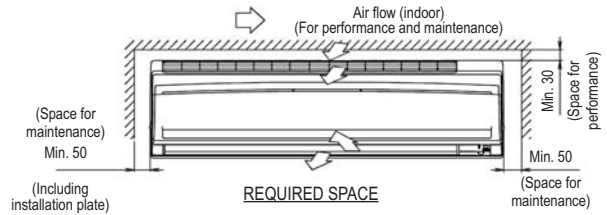
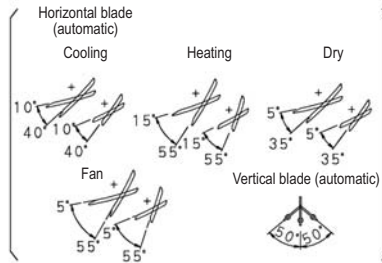
4 Dimensional drawings

4 - 1 Dimensional Drawings

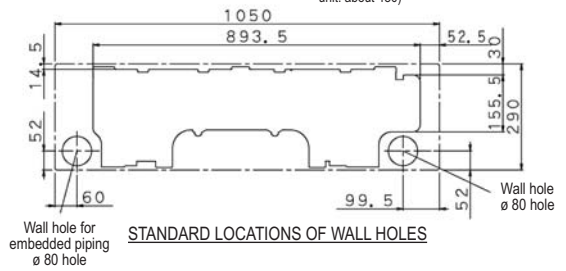
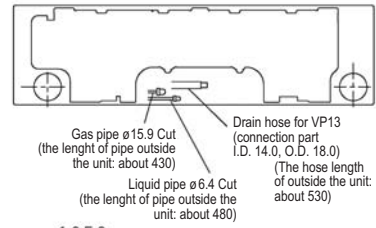
FTX71GV



BLADE ANGLES



Model name plate
Terminal block with earth terminal (inside)



STANDARD LOCATIONS OF WALL HOLES

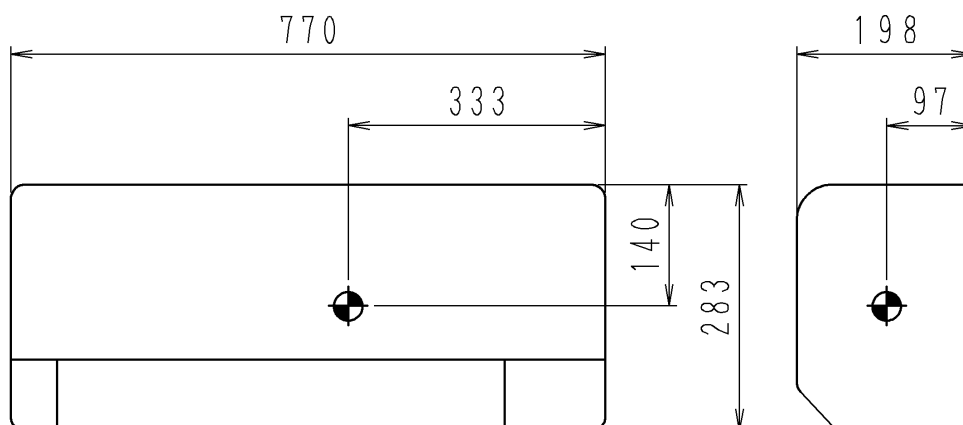
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5 Centre of gravity

5 - 1 Centre of Gravity

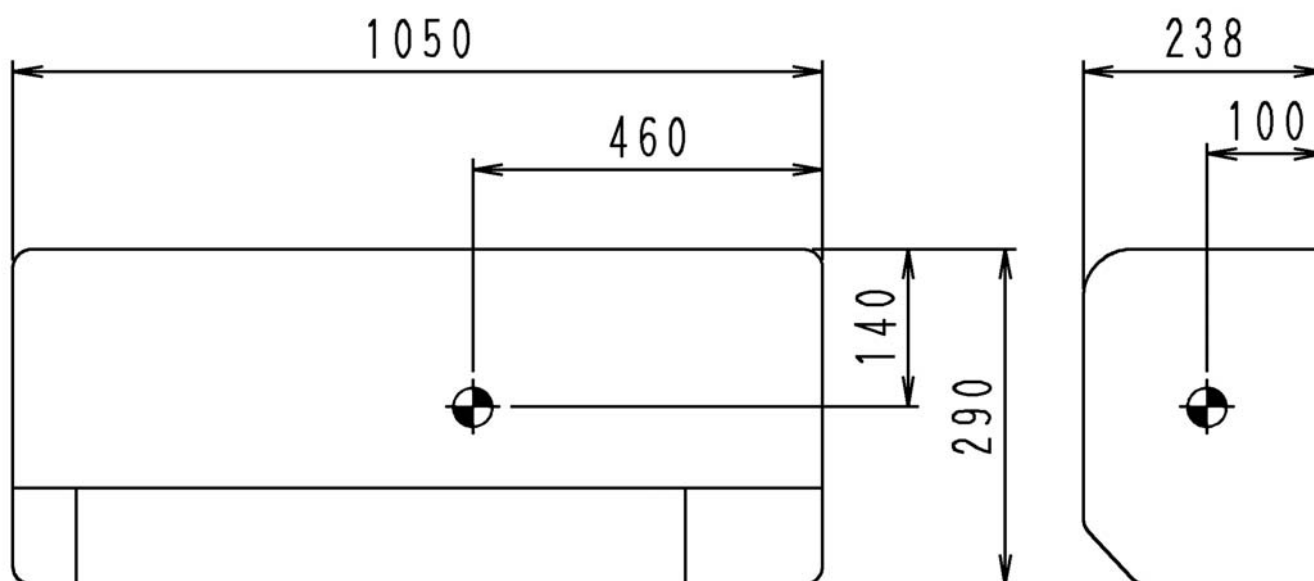
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FTX-JV



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FTX50-71GV

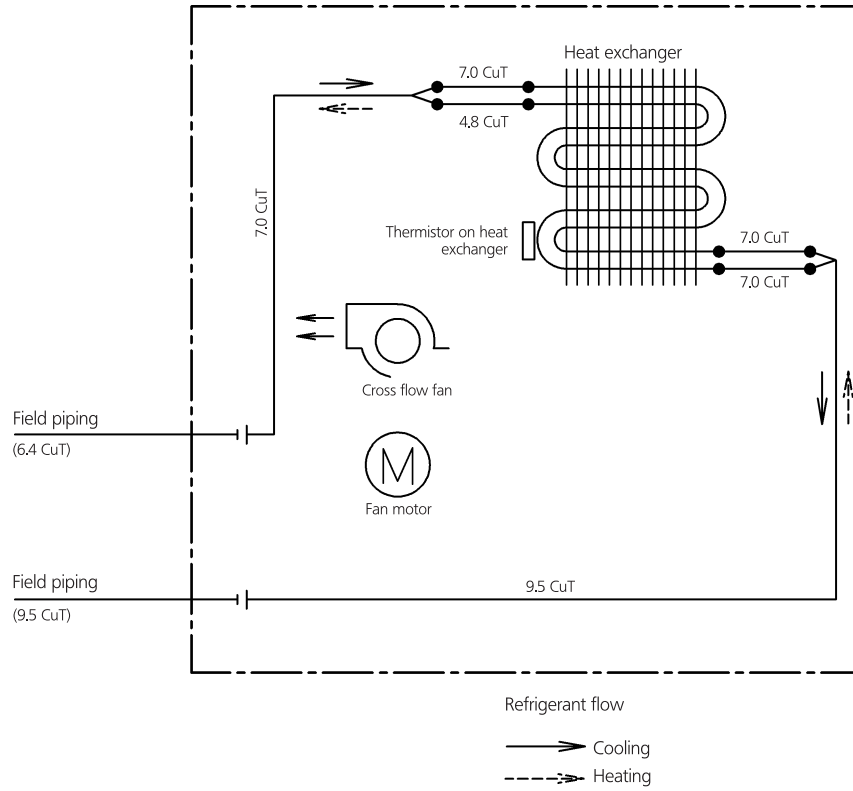


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6 Piping diagrams

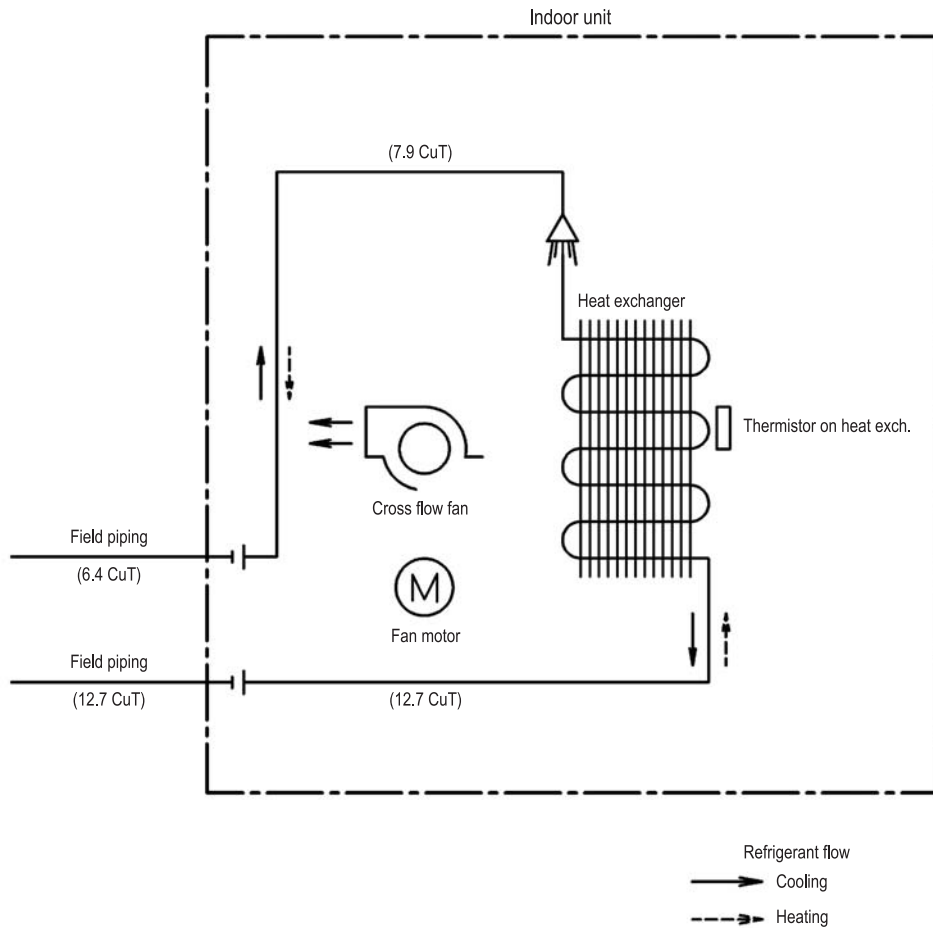
6 - 1 Piping Diagrams

FTX-JV



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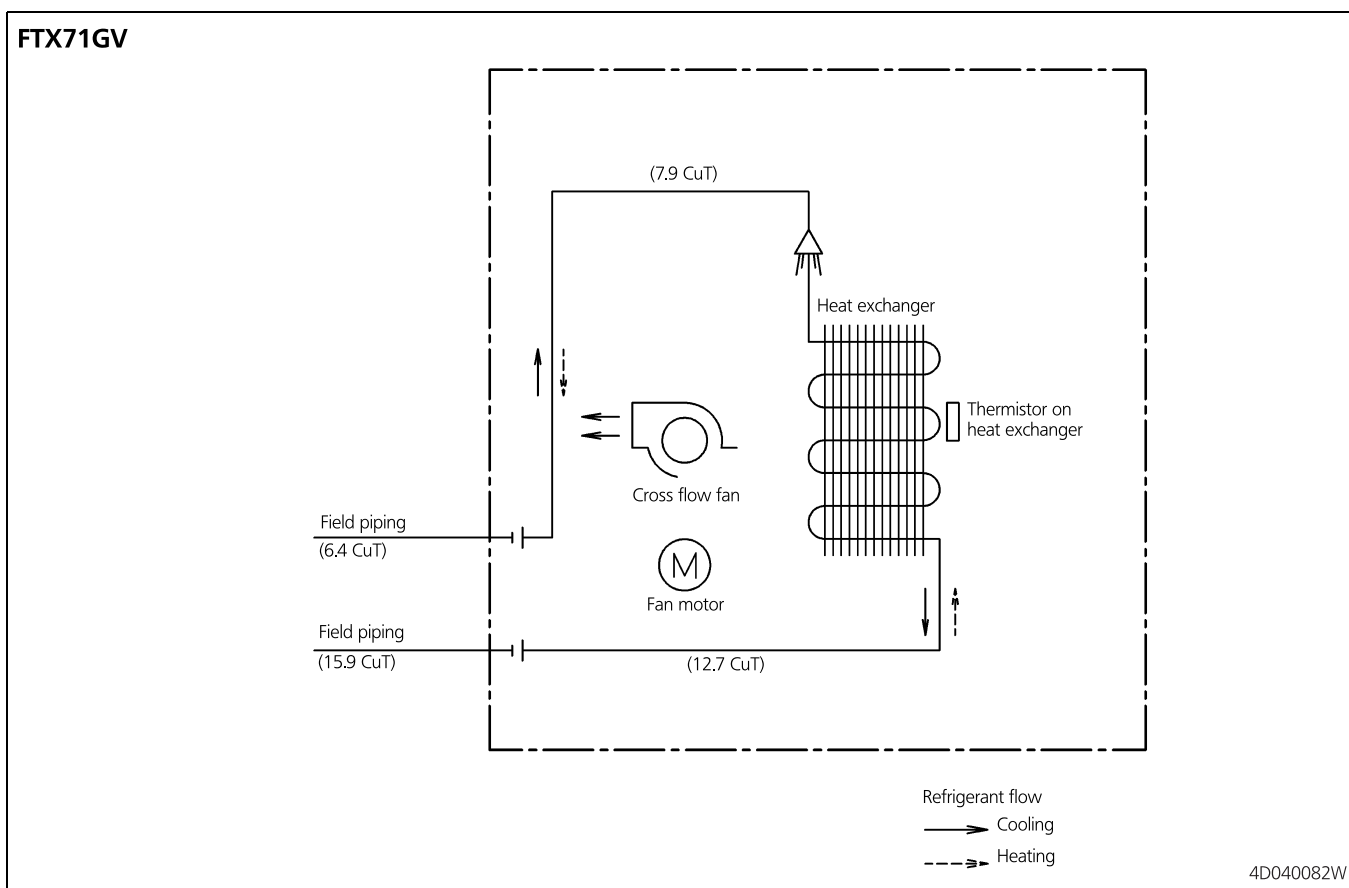
FTX50-60GV



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6 Piping diagrams

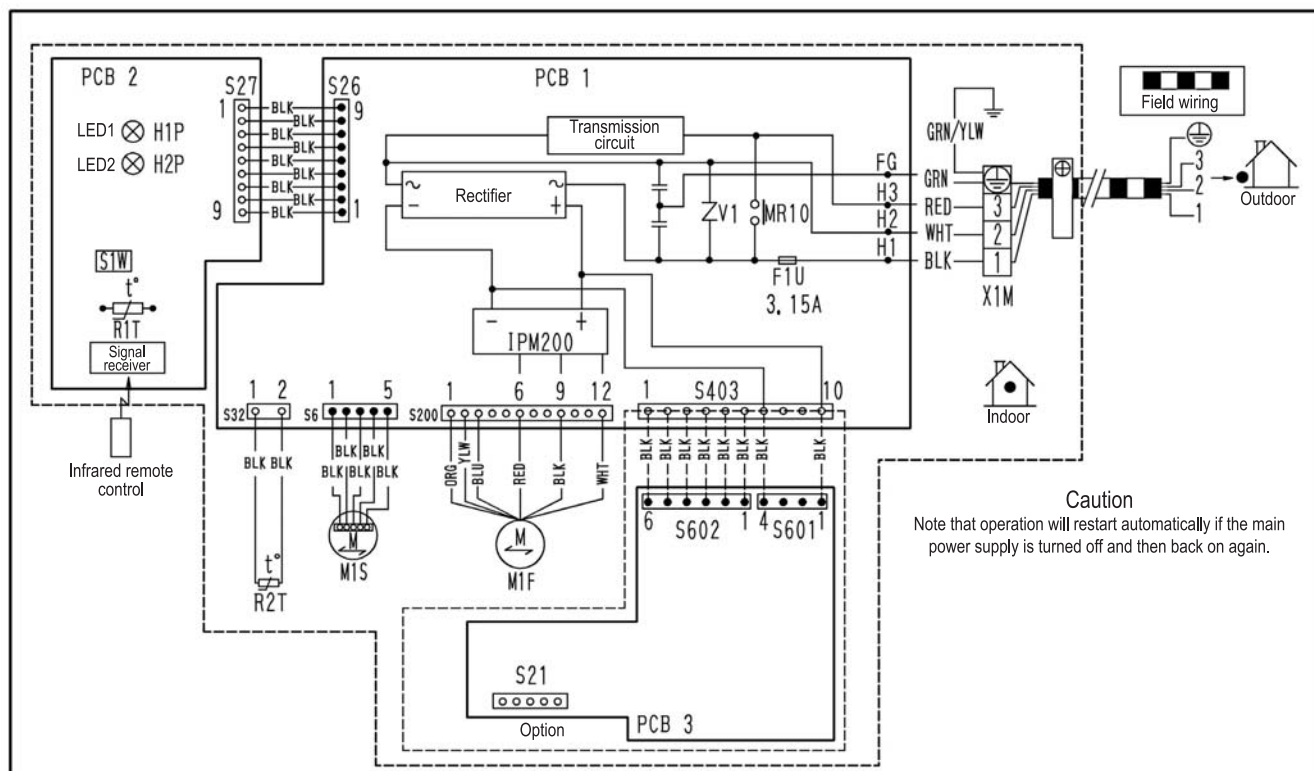
6 - 1 Piping Diagrams



7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTX-JV



FG	Frame ground	R1T, R2T	Thermistor
F1U	Fuse	S6~S602	Connector
H1~H3	Harness	S1W	Operation switch
H1P, H2P	Pilot lamp	X1M	Terminal strip
M1F	Fan motor	⊕	Protective earth
M1S	Swing motor		
PCB1~PCB3	Printed circuit board		

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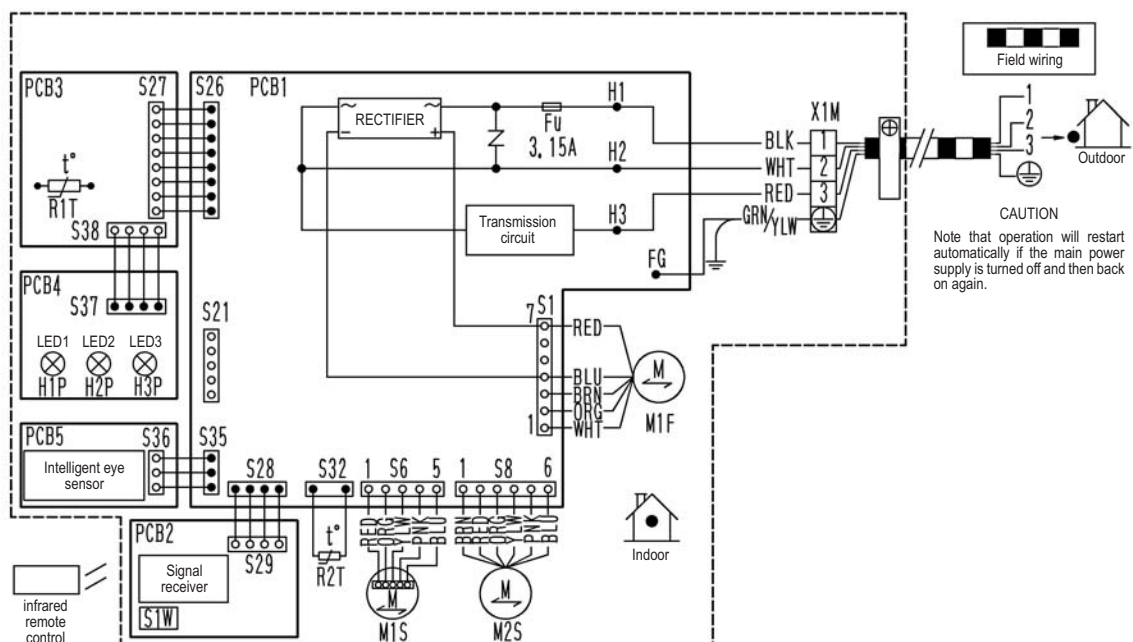
NOTE

- 1 PCB3 is showing the case of option connection.

7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTX50-71GV

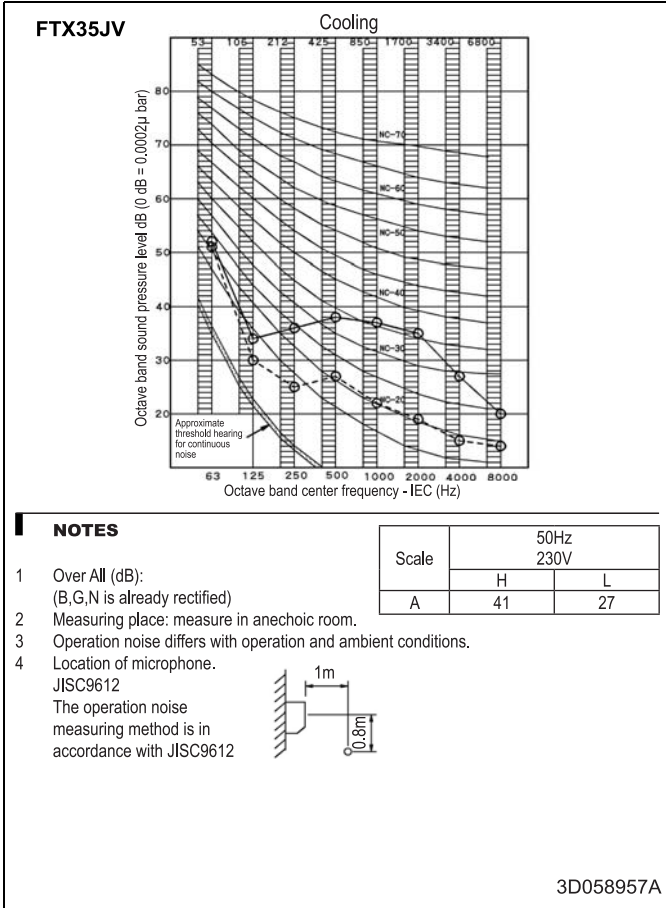
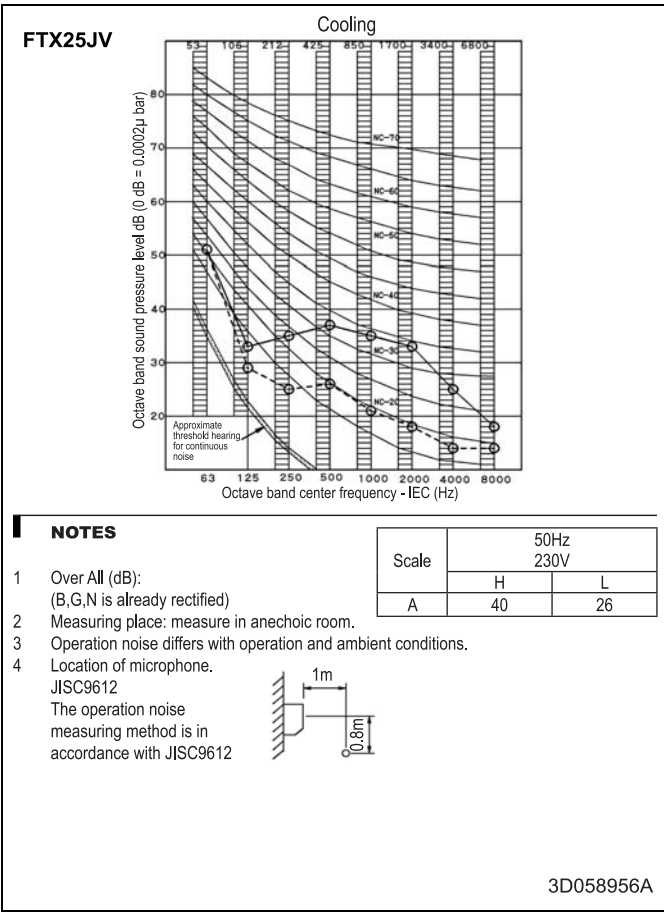
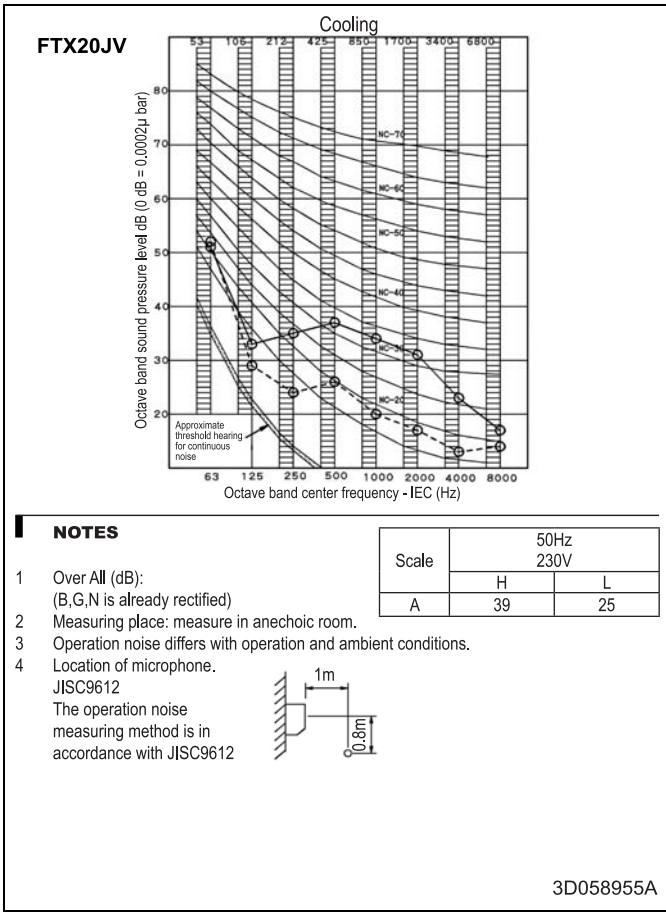


FG	Frame ground	PCB1~PCB5	Printed circuit board
FU	Fuse	R1T,R2T	Thermistor
H1~H3	Harness	S1~S38	Connector
H1P~H3P	Pilot lamp	S1W	Operation switch
M1F	Fan motor	X1M	Terminal strip
M1S, M2S	Swing motor	⊕	Protective earth

3D038530U

8 Sound data

8 - 1 Sound Pressure Spectrum - Cooling

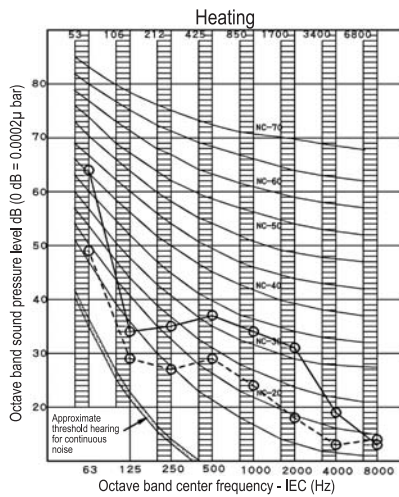


8 Sound data

8 - 2 Sound Pressure Spectrum - Heating

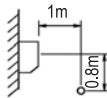
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FTX20JV



NOTES

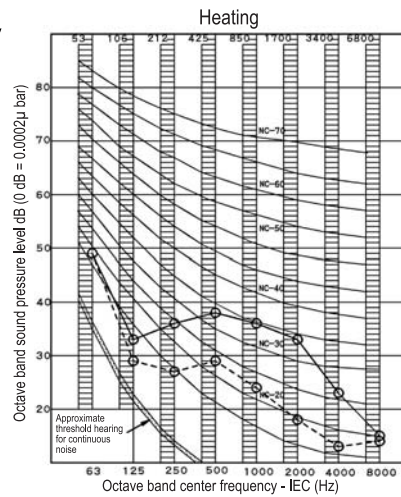
- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



Scale	50Hz 230V	
	H	L
A	39	28

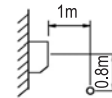
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FTX25JV



NOTES

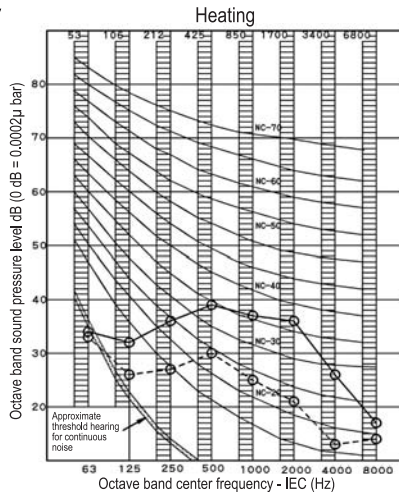
- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



Scale	50Hz 230V	
	H	L
A	40	28

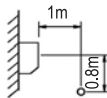
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FTX35JV



NOTES

- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



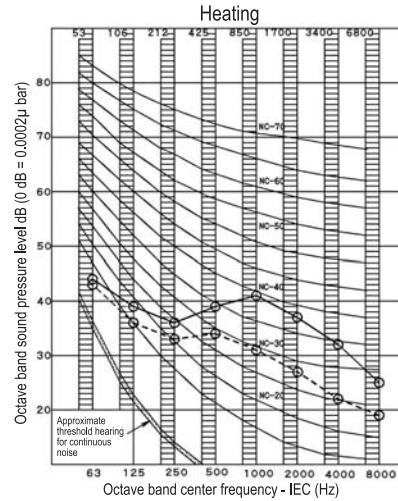
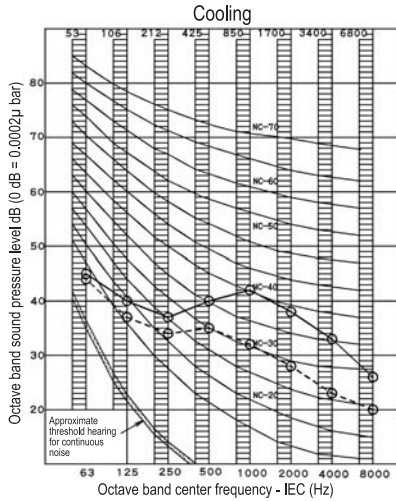
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A	41	29

3D058957A

8 Sound data

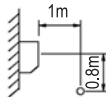
8 - 3 Sound Pressure Spectrum

FTX50GV



NOTES

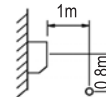
- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



Scale	50Hz 220-240V	
	H	L
A	43	34

NOTES

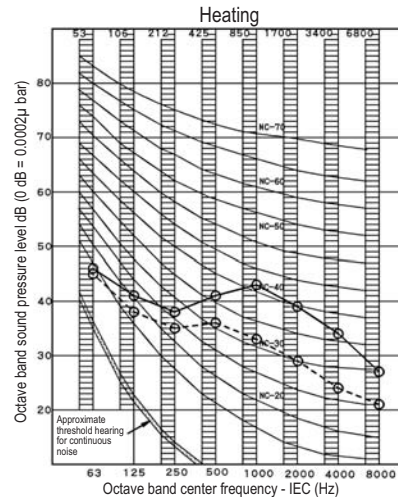
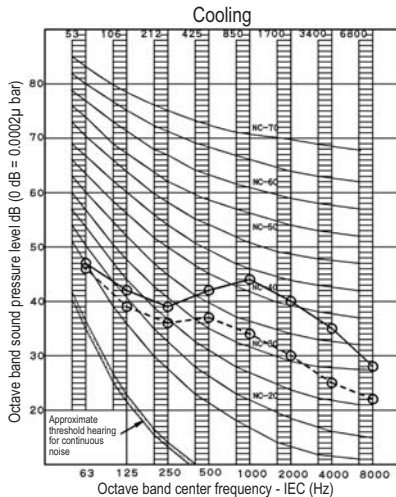
- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



Scale	50Hz 220-240V	
	H	L
A	42	33

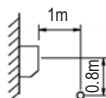
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FTX60GV



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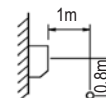
- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



Scale	50Hz 220-240V	
	H	L
A	45	36

NOTES

- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



Scale	50Hz 220-240V	
	H	L
A	44	35

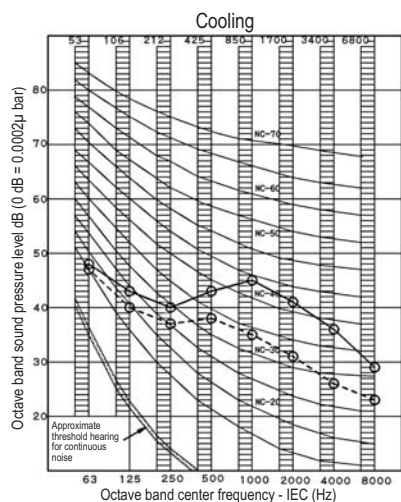
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8 Sound data

8 - 3 Sound Pressure Spectrum

8

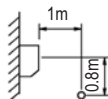
FTX71GV



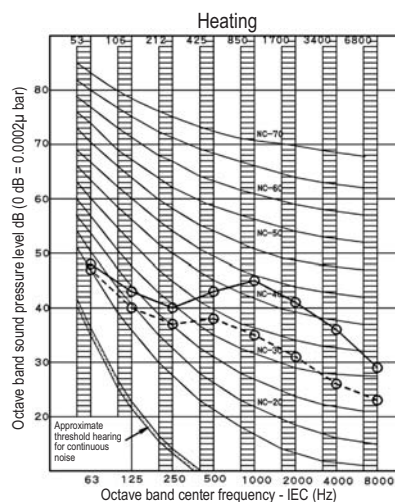
3D051225D

NOTES

- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Location of microphone.
JISC9612
The operation noise
measuring method is in
accordance with JISC9612



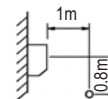
Scale	50Hz 220-240V	
	H	L
A	46	37



3D051225D

NOTES

- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Location of microphone.
JISC9612
The operation noise
measuring method is in
accordance with JISC9612



Scale	50Hz 220-240V	
	H	L
A	46	37

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