

Air Conditioners

Technical Data

Wall mounted unit



EEDEN12-100

FTX-JV

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FTX-JV

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1 Features

- Whisper quiet operation: down to 23dBA sound pressure level
- 24 hour timer can be set to start heating or cooling anytime during a 24 hour period
- ECONO mode decreases power consumption so that other appliances that need large power consumption can be used
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- Comfort function mode activates the programmed temperature levels intended for a home occupied during the day; default setpoints are 21°C in heating mode and 24°C in cooling mode and can be changed by the user
- Night set mode saves energy by preventing overcooling or overheating during night time
- Comfort mode guarantees draught free operation by preventing that warm or cold air is directly blown on to the body
- 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.
- Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- 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	
Power input	Cooling	Nom.		kW	0.040					
	Heating	Nom.		kW	0.040					
Casing	Colour				White					
Dimensions	Unit	Height/Width/Depth		mm	283/770/198					
	Packed unit	Height/Width/Depth		mm	344/840/263					
Weight	Unit			kg	7					
	Packed unit			kg	11					
Heat exchanger	Length			mm	610					
	Rows	Quantity			2					
	Fin pitch			mm	1.4					
	Stages	Quantity			14					
	Tube type			ø7 Hi-XA					Hi-XA	
	Fin	Type			ML fin (Multi louver)					
	Fan	Type				Cross flow fan				
Air flow rate		Cooling	High	m³/min	9.1	9.2		9.3		
				cfm	321	325		328		
			Nom.	m³/min	7.4	7.6		7.7		
				cfm	261	268		272		
			Low	m³/min	5.9	6.0		6.1		
				cfm	208	212		215		
			Silent operation	m³/min	4.7	4.8		4.9		
				cfm	166	169		173		
		Heating	High	m³/min	9.4	9.7		10.1		
				cfm	331	342		356		
			Nom.	m³/min	7.8	8.0		8.4		
				cfm	276	283		295		
			Low	m³/min	6.3		6.7			
				cfm	222		235			
			Silent operation	m³/min	5.5		5.7			
				cfm	194		201			
Fan motor	Model				MM6C02J2V					
	Speed	Steps			5 + silent, + auto					
		Cooling	High/ Medium/ Low/Silent operation	rpm	1,210/990/780/630		1,250/1,030/820/630		1,300/1,070/850/680	
		Heating	High/ Medium/ Low/Silent operation	rpm	1,260/1,090/920/820		1,300/1,110/920/820		1,340/1,150/960/850	
	Output	High		W	16					
Sound power level	Cooling	High		dBA	55	56		57		
	Heating	High		dBA	55	56		57		
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	39/33/25/22		40/33/26/22		41/34/27/23	
	Heating	Super high/High/Nom./ Low/Silent operation		dBA	-/39/34/28/25		-/40/34/28/25		-/41/35/29/26	
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 : Indoor unit fixing screws; Quantity : 2;

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

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Infrared remote control; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Mounting plate; Quantity : 1;

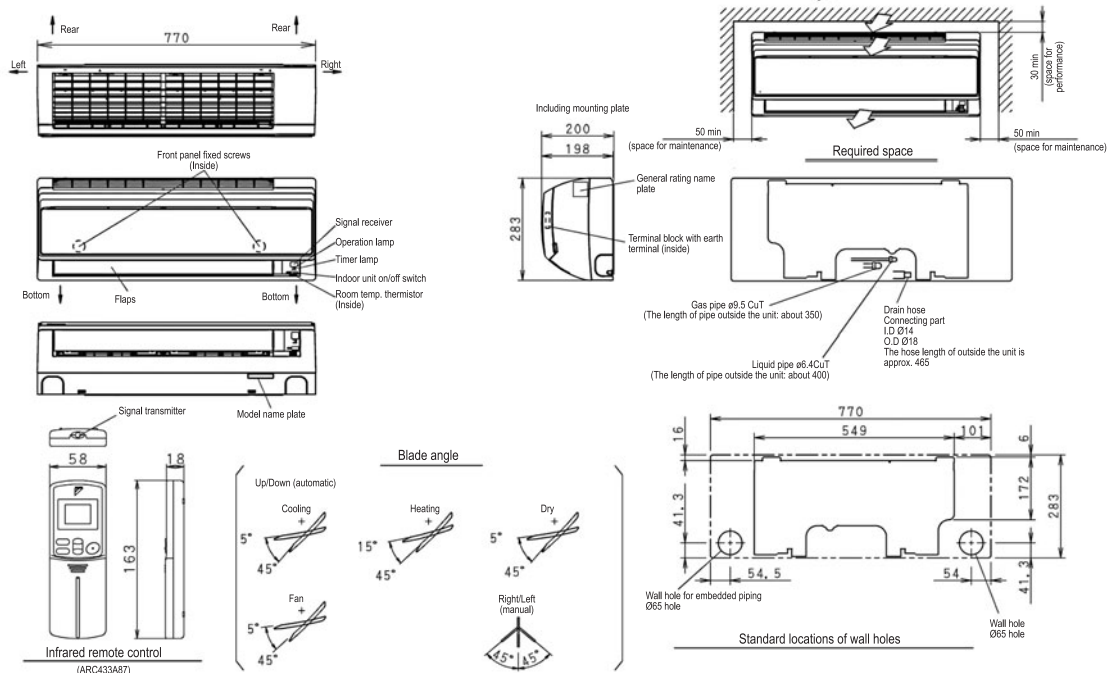
2 Specifications

2-2 Electrical Specifications			FTX20JV	FTX25JV	FTX35JV
Power supply	Name		V1		
	Phase		1~		
	Frequency	Hz	50		
	Voltage	V	220-230-240		
Current - 60Hz	Nominal running current	A	-		
Wiring connections - 50Hz	For power supply	Quantity	3		
		Remark	4 for interunit wiring	4 for interunit wiring (earth wire included)	

3 Dimensional drawings

3 - 1 Dimensional Drawings

FTX20-35J2V1B



NOTES

- The mark (→) shows piping direction.

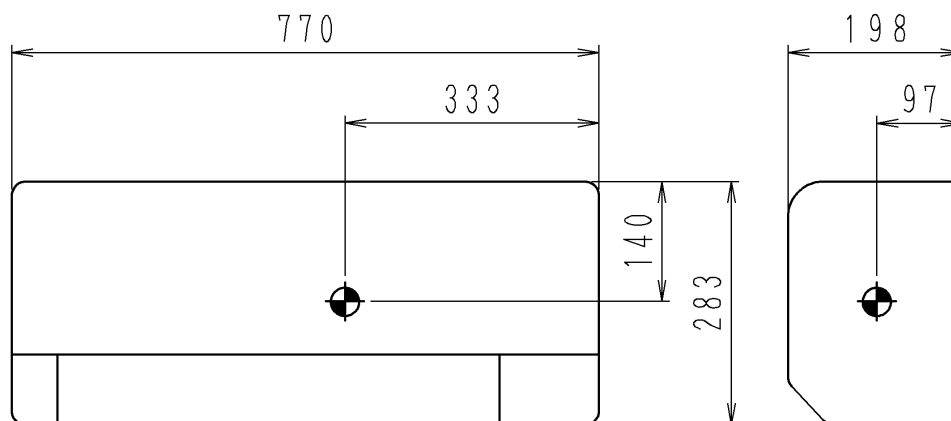
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4 Centre of gravity

4 - 1 Centre of Gravity

4

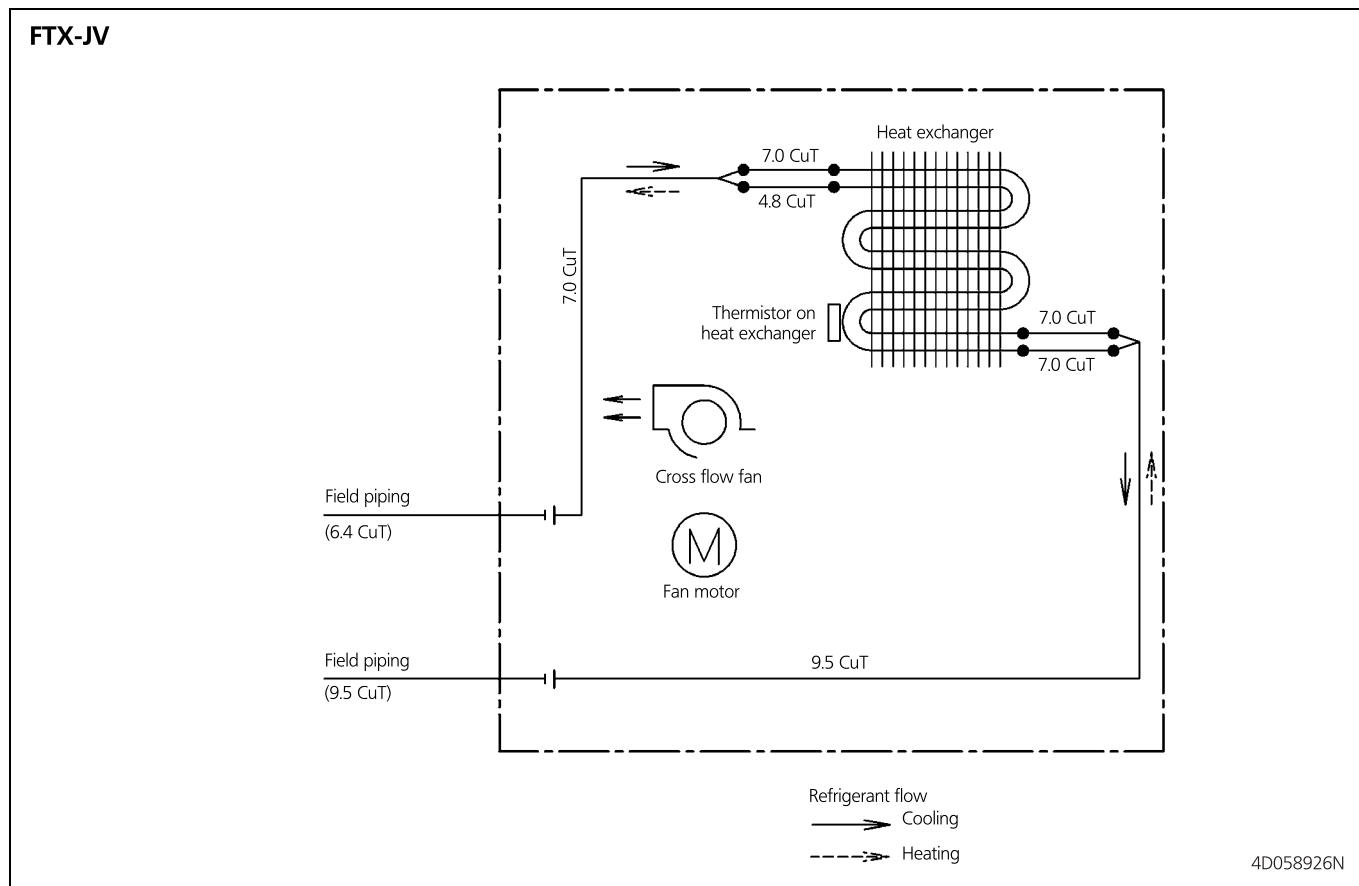
FTX-JV



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5 Piping diagrams

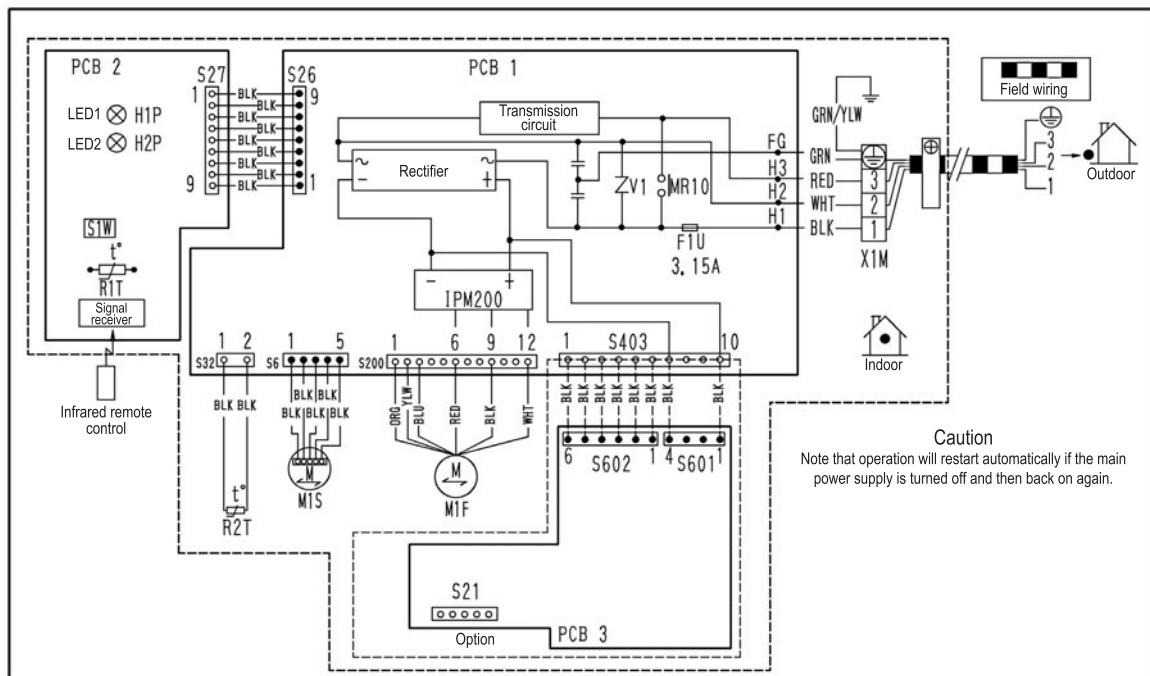
5 - 1 Piping Diagrams



6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

FTX20-35J2V1B



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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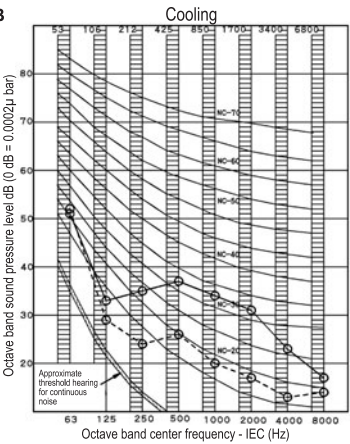
NOTE

- PCB3 is showing the case of option connection.

7 Sound data

7 - 1 Sound Pressure Spectrum

FTX20J2V1B

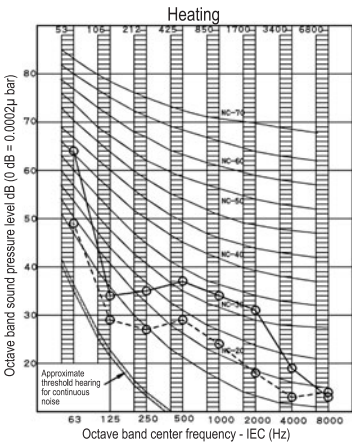


NOTES

- 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	25



NOTES

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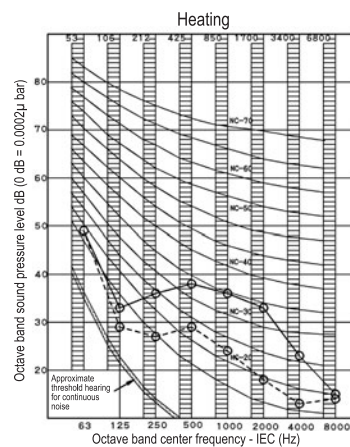
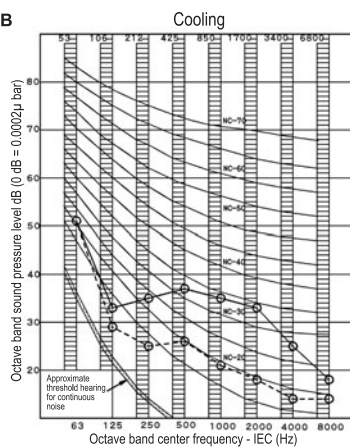
Scale	50Hz 230V	
	H	L
A	39	28

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7 Sound data

7 - 1 Sound Pressure Spectrum

FTX25J2V1B



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	26

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



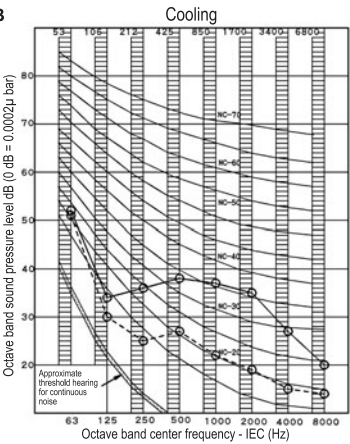
Scale	50Hz 230V	
	H	L
A	40	28

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7 Sound data

7 - 1 Sound Pressure Spectrum

FTX35J2V1B

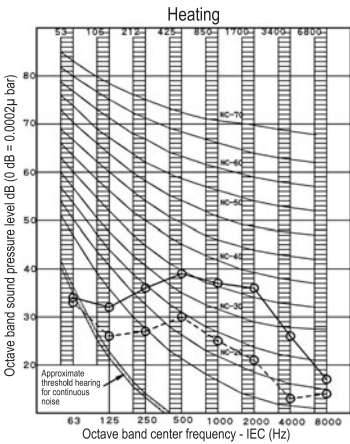


NOTES

- 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	41	27



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	41	29

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