



Air Conditioning Technical Data

Wall mounted unit



EEDEN13-030

ATX-JV

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ATX-JV

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1 Features

- Whisper quiet operation: down to 22dBA sound pressure level
- ECONO mode decreases power consumption so that other appliances that need large power consumption can be used
- 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
- 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



Econo mode



Night set mode



Fan only



Comfort mode



Powerful mode



Auto cooling-
heating
changeover



Whisper quiet



Indoor unit
silent operation



Vertical auto
swing



Auto fan speed



Fan speed
steps



Dry programme



Titanium apatite
photocatalytic
air purification
filter



24 hour timer



Infrared remote
control



Auto-restart



Self diagnosis

2 Specifications

2-1 Technical Specifications					ATX20JV		ATX25JV		ATX35JV			
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		345/846/266					
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							
	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					MM6C02J2VA						
	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	Nom.			dBA		55		58			
	Heating	Nom.			dBA		55		58			
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	
Refrigerant	Type					R-410A						
Piping connections	Liquid	OD				6.35						
	Gas	OD				9.5						
	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 : Indoor unit fixing screws; Quantity : 2;

Standard Accessories : Mounting plate; Quantity : 1;

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

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Wireless remote control; Quantity : 1;

2 Specifications

Standard Accessories : Installation manual; Quantity : 1;

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

Standard Accessories : Infrared remote control;

2

2-2 Electrical Specifications				ATX20JV	ATX25JV	ATX35JV
Power supply	Name			V1		
	Phase			1~		
	Frequency	Hz		50		
	Voltage	V		220-230-240		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.18		
		Heating	A	0.18		
Wiring connections - 50Hz	For power supply	Remark		3 for power supply, 4 for interunit wiring (Earth wire included)		

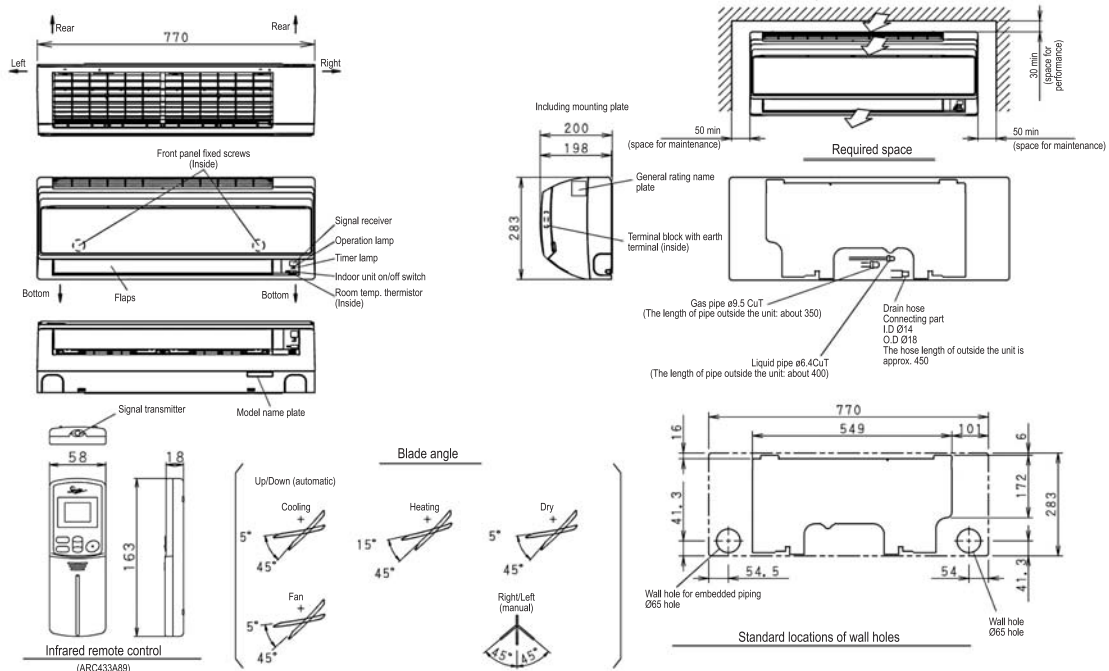
Notes

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

3 Dimensional drawings

3 - 1 Dimensional Drawings

ATX20-35J2V1B



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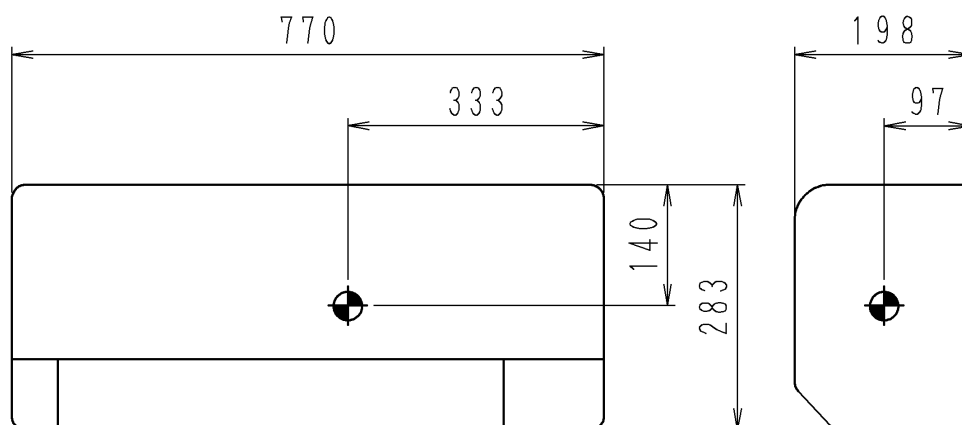
NOTES

1. The mark (→) shows piping direction.

4 Centre of gravity

4 - 1 Centre of Gravity

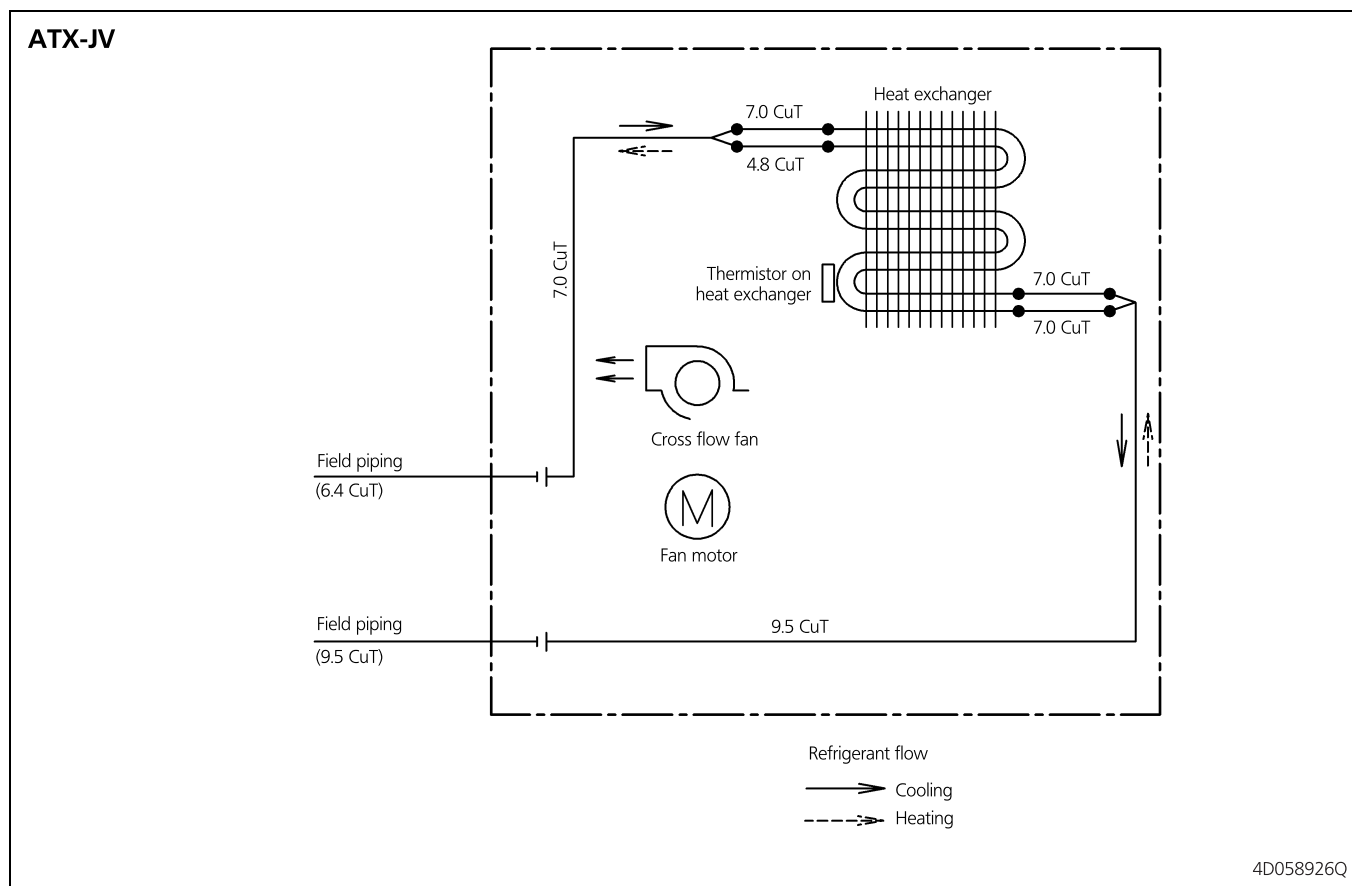
ATX-JV



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5 Piping diagrams

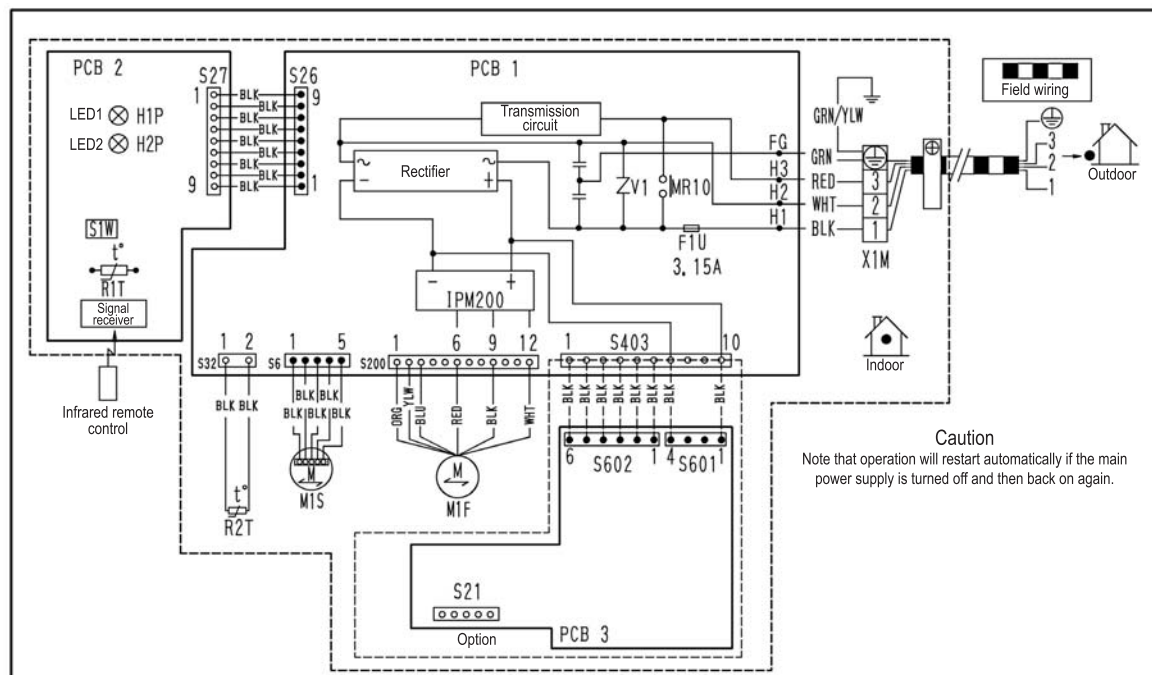
5 - 1 Piping Diagrams



6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

ATX20-35J2V1B



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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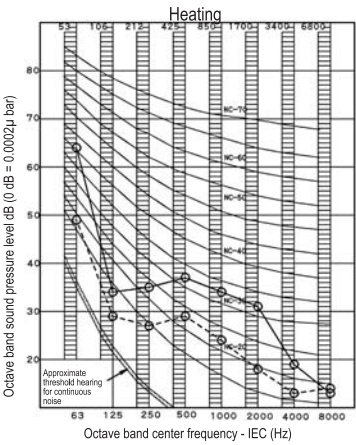
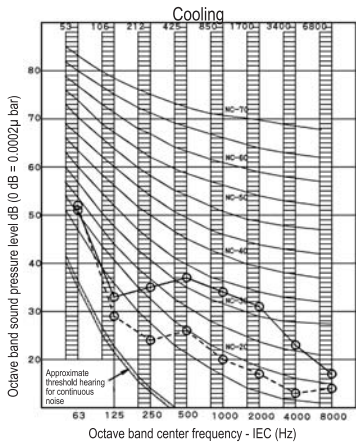
NOTE

- 1 PCB3 is showing the case of option connection.

7 Sound data

7 - 1 Sound Pressure Spectrum

ATX20J2V1B



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 230V	
	H	L
A	39	25

NOTES

- Over All (dB): (B,G,N is already rectified)
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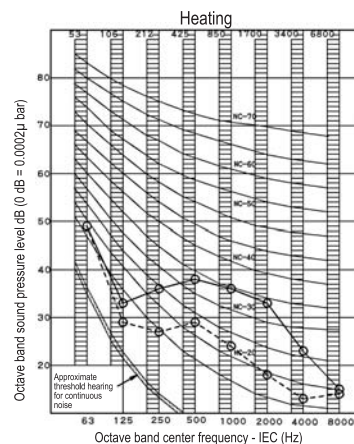
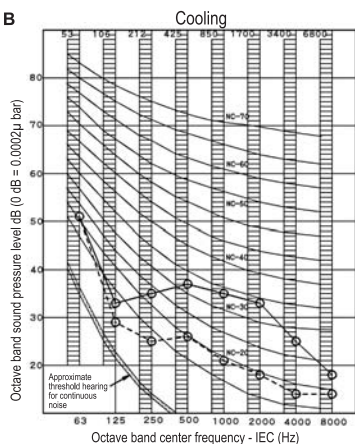
Scale	50Hz 230V	
	H	L
A	39	28

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7 Sound data

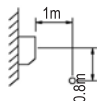
7 - 1 Sound Pressure Spectrum

ATX25J2V1B



NOTES

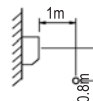
- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



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



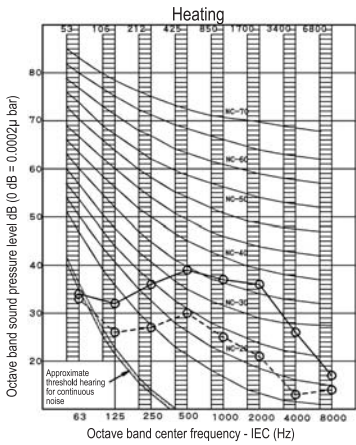
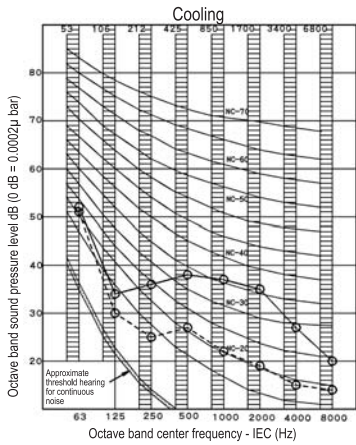
Scale	50Hz 230V	
	H	L
A	40	28

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7 Sound data

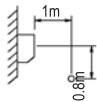
7 - 1 Sound Pressure Spectrum

ATX35J2V1B



NOTES

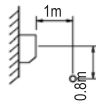
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- 2 Measuring place: measure in anechoic room.
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- 4 Location of microphone.
JISC9612
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Scale	50Hz 230V	
	H	L
A	41	27

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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