



Air Conditioning

Technical Data

Wall mounted unit



EEEDEN12-100

FTXS-J

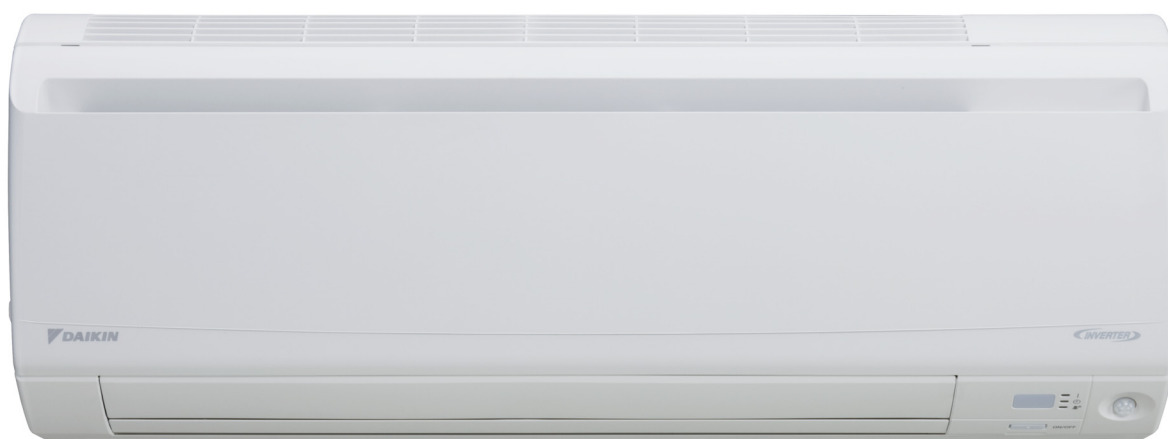
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FTXS-J

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1 Features

- 24 hour timer can be set to start heating or cooling anytime during a 24 hour period
- 2 area intelligent eye: air flow is sent to a zone other than where the person is located at that moment; if two people are detected in the room, the air flow is projected away from the occupants; if no people are detected, the unit will automatically switch over to the energy-efficient setting.
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- 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
- 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
- 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



5 steps

optional



2 Specifications

2-1 Technical Specifications					FTXS25J		FTXS35J		FTXS42J		FTXS50J			
Power input	Cooling		Nom.		kW		0.018		0.026		0.024		0.026	
	Heating		Nom.		kW		0.021		0.028		0.030		0.032	
Casing	Colour					White								
Dimensions	Unit		Height/Width/Depth		mm		295/800/215							
	Packed unit		Height/Width/Depth		mm		366/870/289							
Weight	Unit				kg		9		10					
	Packed unit				kg		13		14					
Heat exchanger	Length				mm		605		605 / 602.7		605 / 602.7		605 / 602.7	
	Rows		Quantity			2								
	Fin pitch				mm		1.2							
	Stages		Quantity			18								
	Tube type					ø6.35 Hi-XU tube								
	Fin		Type			ML fin (Multi louver)								
Heat exchanger 2	Rows		Quantity			-		1						
	Fin pitch				mm		-		1.6					
	Stages		Quantity			-		12						
Fan	Type					Cross flow fan								
	Air flow rate	Cooling	High	m³/min		10.8		11.4		11.3		11.6		
				cfm		381		403		399		410		
			Nom.	m³/min		7.9		8.7		9.0		9.2		
				cfm		279		307		318		325		
			Low	m³/min		5.2		5.8		6.8		7.0		
				cfm		184		205		240		247		
		Silent operation	m³/min		3.7		4.4		5.9		6.0			
			cfm		131		155		208		212			
		Heating	High	m³/min		11.9		12.4		12.2		12.1		
				cfm		420		438		431		427		
			Nom.	m³/min		9.1		9.5		9.7		9.8		
				cfm		321		335		343		346		
			Low	m³/min		6.4		6.8		7.3		7.6		
				cfm		226		240		258		268		
		Silent operation	m³/min		5.9		6.0		6.4		6.7			
			cfm		208		212		226		237			
Fan motor	Model					KFD-280-23-8A								
	Speed	Steps				5 + silent, + auto								
		Cooling	High/Medium/Low/Silent operation	rpm	1,320/1,030/750/600		1,480/1,190/900/760		1,480/1,250/1,020/930		1,530/1,290/1,060/960			
		Heating	High/Medium/Low/Silent operation	rpm	1,430/1,150/870/820		1,550/1,260/980/900		1,550/1,300/1,050/960		1,550/1,320/1,090/1,000			
Output		High		W		23								
Sound power level	Cooling		Nom.		dBA		57		61		62			
	Heating		Nom.		dBA		58		61		63			
Sound pressure level	Cooling		High/Nom./Low/Silent operation		dBA		41/33/25/22		45/37/29/23		45/39/33/30		46/40/34/31	
	Heating		Super high/High/Nom./Low/Silent operation		dBA		-42/35/28/25		-45/39/29/26		-45/39/33/30		-47/41/34/31	

2 Specifications

2-1 Technical Specifications			FTXS25J	FTXS35J	FTXS42J	FTXS50J
Piping connections	Liquid	OD	6.35			
	Gas	OD	9.52			12.7
	Drain		I.D. 14.0/O.D. 18.0			
Temperature control			Microcomputer control			
Air direction control			Right, Left, Horizontal, Downward			
Air filter	Type		Removable / washable / mildew proof			

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Mounting plate; Quantity : 1;

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

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Operation manual; Quantity : 2;

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

2-2 Electrical Specifications				FTXS25J	FTXS35J	FTXS42J	FTXS50J
Power supply	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.09 (1) / 0.08 (2) / 0.08 (3)	0.12 (1) / 0.12 (2) / 0.11 (3)	0.11 (1) / 0.11 (2) / 0.11 (3)	0.12 (1) / 0.12 (2) / 0.11 (3)
		Heating	A	0.10 (1) / 0.10 (2) / 0.09 (3)	0.13 (1) / 0.13 (2) / 0.12 (3)	0.14 (1) / 0.14 (2) / 0.13 (3)	0.15 (1) / 0.14 (2) / 0.14 (3)
Current - 60Hz	Nominal running current		A	-			

Notes

(1) 220V

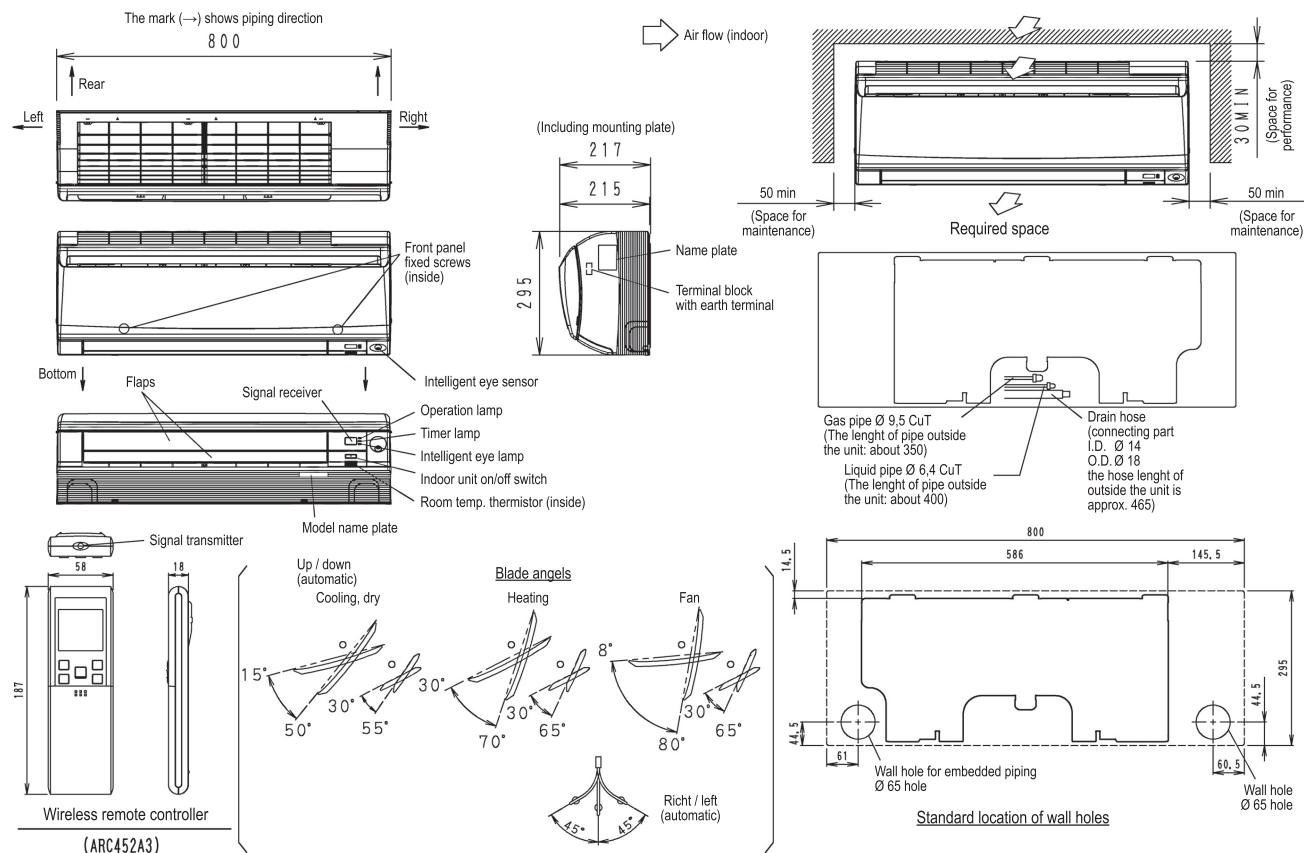
(2) 230V

(3) 240V

3 Dimensional drawings

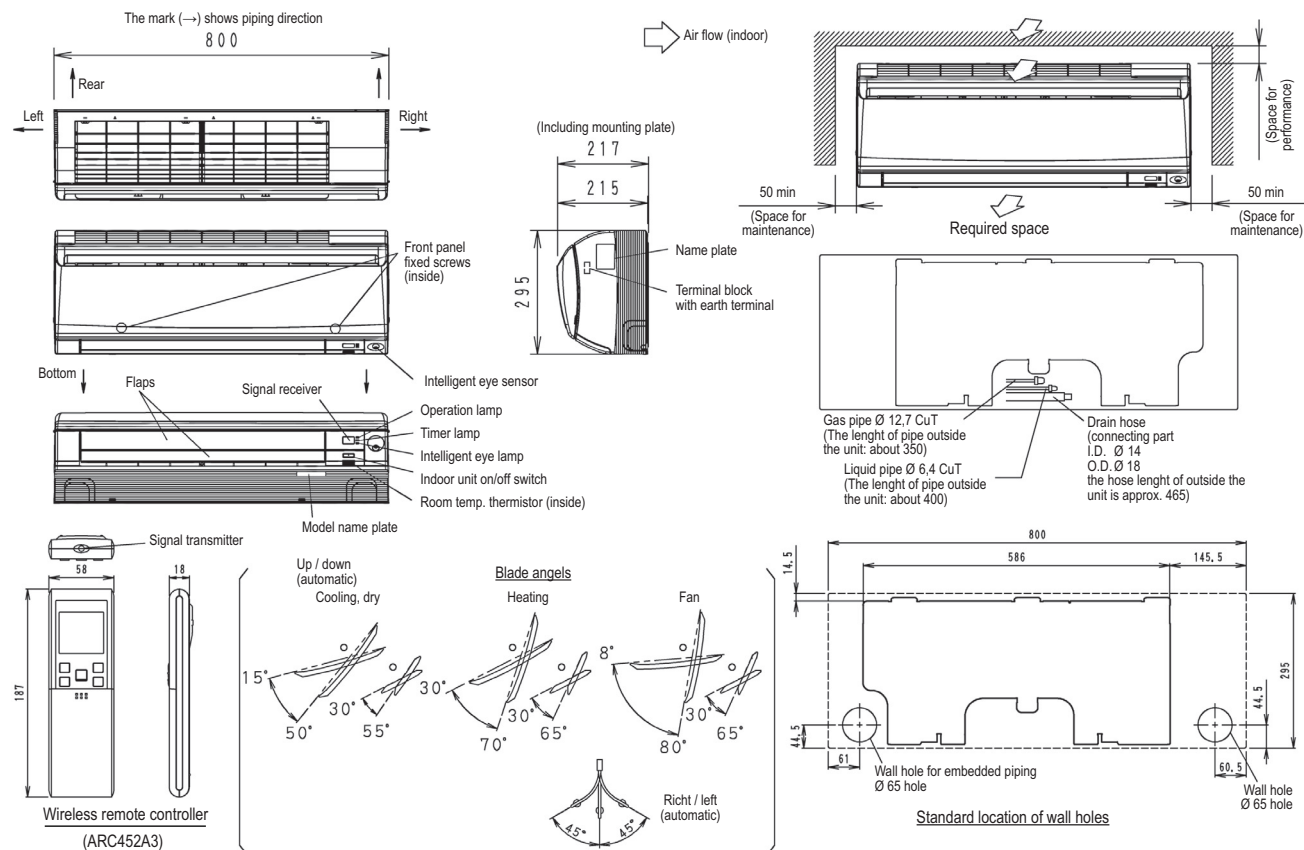
3 - 1 Dimensional Drawings

FTXS25-42J2V1B



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FTXS50J2V1B

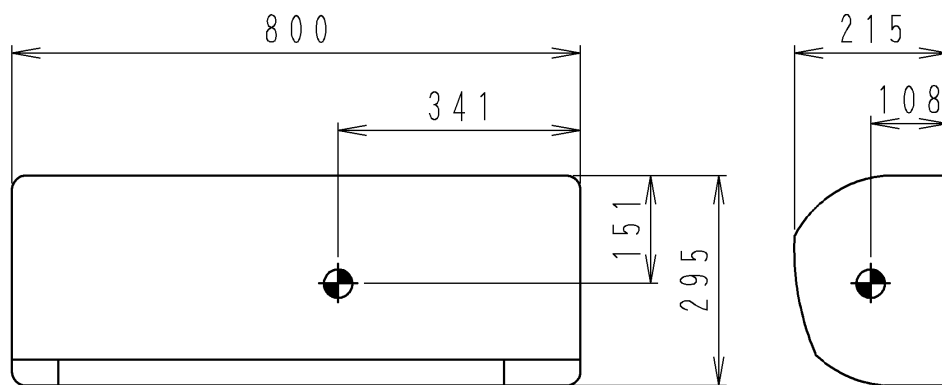


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4 Centre of gravity

4 - 1 Centre of Gravity

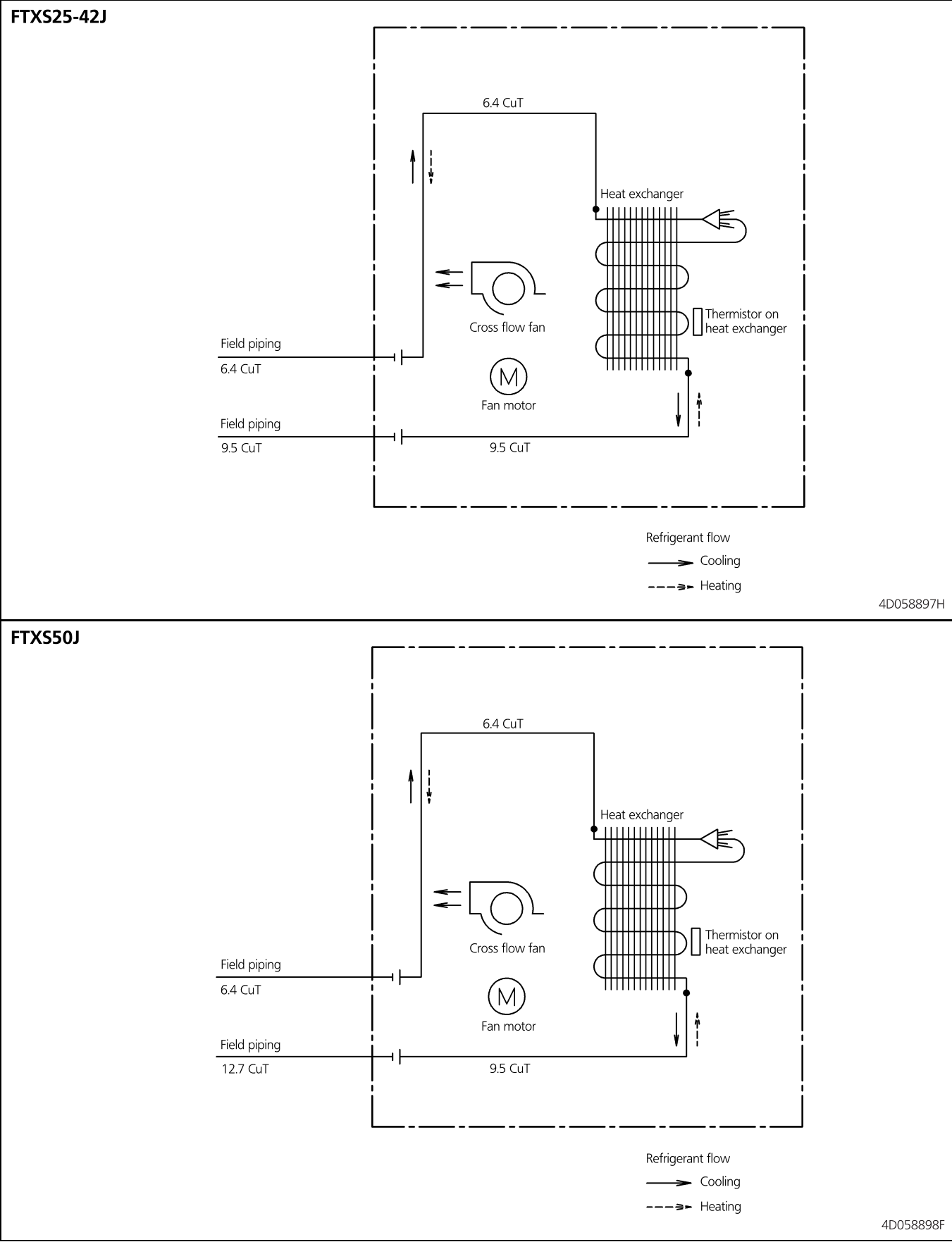
FTXS-J



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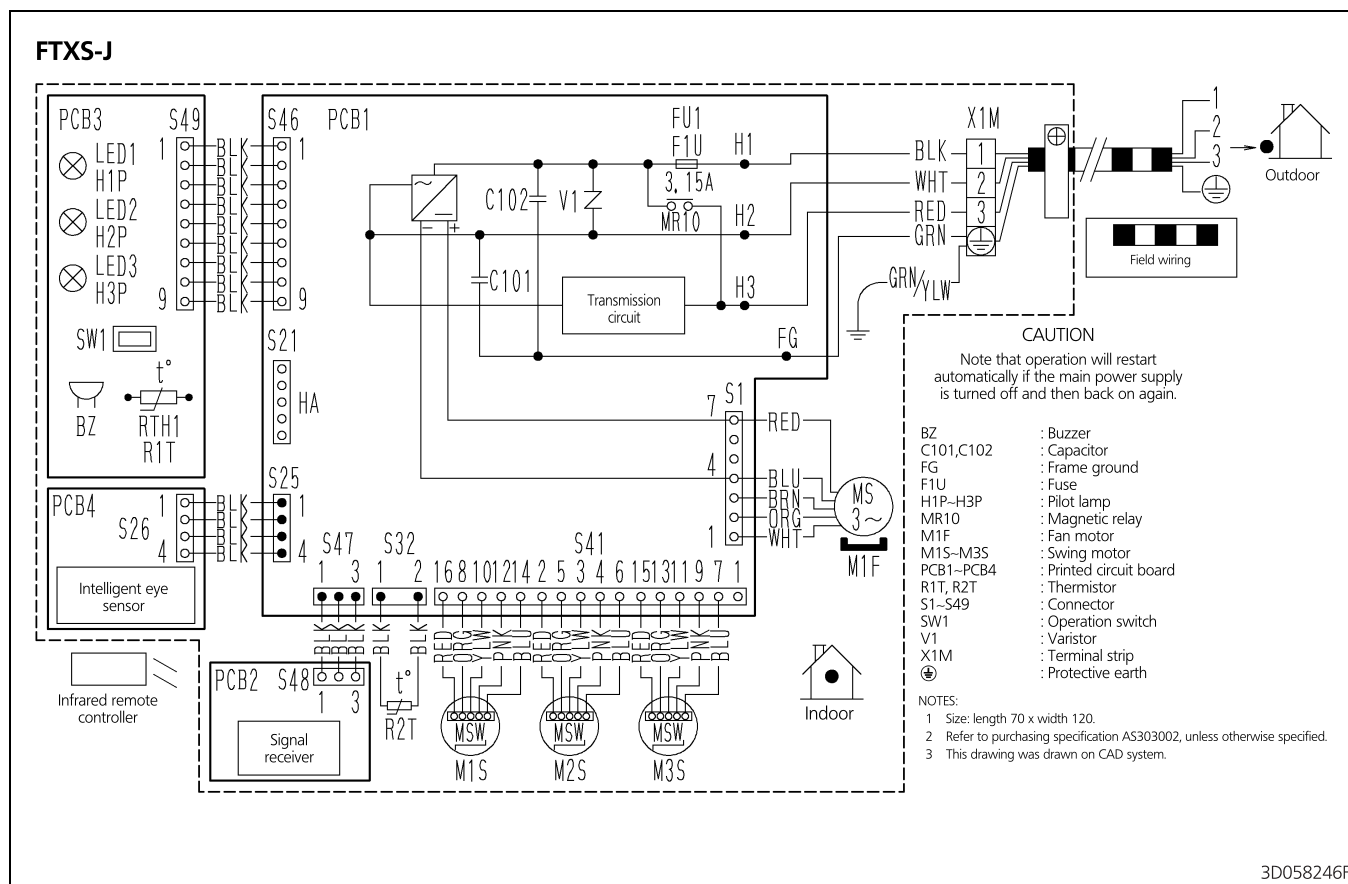
5 Piping diagrams

5 - 1 Piping Diagrams



6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

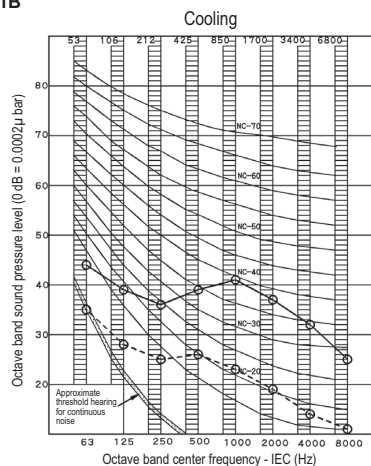


7 Sound data

7 - 1 Sound Pressure Spectrum

7

FTXS25J2V1B

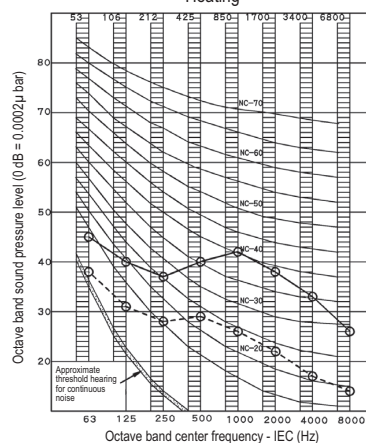


NOTES

- Over All (dB):
(B, G, N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○- -○ 50 Hz 220-240V (L)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	41	25

Heating



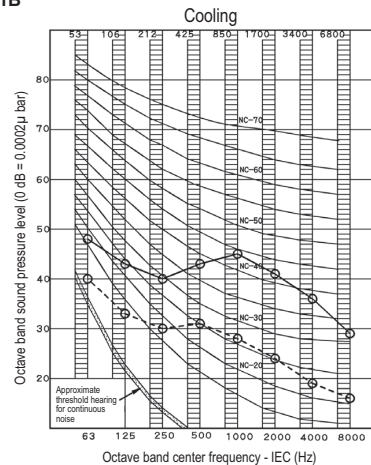
NOTES

- Over All (dB):
(B, G, N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○- -○ 50 Hz 220-240V (L)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	42	28

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FTXS35J2V1B

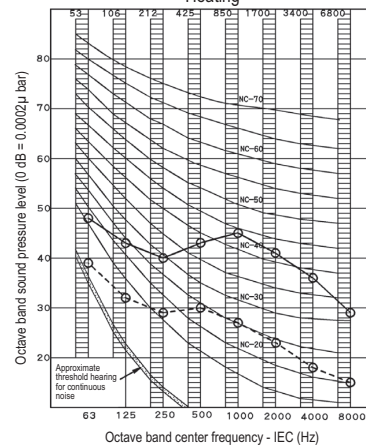


NOTES

- Over All (dB):
(B, G, N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○- -○ 50 Hz 220-240V (L)

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	45	29

Heating



NOTES

- Over All (dB):
(B, G, N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○- -○ 50 Hz 220-240V (L)

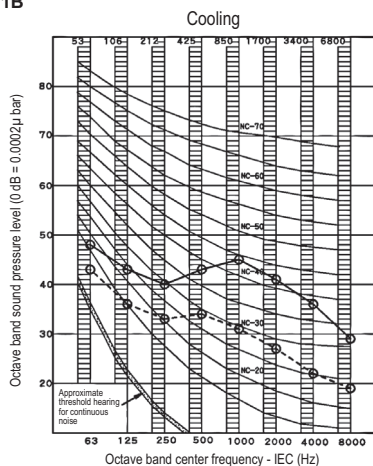
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	45	29

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7 Sound data

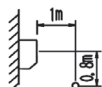
7 - 1 Sound Pressure Spectrum

FTXS42J2V1B



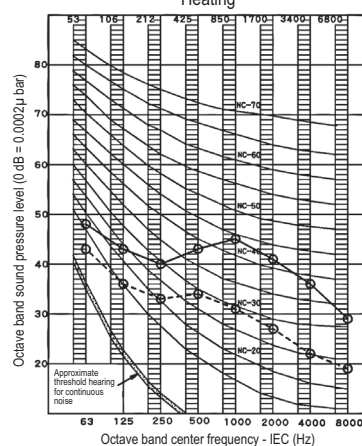
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○--○ 50 Hz 220-240V (L)



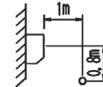
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	45	33

Heating



NOTES

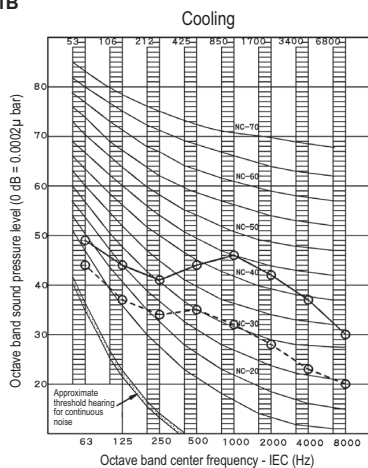
- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○--○ 50 Hz 220-240V (L)



Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	45	33

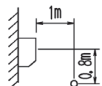
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FTXS50J2V1B



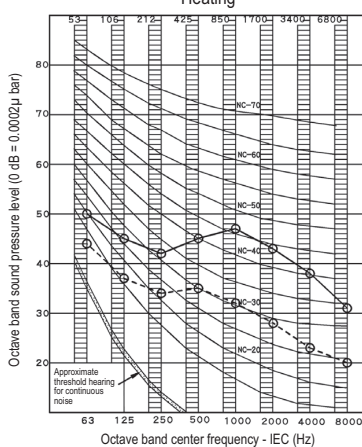
NOTES

- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○--○ 50 Hz 220-240V (L)



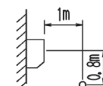
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	46	34

Heating



NOTES

- Over All (dB):
(B,G,N is already rectified)
- Measuring place: measure in anechoic room.
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 220~240V, 50Hz
- Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure
○—○ 50 Hz 220-240V (H)
○--○ 50 Hz 220-240V (L)



Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	47	34

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Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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