Air Conditioners

Technical Data

Wall Mounted Unit

EEDEN11-100

FTXS-J

DAIKIN

Air Conditioners

Technical Data

Wall Mounted Unit

EEDEN11-100

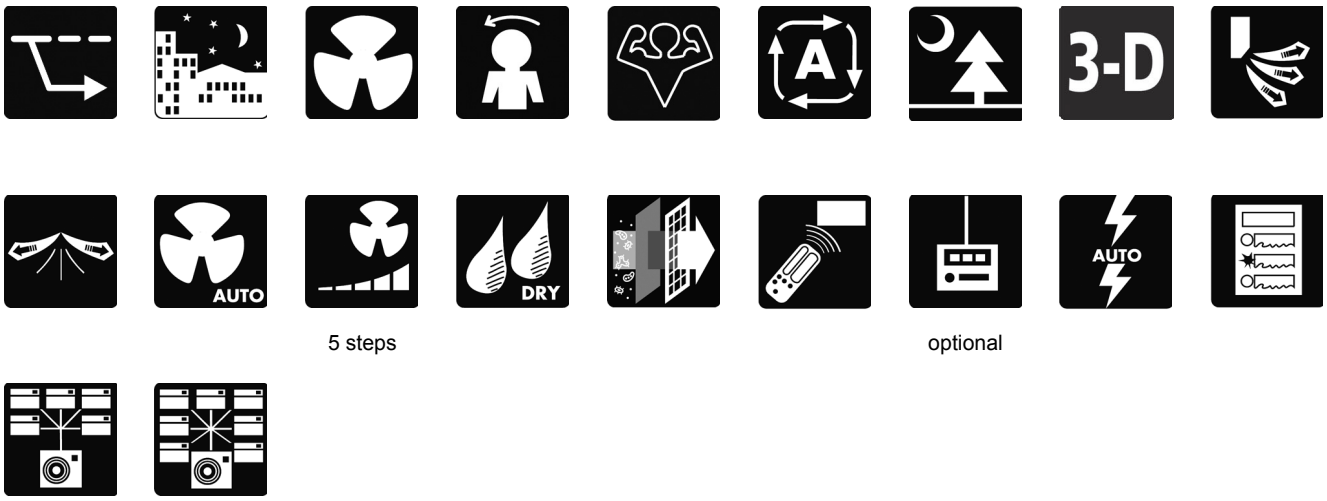
FTXS-J

TABLE OF CONTENTS

FTXS-J

1 Features

- 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.
- 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					FTXS20J2V1B	FTXS35J2V1B	FTXS25J2V1B	FTXS42J2V1B	FTXS50J2V1B
Power input	Cooling	Nom.		kW	0.018	0.026	0.018	0.024	0.026
	Heating	Nom.		kW	0.021	0.028	0.021	0.030	0.032
Casing	Colour				White				
Dimensions	Unit	Height		mm	295				
		Width		mm	800				
		Depth		mm	215				
	Packed unit	Height		mm	366				
		Width		mm	870				
		Depth		mm	289				
Weight	Unit			kg	9	10	9	10	
	Packed unit			kg	13	14	13	14	
Heat exchanger	Length			mm	605	605 602.7	605	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	-	1	
	Fin pitch			mm	-	1.6	-	1.6	
	Stages	Quantity			-	12	-	12	
Fan	Type				Cross flow fan				
	Air flow rate	Cooling	High	m³/min	9.4	11.4	10.8	11.3	11.6
				cfm	332	403	381	399	410
			Nom.	m³/min	7.4	8.7	7.9	9.0	9.2
				cfm	261	307	279	318	325
			Low	m³/min	5.5	5.8	5.2	6.8	7.0
				cfm	194	205	184	240	247
			Silent operation	m³/min	4.1	4.4	3.7	5.9	6.0
				cfm	145	155	131	208	212
		Heating	High	m³/min	9.9	12.4	11.9	12.2	12.1
				cfm	350	438	420	431	427
			Nom.	m³/min	8.2	9.5	9.1	9.7	9.8
				cfm	290	335	321	343	346
			Low	m³/min	6.6	6.8	6.4	7.3	7.6
				cfm	233	240	226	258	268
			Silent operation	m³/min	6.2	6.0	5.9	6.4	6.7
				cfm	219	212	208	226	237
Fan motor	Model				KFD-280-23-8A				
	Speed	Steps			5 + silent, + auto				
		Cooling	High	rpm	1,150	1,480	1,320	1,480	1,530
			Medium	rpm	950	1,190	1,030	1,250	1,290
			Low	rpm	750	900	750	1,020	1,060
			Silent operation	rpm	600	760	600	930	960
		Heating	High	rpm	1,200	1,550	1,430	1,550	
			Medium	rpm	1,030	1,260	1,150	1,300	1,320
			Low	rpm	870	980	870	1,050	1,090
			Silent operation	rpm	820	900	820	960	1,000
	Output	High		W	23				
Sound power level	Cooling	Nom.		dBA	54	61	57	61	62
	Heating	Nom.		dBA	54	61	58	61	63

2 Specifications

2-1 Technical Specifications				FTXS20J2V1B	FTXS35J2V1B	FTXS25J2V1B	FTXS42J2V1B	FTXS50J2V1B
Sound pressure level	Cooling	High	dBA	38	45	41	45	46
		Nom.	dBA	32	37	33	39	40
		Low	dBA	25	29	25	33	34
		Silent operation	dBA	22	23	22	30	31
	Heating	High	dBA	38	45	42	45	47
		Nom.	dBA	33	39	35	39	41
		Low	dBA	28	29	28	33	34
		Silent operation	dBA	25	26	25	30	31
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	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				Removable / washable / mildew proof				

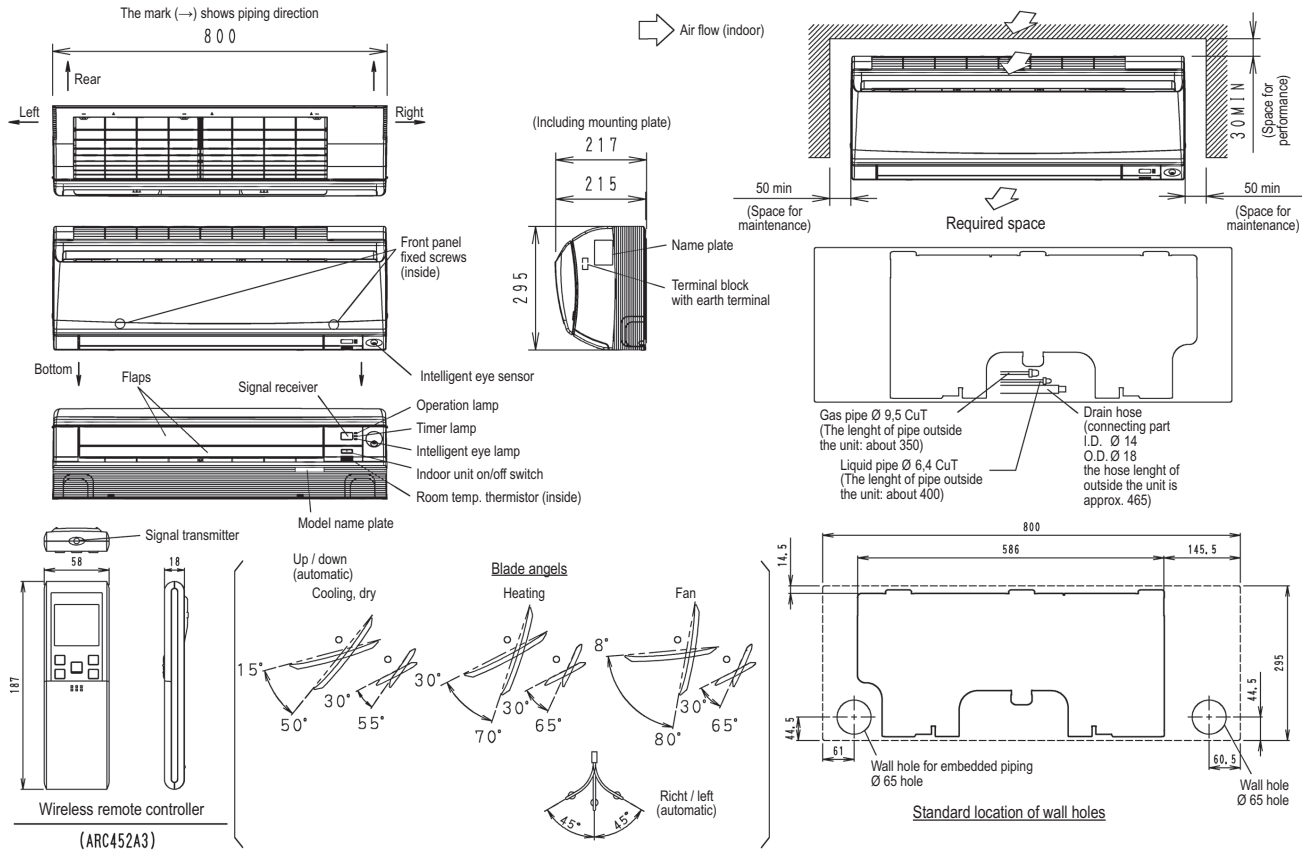
2-2 Electrical Specifications				FTXS20J2V1B	FTXS35J2V1B	FTXS25J2V1B	FTXS42J2V1B	FTXS50J2V1B
Power supply	Phase			1~				
	Frequency		Hz	50				
	Voltage		V	220-240				
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.09 (1) 0.08 (2) 0.08 (3)	0.12 (1) 0.12 (2) 0.11 (3)	0.09 (1) 0.08 (2) 0.08 (3)	0.11 (1) 0.11 (2) 0.11 (3)	0.12 (1) 0.12 (2) 0.11 (3)
		Heating	A	0.10 (1) 0.09 (2) 0.09 (3)	0.13 (1) 0.13 (2) 0.12 (3)	0.10 (1) 0.10 (2) 0.09 (3)	0.14 (1) 0.14 (2) 0.13 (3)	0.15 (1) 0.14 (2) 0.14 (3)
Current - 50Hz	Nominal running current		A	-				
Current - 60Hz	Nominal running current		A	-				

(1) 220V
(2) 230V
(3) 240V

3 Dimensional drawings

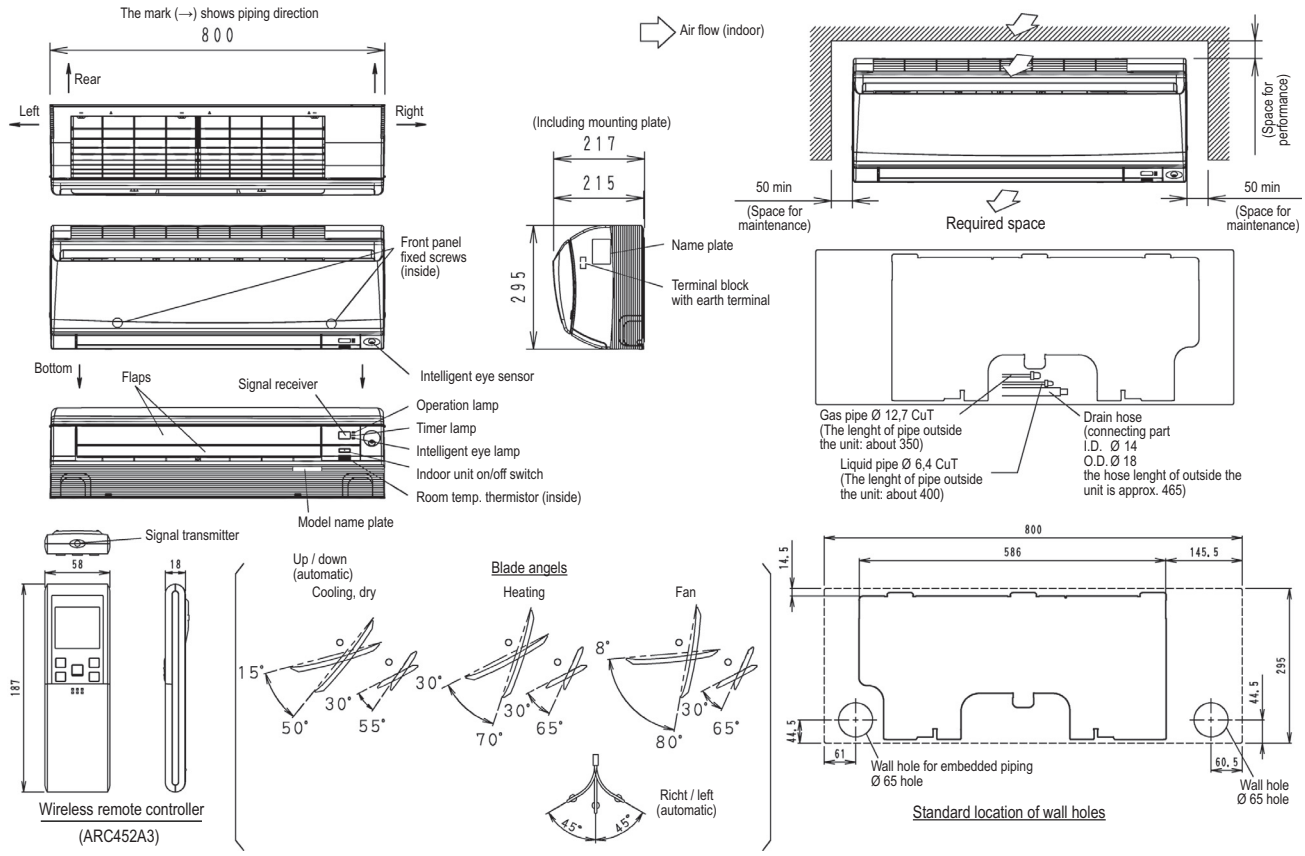
3 - 1 Dimensional Drawings

FTXS20-42J2V1B



3D070574

FTXS50J2V1B

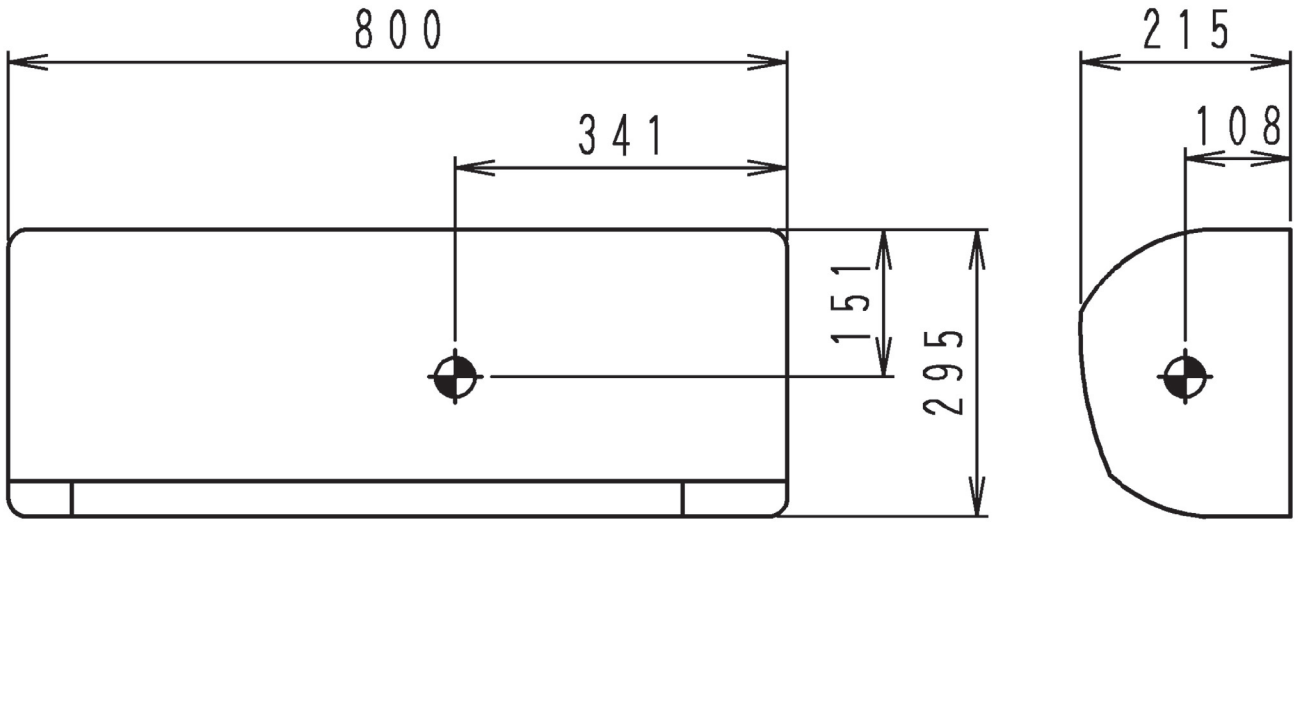


3D070575

4 Centre of gravity

4 - 1 Centre of Gravity

FTXS20-50J2V1B

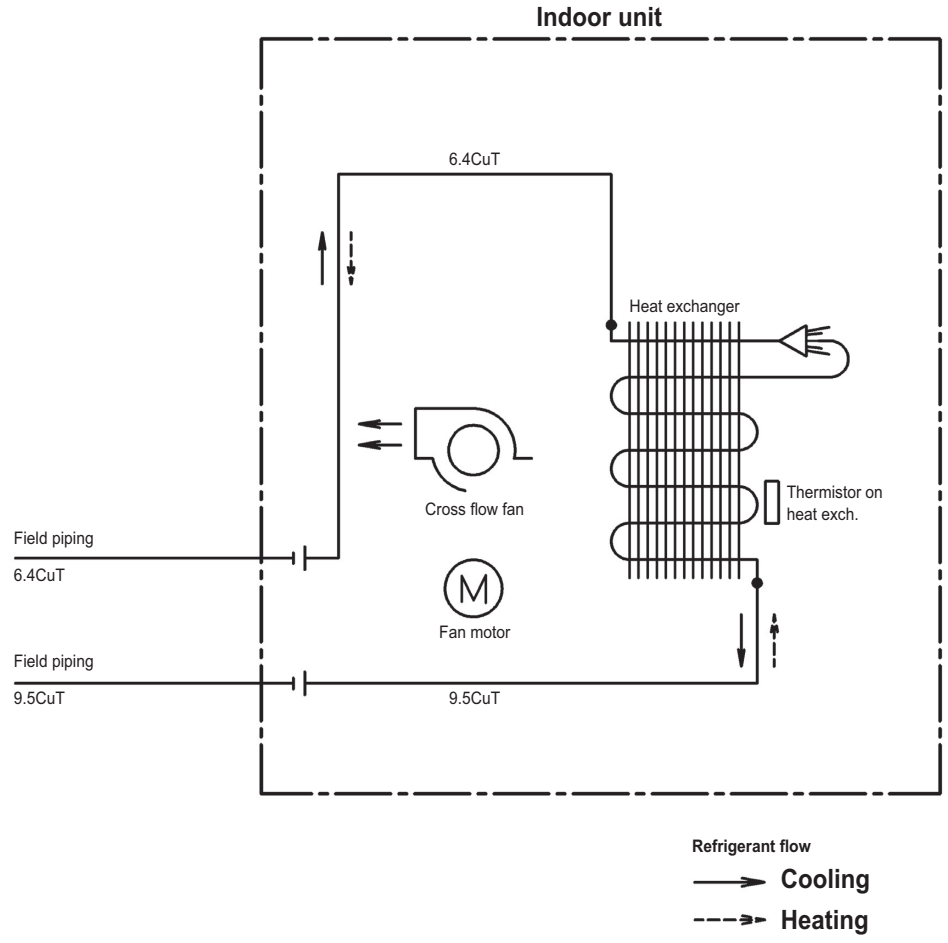


4D059112D

5 Piping diagrams

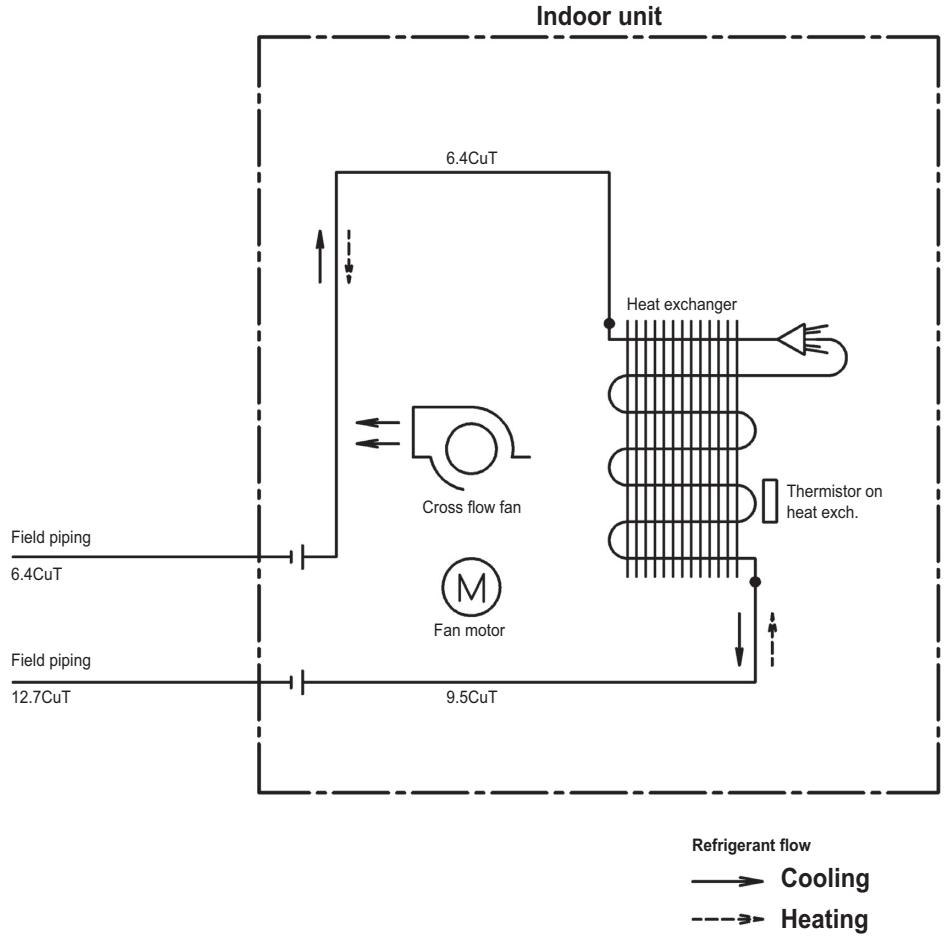
5 - 1 Piping Diagrams

FTXS20-42J2V1B



4D058897E

FTXS50J2V1B

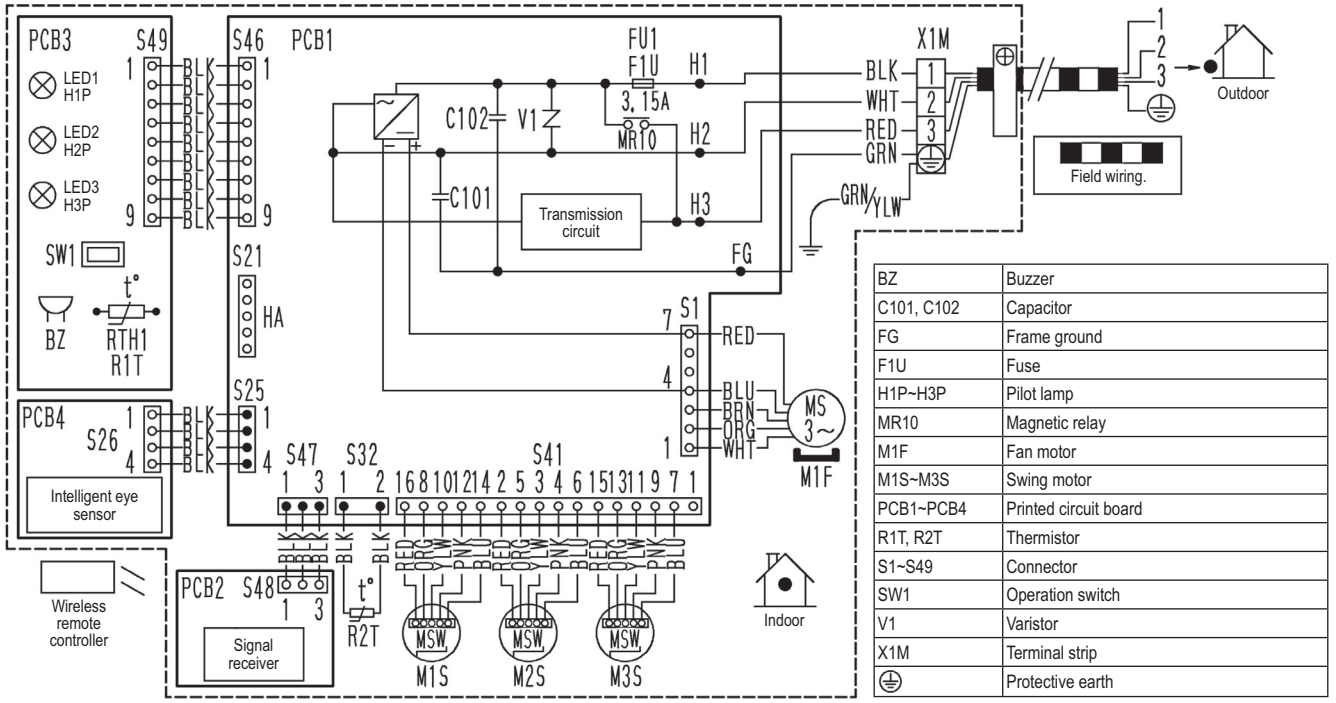


4D058898E

6 Wiring diagrams

6 - 1 Wiring Diagrams - Single Phase

FTXS20-50J2V1B



BZ	Buzzer
C101, C102	Capacitor
FG	Frame ground
F1U	Fuse
H1P~H3P	Pilot lamp
MR10	Magnetic relay
M1F	Fan motor
M1S~M3S	Swing motor
PCB1~PCB4	Printed circuit board
R1T, R2T	Thermistor
S1~S49	Connector
SW1	Operation switch
V1	Varistor
X1M	Terminal strip
⏚	Protective earth

3D058246D

NOTES

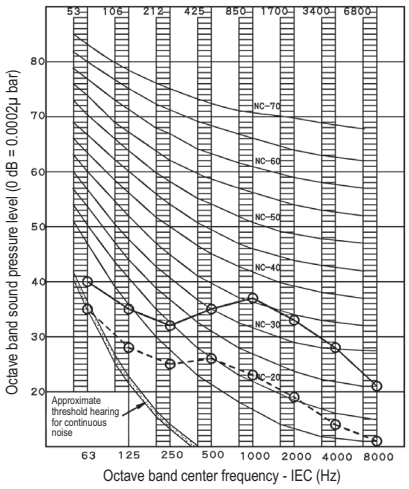
1 Size: length 70 x 70 width 120.
2 Refer to purchasing specification AS303002, unless otherwise specified.
3 This drawing was drawn on CAD system.
4 Caution: note that operation will restart automatically if the main power supply is turned off and then back on again.

7 Sound data

7 - 1 Sound Pressure Spectrum

FTXS20J2V1B

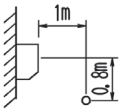
Cooling



NOTES

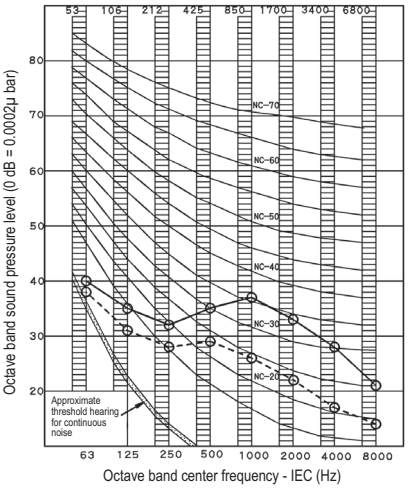
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	38	25

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

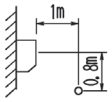
Heating



NOTES

Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	38	28

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

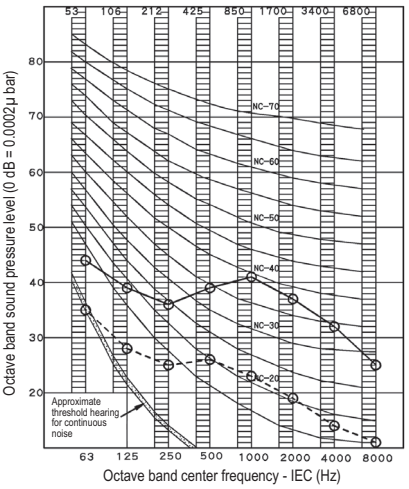


6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

3D059555A

FTXS25J2V1B

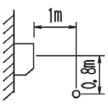
Cooling



NOTES

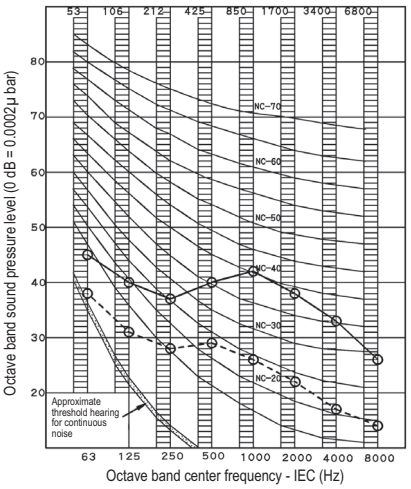
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	41	25

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

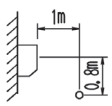
Heating



NOTES

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

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

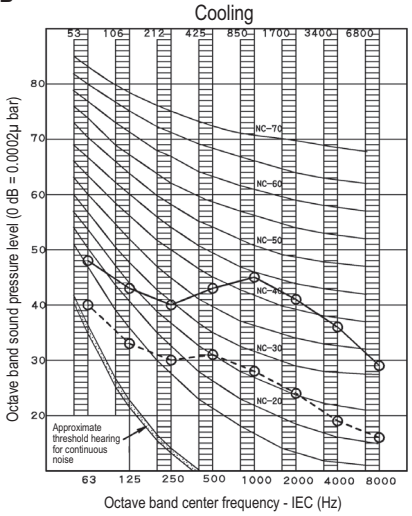
3D070576A

7 Sound data

7 - 1 Sound Pressure Spectrum

FTXS35J2V1B

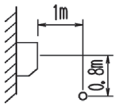
Cooling



NOTES

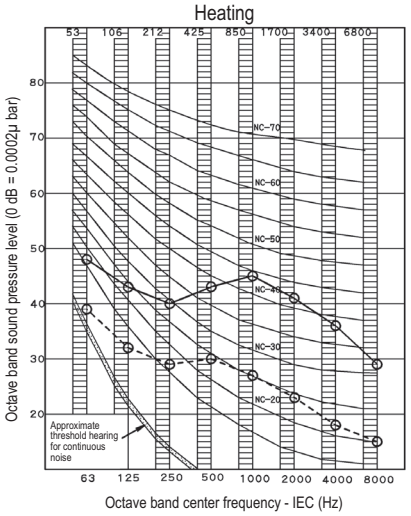
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	45	29

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

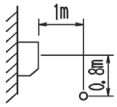
Heating



NOTES

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

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

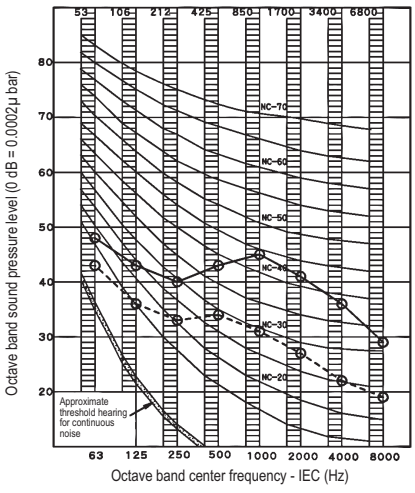


6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

3D070577

FTXS42J2V1B

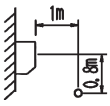
Cooling



NOTES

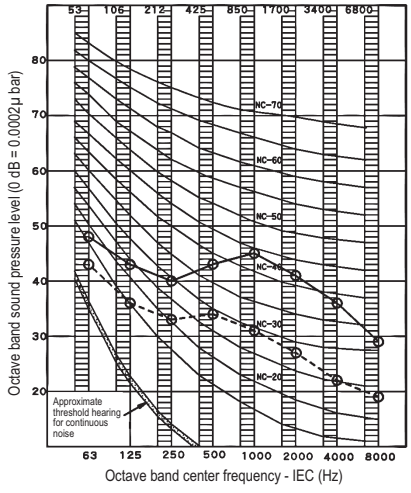
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	45	33

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

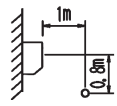
Heating



NOTES

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

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

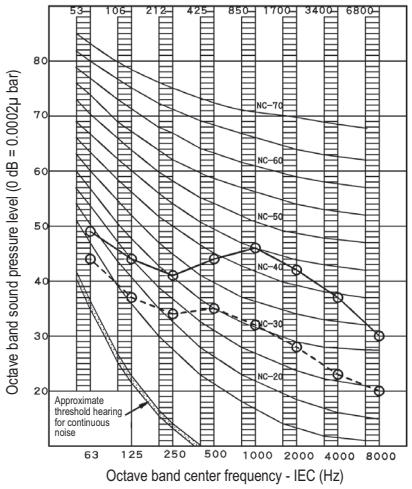
3D070578

7 Sound data

7 - 1 Sound Pressure Spectrum

FTXS50J2V1B

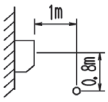
Cooling



NOTES

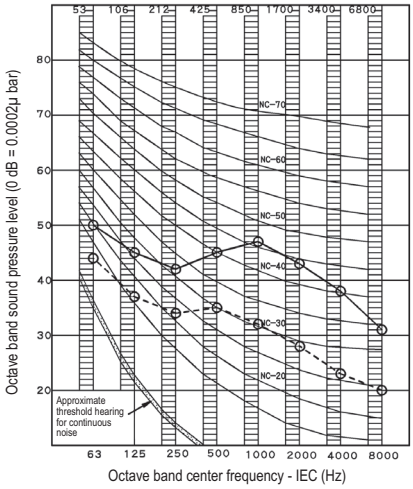
Scale	50Hz 220-240V (H)	50Hz 220-240V (L)
A	46	34

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

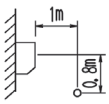
Heating



NOTES

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

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 Operating conditions: Power source 220~240V, 50Hz
5 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



6 Standard external static pressure
o—o 50 Hz 220-240V (H)
o- -o 50 Hz 220-240V (L)

3D070579

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.

Daikin products are distributed by:

Daikin Europe N.V. is participating in the EUROVENT Certification Programme. Products are as listed in the EUROVENT Directory of Certified Products. Multi units are Eurovent certified for combinations up to 2 indoor units

DAIKIN EUROPE N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende

EEDEN11-100 • CD • 01/11 • Copyright Daikin
Prepared in Belgium by Lannoo (www.lannooprint.be), a company whose concern for the environment is set in the EMAS and ISO 14001 systems.
Responsible Editor: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende