



Wall mounted unit
Air Conditioning
Technical Data
FTXJ-AS9



FTXJ20A2V1BS9
FTXJ25A2V1BS9
FTXJ35A2V1BS9
FTXJ42A2V1BS9
FTXJ50A2V1BS9

TABLE OF CONTENTS

FTXJ-AS9

1	Features	4
	FTXJ-AS9	4
2	Specifications	6
3	Options	8
4	Dimensional drawings	9
5	Centre of gravity	10
6	Piping diagrams	11
7	Wiring diagrams	12
	Wiring Diagrams - Three Phase	12
8	Sound data	13
	Sound Power Spectrum	13
	Sound Pressure Spectrum	16

1 Features




























1 - 1 FTXJ-AS9

Design that speaks for itself

1

- › Remarkable blend of iconic design and engineering excellence with a silver coloured elegant finish
- › The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- › The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- › Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- › Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- › Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- › Onecta app: control your indoor from any location with an app, via your local network or internet.
- › Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!



 Coanda effect - heating	 Coanda effect - cooling	 Intelligent thermal sensor	 Heat boost	 Onecta app	 Econo mode	 Energy saving during standby mode	 Night set mode	 Fan only
 Comfort mode	 Powerful mode	 Auto cooling- heating changeover	 Indoor unit silent operation	 3-D air flow	 Vertical auto swing	 Horizontal auto swing	 Auto fan speed	 Fan speed steps
 Dry programme	 Silver allergen removal and air purifying filter	 Flash Streamer	 Practically inaudible	 Titanium apatite deodorising filter	 Air filter	 Weekly timer	 Wired remote control	 Auto-restart

1 Features

1 - 1 FTXJ-AS9



Self diagnosis



Multi model application

2 Specifications

2 - 1 Specifications

2

Technical specifications				FTXJ20AS9	FTXJ25AS9	FTXJ35AS9	FTXJ42AS9	FTXJ50AS9		
Power input	Cooling	Nom.	kW	0.02	0.022	0.024	0.028	0.031		
	Heating	Nom.	kW	0.021	0.022	0.024	0.036	0.039		
Casing	Colour			Silver						
Dimensions	Unit	Height	mm	305						
		Width	mm	900						
		Depth	mm	212						
	Packed unit	Height	mm	345						
		Width	mm	1,010						
		Depth	mm	395						
Weight	Unit			12						
	Packed unit			15						
Packing	Weight		kg	3						
Heat exchanger	Length		mm	622						
	Rows	Quantity		2						
		Fin pitch		mm	1.4					
	Face area		m ²	0.214						
	Stages	Quantity		18						
		Passes		Quantity	2.556		3.385			
	Tube type		ø5 Hi-XB							
	Fin		Type		ML fin (Multi louver)					
	Heat exchanger 2	Quantity		1						
		Length		mm	614					
Rows		Quantity		1						
		Fin pitch		mm	1.4					
Face area		m ²	0.068		0.047					
Stages		Quantity	6		4					
Heat exchanger 3	Quantity		mm	1						
	Length		mm	614						
	Rows	Quantity		1						
		Fin pitch		mm	1.4					
	Stages		Quantity	4						
Fan	Type			Cross flow fan						
	Air flow rate	Cooling	High	m ³ /min	11	11.4	11.8	13	13.5	
				cfm	388	403	417	459	477	
			Medium	m ³ /min	8.4	8.6		9.5	10.4	
				cfm	297	304		335	367	
	Fan	Air flow rate	Cooling	Low	m ³ /min	6			7.2	7.6
cfm					212			254	268	
			Silent operation	m ³ /min	4.6				5.2	
				cfm	162				184	
		Heating	High	m ³ /min	11.1	11.3	11.7	14.4	15	
				cfm	392	399	413	509	530	
			Medium	m ³ /min	8.7	9		10.5	11.1	
				cfm	307	318		371	392	
			Low	m ³ /min	6.4			7.7	8.2	
				cfm	226			272	290	
Silent operation		m ³ /min	4.6				5.2	5.7		
		cfm	162				184	201		
Fan motor	Model			MM9G21V28VA						
	Speed	Steps		5 + silent, + auto						
		Cooling	High	rpm	1,060	1,100	1,140	1,210	1,240	
				rpm	860	880		980	1,020	
			Low	rpm	670				780	820
		Silent operation		rpm	570					620
		Heating	High	rpm	1,090	1,110	1,140	1,310	1,350	
				rpm	920	940		1,070	1,190	
			Low	rpm	740			850	930	
		Silent operation		rpm	590				640	680
		Output		Rated	W			24		
		Sound power level	Cooling		dBA		57			60
		Sound pressure level	Cooling	High	dBA	39	40	41	45	46
Medium	dBA			32	33		37	39		
Low	dBA			25			29	31		
Silent operation				dBA	19				21	24
Heating	High		dBA	39	40	41	45	46		
	Medium		dBA	32	33		37	42		
	Low		dBA	25			29	33		
	Silent operation		dBA	19				21	24	
Refrigerant	Type		R-32							
	GWP		675							

2 Specifications

2 - 1 Specifications

Technical specifications				FTXJ20AS9	FTXJ25AS9	FTXJ35AS9	FTXJ42AS9	FTXJ50AS9
Piping connections	Liquid	OD	mm	6.35				
	Gas	OD	mm	9.5			12.7	
	Drain			18				
Piping connections	Heat insulation			Both liquid and gas pipes				
Air filter	Type			Removable / washable				
	Quantity			2				
Air direction control				Right, Left, Horizontal, Downward				
Temperature control				Microcomputer control				
Control systems	Infrared remote control			ARC488A1S				
	Wired remote control			BRC073A1				

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Wireless remote control;Quantity: 1;

Standard accessories: Screw cover;Quantity: 2;

Standard accessories: AAA dry-cell batteries;Quantity: 2;

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: Operation manual;Quantity: 1;

Standard accessories: Titanium apatite deodorizing filter;Quantity: 1;

Standard accessories: Silver particle filter;Quantity: 1;

Standard accessories: Remote control holder;Quantity: 1;

Standard accessories: Screw bag;Quantity: 1;

Electrical specifications				FTXJ20AS9	FTXJ25AS9	FTXJ35AS9	FTXJ42AS9	FTXJ50AS9
Power supply	Name			V1				
	Phase			1~				
	Frequency			50				
	Voltage			220-240				
Current	Nominal running current (RLA) - 50Hz	Heating	A	0.3			0.4	
		Quantity			3			
Wiring connections - 50Hz	For power supply	Remark		3 for power supply, 4 for interunit wiring (Earth wire included)				

Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m |

Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m

3 Options

3 - 1 Options

3

FTXJ-AB9
FTXJ-AS9
FTXJ-AW9

Option kit	Product name	Remark	Remark	Remark	Remark	Application models																																																																																																			
						Class	Ceiling	FTXJ-AB9	FTXJ-AS9	FTXJ-AW9	A-MID	New Perfera	New floor stand	OS4 mid. hgt.	Emura 3	Emura 3	Emura 3	Zeta	OS4 mid. hgt.																																																																																						
Wired remote control	BRC079A1	(2)(3)	(2)(3)	(2)(3)	(2)(3)	FTXJ-AB9-1B	FTXJ-AB9-2B	FTXJ-AB9-3B	FTXJ-AB9-4B	FTXJ-AB9-5B	FTXJ-AB9-6B	FTXJ-AB9-7B	FTXJ-AB9-8B	FTXJ-AB9-9B	FTXJ-AB9-10B	FTXJ-AB9-11B	FTXJ-AB9-12B	FTXJ-AB9-13B	FTXJ-AB9-14B	FTXJ-AB9-15B	FTXJ-AB9-16B	FTXJ-AB9-17B	FTXJ-AB9-18B	FTXJ-AB9-19B	FTXJ-AB9-20B	FTXJ-AB9-21B	FTXJ-AB9-22B	FTXJ-AB9-23B	FTXJ-AB9-24B	FTXJ-AB9-25B	FTXJ-AB9-26B	FTXJ-AB9-27B	FTXJ-AB9-28B	FTXJ-AB9-29B	FTXJ-AB9-30B	FTXJ-AB9-31B	FTXJ-AB9-32B	FTXJ-AB9-33B	FTXJ-AB9-34B	FTXJ-AB9-35B	FTXJ-AB9-36B	FTXJ-AB9-37B	FTXJ-AB9-38B	FTXJ-AB9-39B	FTXJ-AB9-40B	FTXJ-AB9-41B	FTXJ-AB9-42B	FTXJ-AB9-43B	FTXJ-AB9-44B	FTXJ-AB9-45B	FTXJ-AB9-46B	FTXJ-AB9-47B	FTXJ-AB9-48B	FTXJ-AB9-49B	FTXJ-AB9-50B	FTXJ-AB9-51B	FTXJ-AB9-52B	FTXJ-AB9-53B	FTXJ-AB9-54B	FTXJ-AB9-55B	FTXJ-AB9-56B	FTXJ-AB9-57B	FTXJ-AB9-58B	FTXJ-AB9-59B	FTXJ-AB9-60B	FTXJ-AB9-61B	FTXJ-AB9-62B	FTXJ-AB9-63B	FTXJ-AB9-64B	FTXJ-AB9-65B	FTXJ-AB9-66B	FTXJ-AB9-67B	FTXJ-AB9-68B	FTXJ-AB9-69B	FTXJ-AB9-70B	FTXJ-AB9-71B	FTXJ-AB9-72B	FTXJ-AB9-73B	FTXJ-AB9-74B	FTXJ-AB9-75B	FTXJ-AB9-76B	FTXJ-AB9-77B	FTXJ-AB9-78B	FTXJ-AB9-79B	FTXJ-AB9-80B	FTXJ-AB9-81B	FTXJ-AB9-82B	FTXJ-AB9-83B	FTXJ-AB9-84B	FTXJ-AB9-85B	FTXJ-AB9-86B	FTXJ-AB9-87B	FTXJ-AB9-88B	FTXJ-AB9-89B	FTXJ-AB9-90B	FTXJ-AB9-91B	FTXJ-AB9-92B	FTXJ-AB9-93B	FTXJ-AB9-94B	FTXJ-AB9-95B	FTXJ-AB9-96B	FTXJ-AB9-97B	FTXJ-AB9-98B	FTXJ-AB9-99B	FTXJ-AB9-100B

- Notes
- Standard accessory
 - This option features a(n) -S21- connector. To connect this option to the indoor unit, therefore conversion wire harness -EKRS21- is required.
 - This option cannot operate together with the wireless LAN functionality that is a standard feature of the indoor unit.
When connecting this option to the indoor unit, turn off the indoor unit's wireless LAN functionality.
 - Obsolete option.
 - Production of this option finished, replaced by new option KRP413BB1S.

3D120481L

4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXJ-AB9
FTXJ-AS9
FTXJ-AW9

2D138920

FTXJ-AB9
FTXJ-AS9
FTXJ-AW9

• Outside size

Connector (Model: B04B-PASK)
(1pin:Vin 2pin:Ans 3pin:HL 4pin:GND)

• Method of mounting

Don't blockage the vent of streamer unit.
Ensure the exit wind speed 0.2m/sec of the vent.
Ensure the spatial distance 8.5mm over at the vent of streamer unit.

Ensure the spatial distance 8.5mm over at the vent of streamer unit by products.

Don't arrange conduction material within 20mm of the aluminum tape (Except for the unit fixing screw).

• Main specifications

Items	Contents		
Outside	Outside size	150.9×46.9×27.5mm	
	Weight	100g	
Material of resin	Material	ABS	
	Flame retardance	UL94-5VA	
	Tracking index	Over CTI600V	
Applicable laws	Electrical Appliance and Material Safety Act IEC60335-1(4th), IEC60335-2-65(4th)		
Ambient conditions	Storage temperature	-25~70 (Non-Energization)	
	Operating ambient temperature	-10~60 (Energization)	
	Operating ambient humidity	5~95%RH (No dew deposit)	
Basic specifications	Input voltage	14V±5%	
	Maximum output voltage	6.5±0.5kV	
	Rating output voltage	5.0±0.5kV	
	Rating output current	Hi	55.5µA±10%
		Lo	10µA±10%
	ON/OFF	Inputted voltage into Vin (ON/OFF)	
	Hi ⇄ Lo Switching	Inputted 5V into HL (Loe tap)	
	Current monitor	Yes	
	Detectable over current	Yes	
	Detectable low voltage	Under 3kV	
Generation amount of Ozone	4.26ml/hr (Hi 14±2; 50±10%RH)		
Method of mounting	Fixing by the right and left hook		
	Fixing by the screw section		

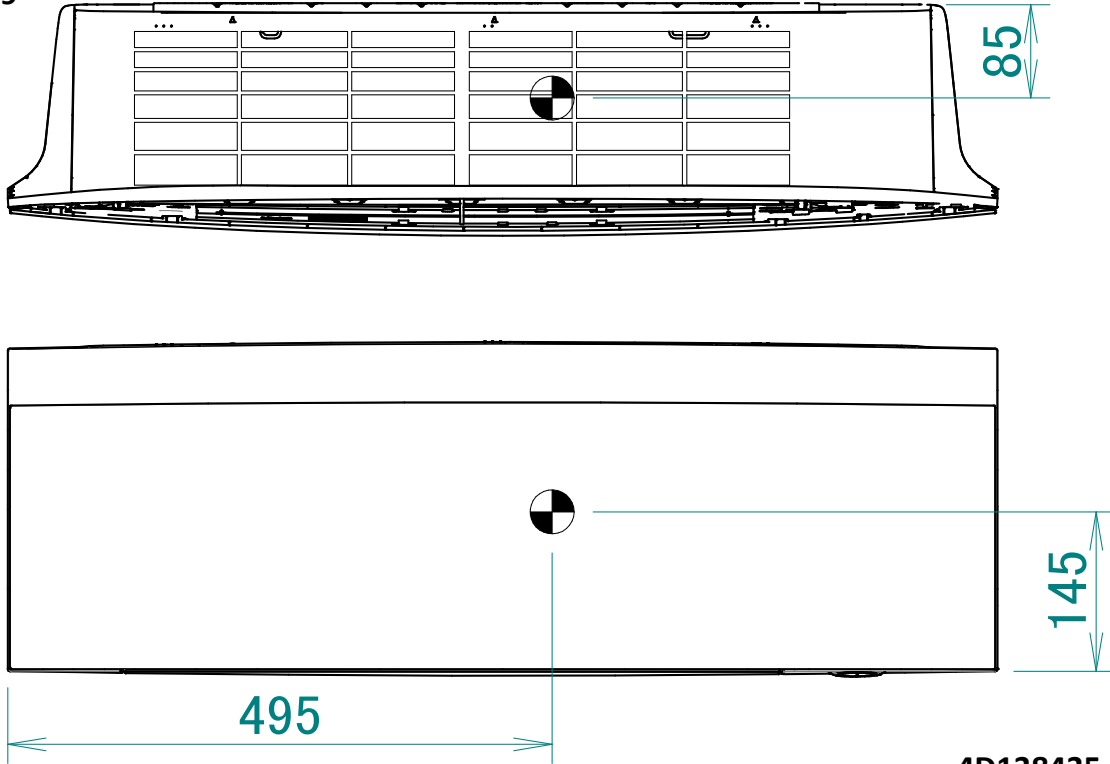
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5 Centre of gravity

5 - 1 Centre of Gravity

5

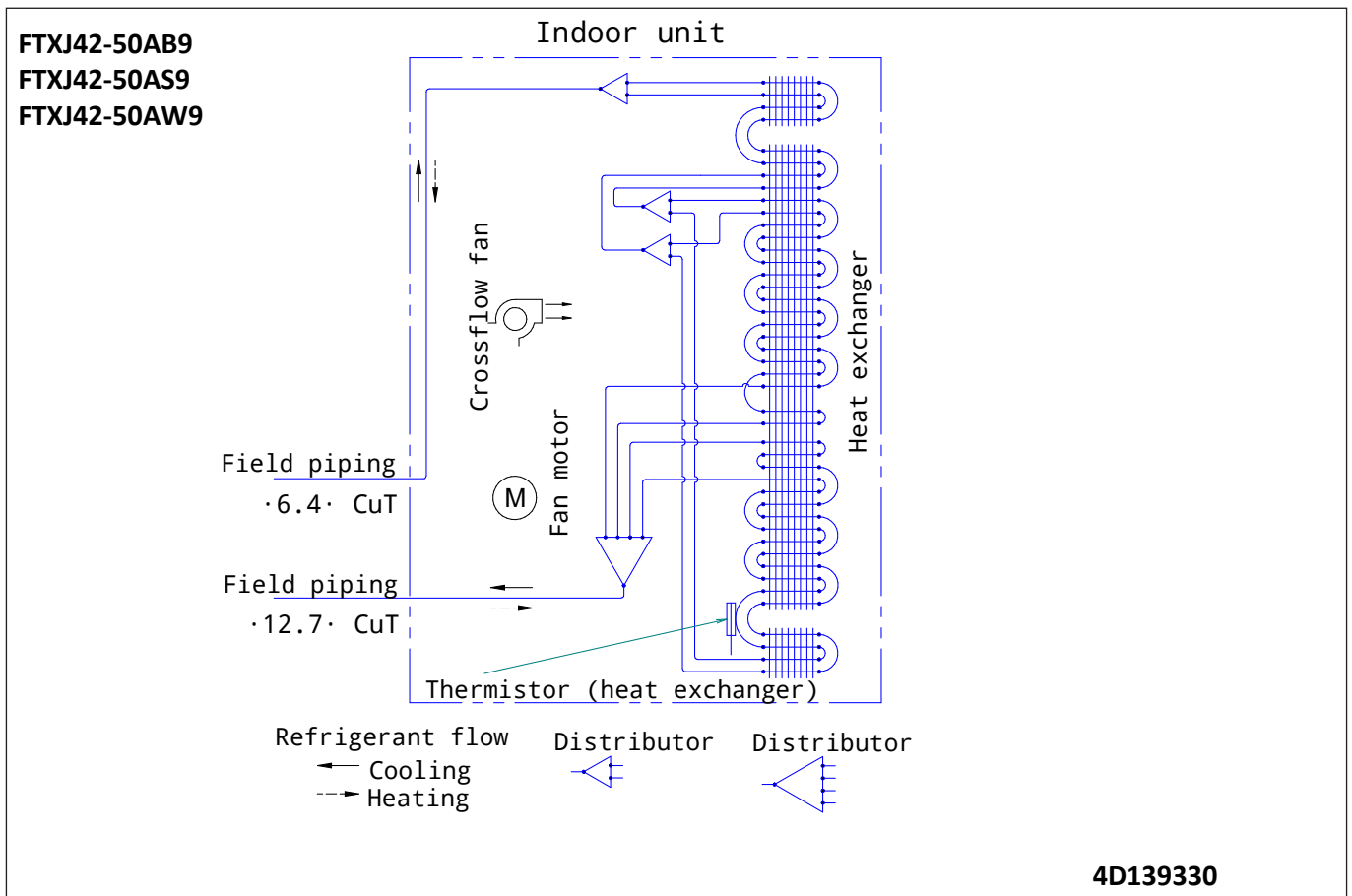
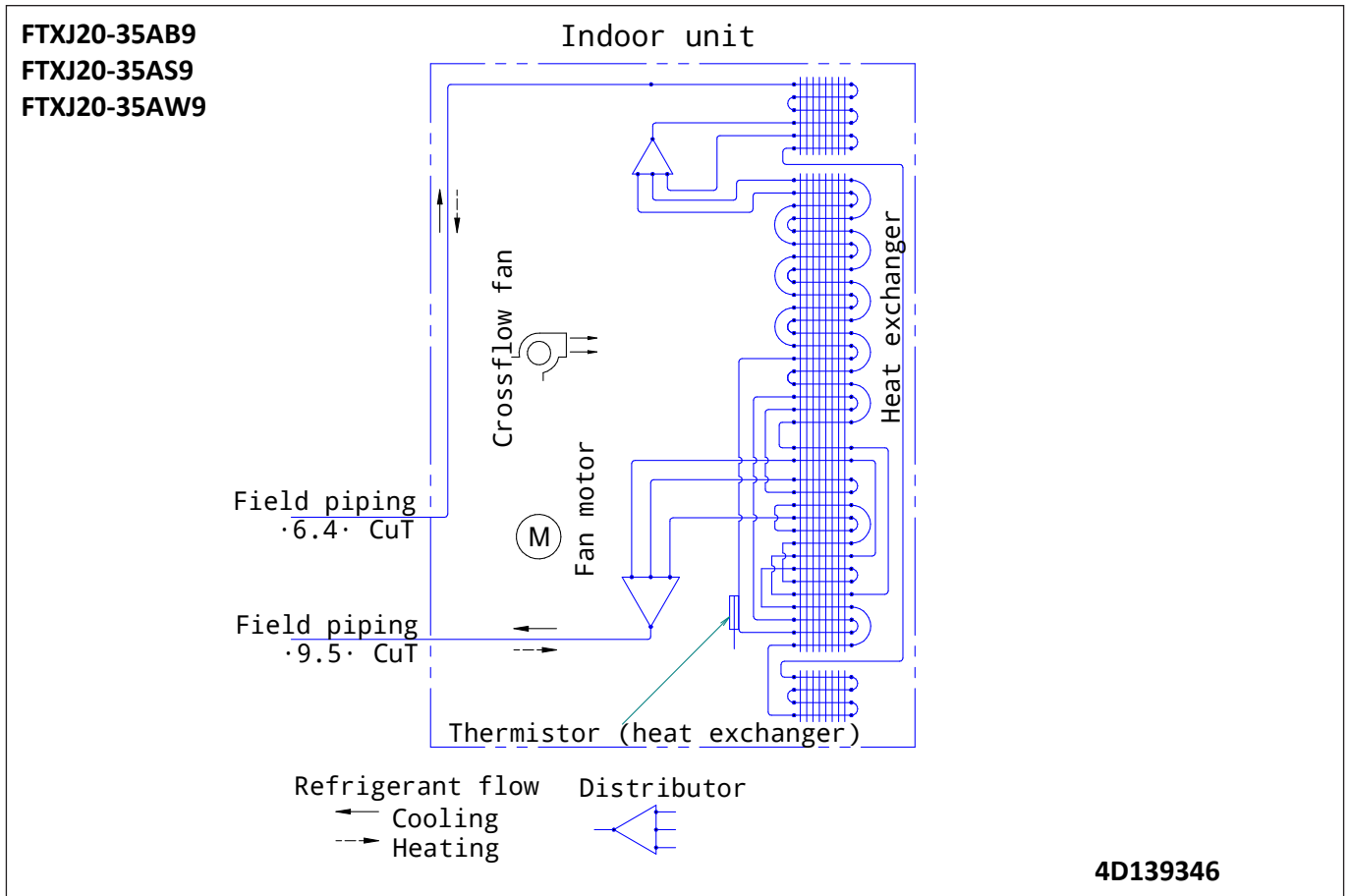
FTXJ-AB9
FTXJ-AS9
FTXJ-AW9



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6 Piping diagrams

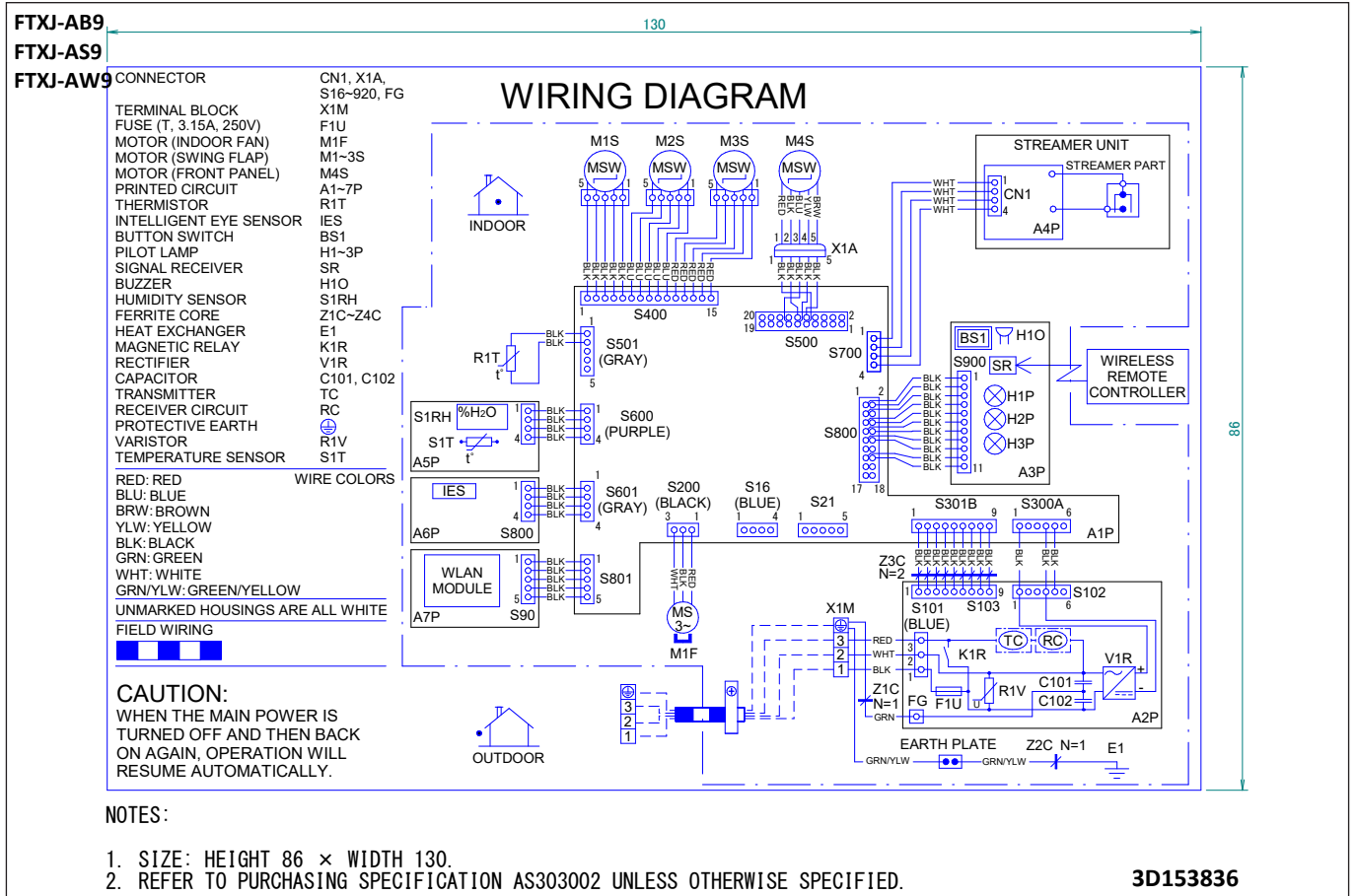
6 - 1 Piping Diagrams



7 Wiring diagrams

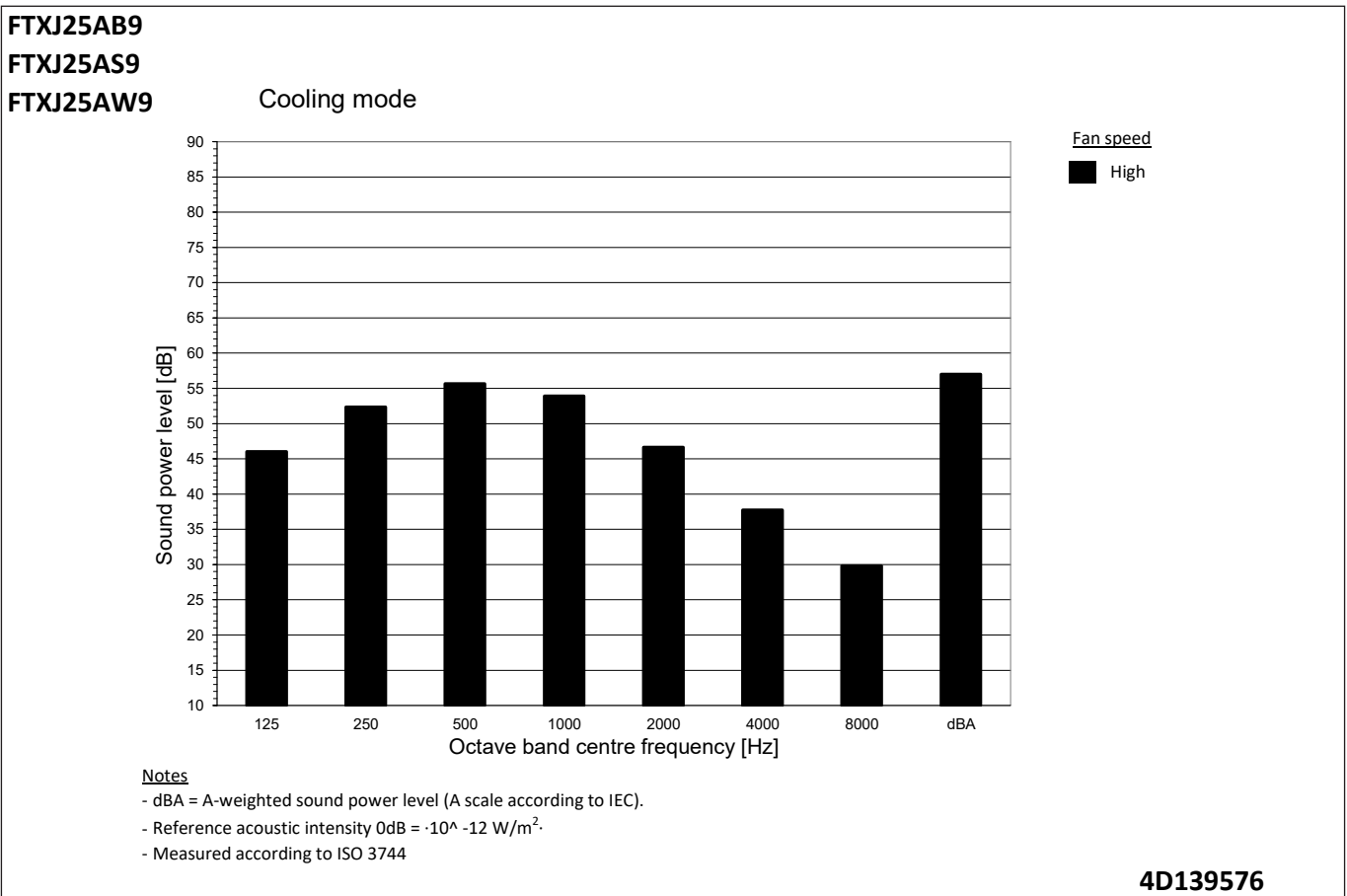
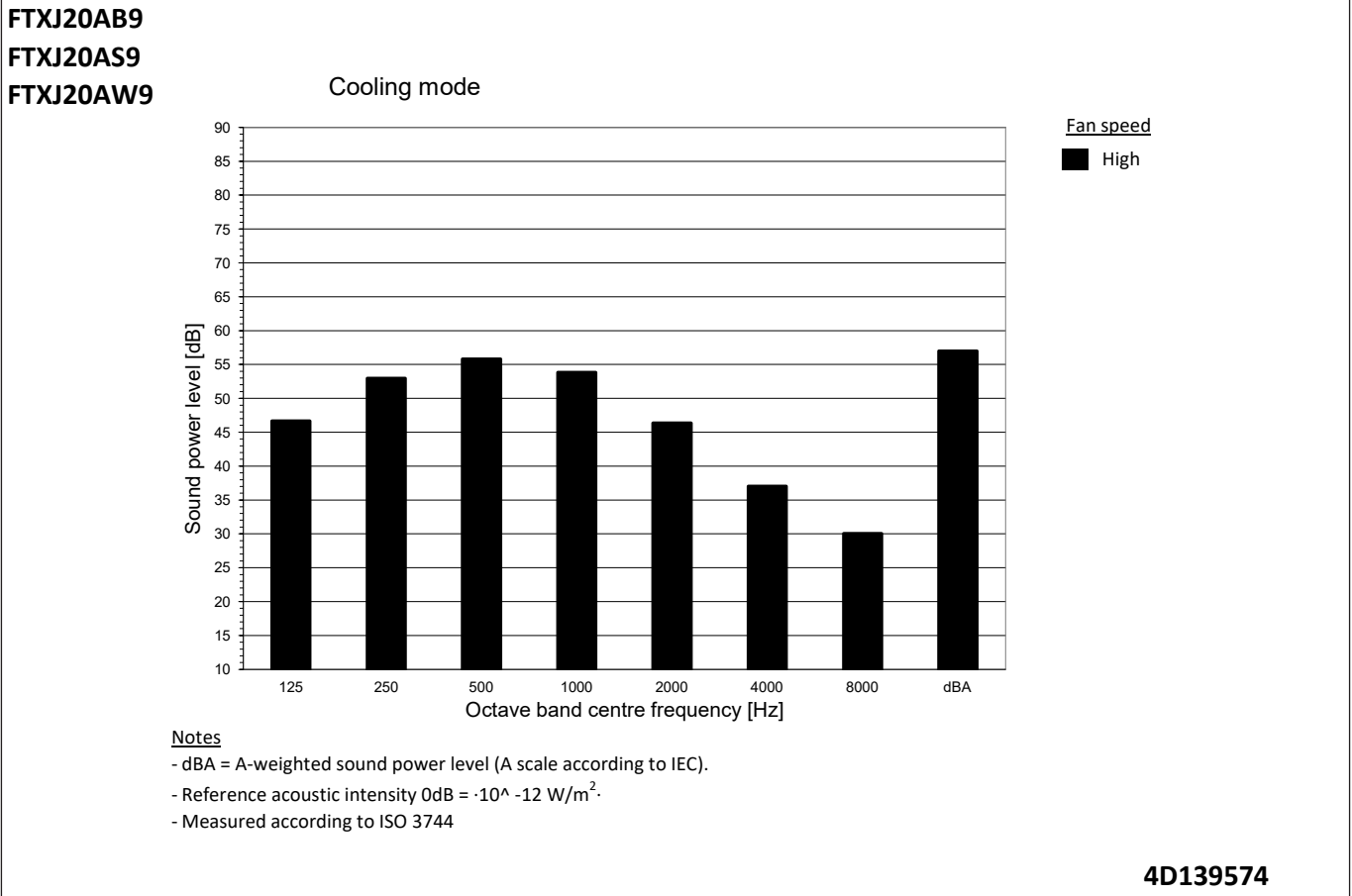
7 - 1 Wiring Diagrams - Three Phase

7



8 Sound data

8 - 1 Sound Power Spectrum



8 Sound data

8 - 1 Sound Power Spectrum

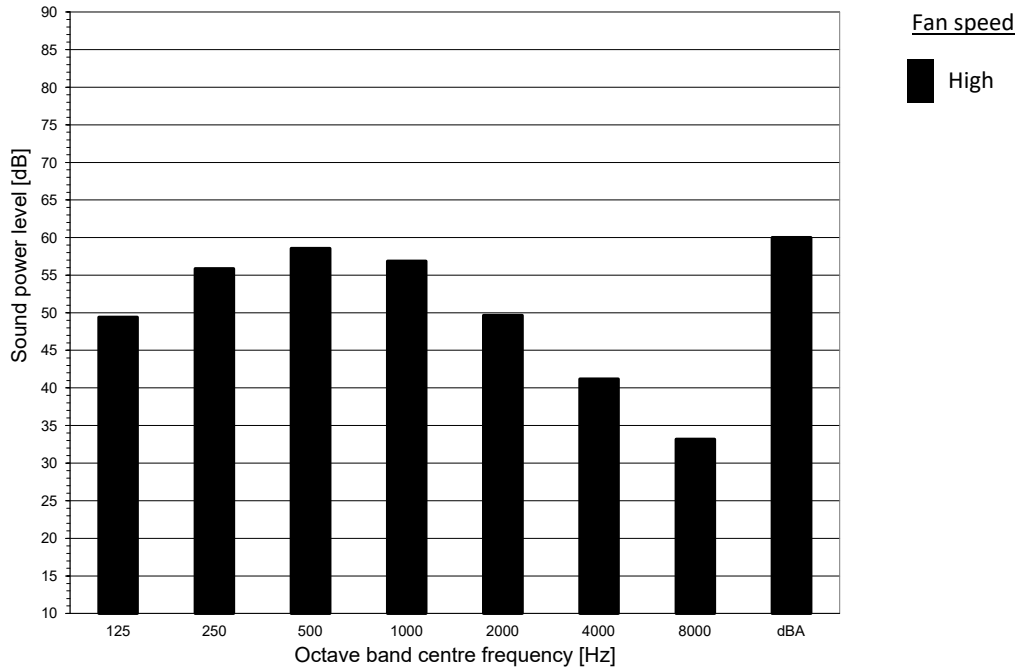
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FTXJ35AB9

FTXJ35AS9

FTXJ35AW9

Cooling mode



Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W/m².
- Measured according to ISO 3744

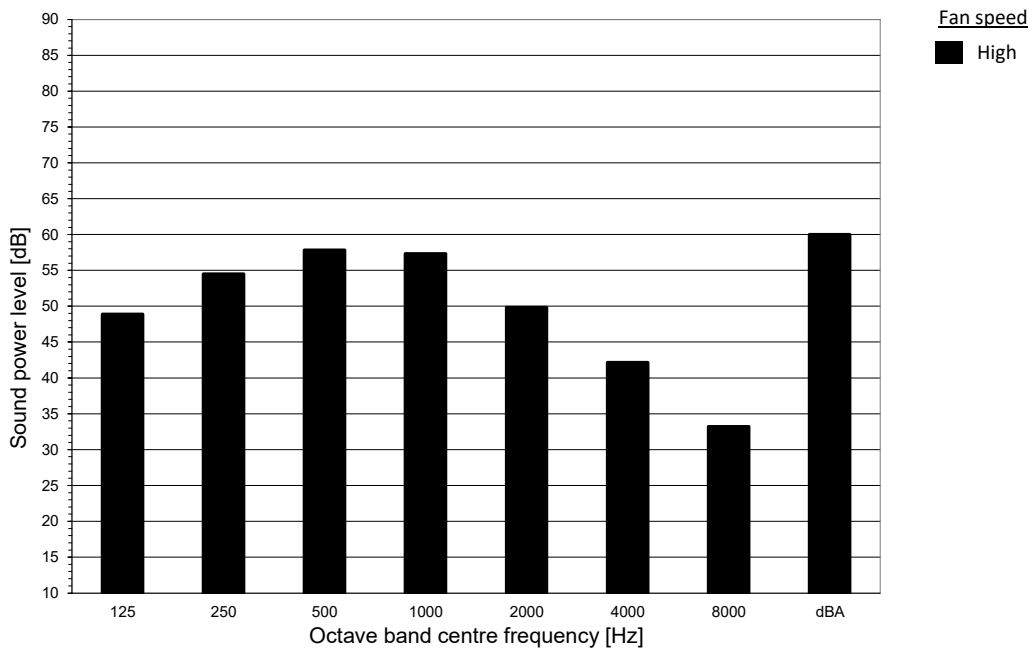
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FTXJ42AB9

FTXJ42AS9

FTXJ42AW9

Cooling mode



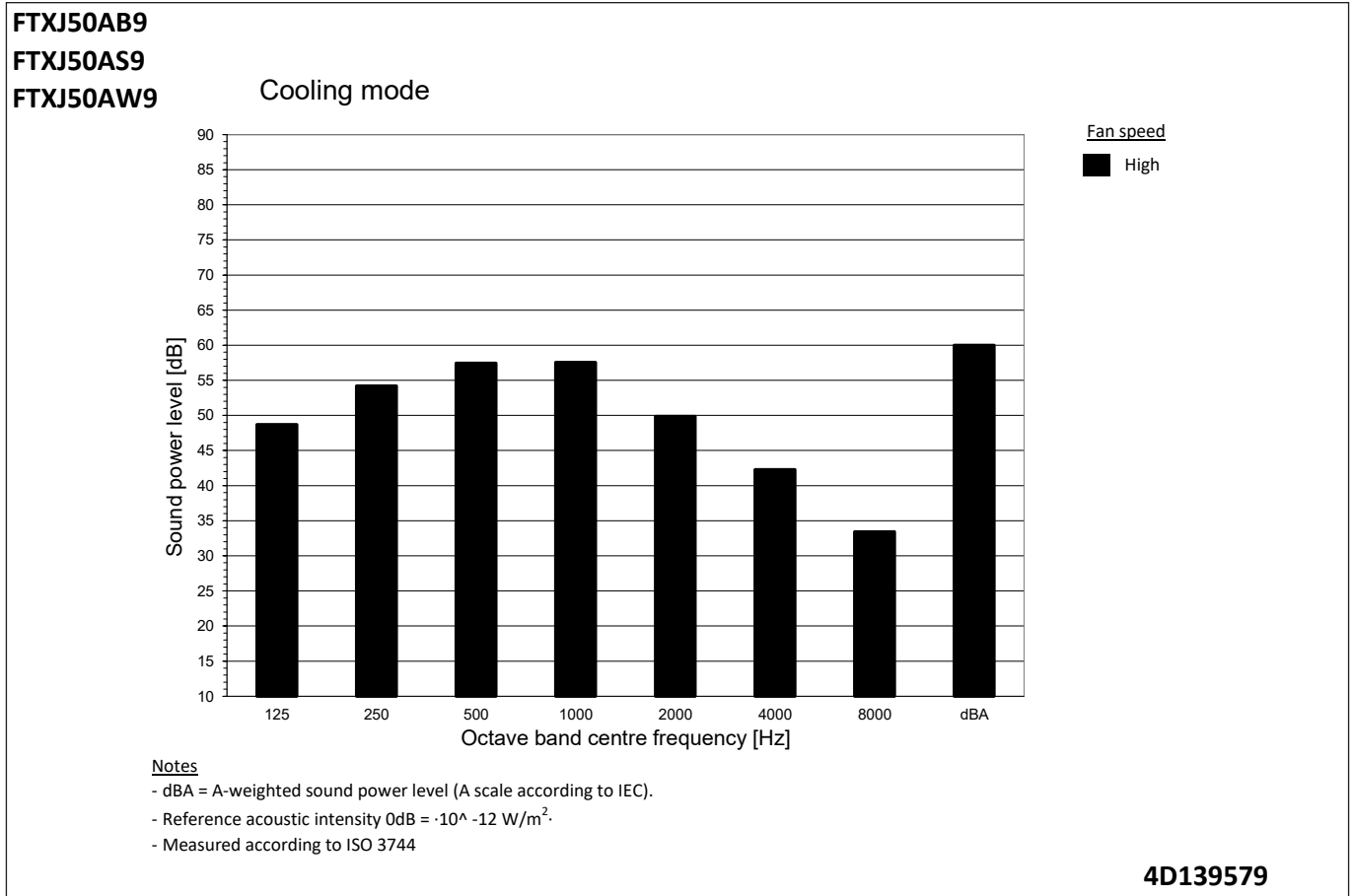
Notes

- dBA = A-weighted sound power level (A scale according to IEC).
- Reference acoustic intensity 0dB = 10^{-12} W/m².
- Measured according to ISO 3744

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8 Sound data

8 - 1 Sound Power Spectrum

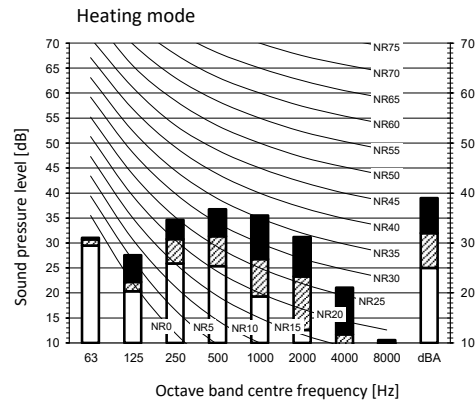
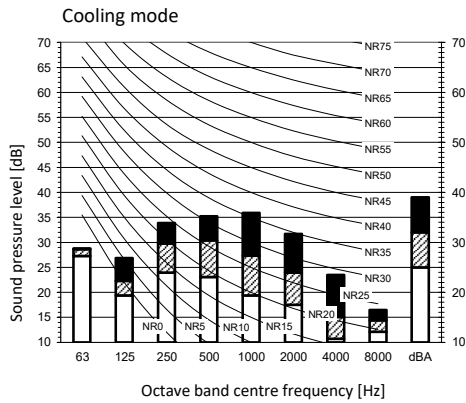


8 Sound data

8 - 2 Sound Pressure Spectrum

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FTXJ20AB9
FTXJ20AS9
FTXJ20AW9



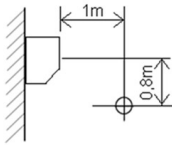
Legend

dBA = A-weighted sound pressure level (A scale ac)

A Scale

- B ■ Fan speed: High
- C ▨ Fan speed: Medium
- D □ Fan speed: Low

Location of microphone



Cooling Total dB

A	B	C	D
dBA	39	32	25

Heating Total dB

A	B	C	D
dBA	39	32	25

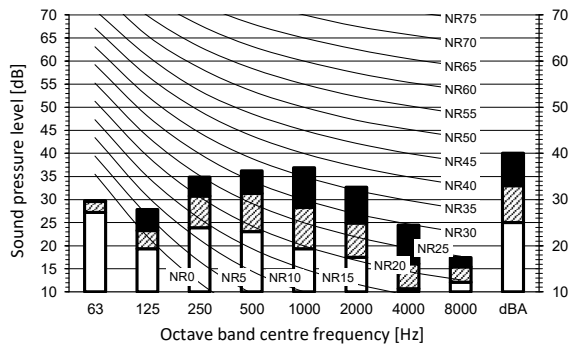
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

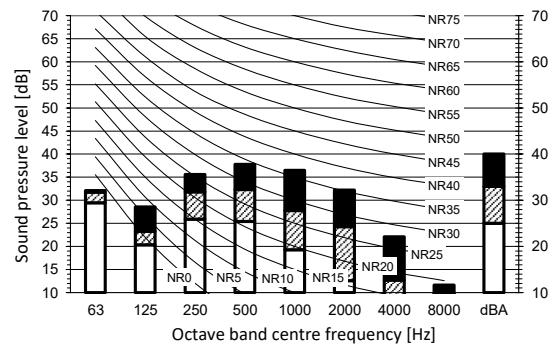
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FTXJ25AB9
FTXJ25AS9
FTXJ25AW9

Cooling mode



Heating mode



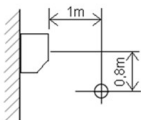
Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

- B ■ Fan speed: High
- C ▨ Fan speed: Medium
- D □ Fan speed: Low

Location of microphone



Cooling Total dB

A	B	C	D
dBA	40	33	25

Heating Total dB

A	B	C	D
dBA	40	33	25

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

4D139657

8 Sound data

8 - 2 Sound Pressure Spectrum

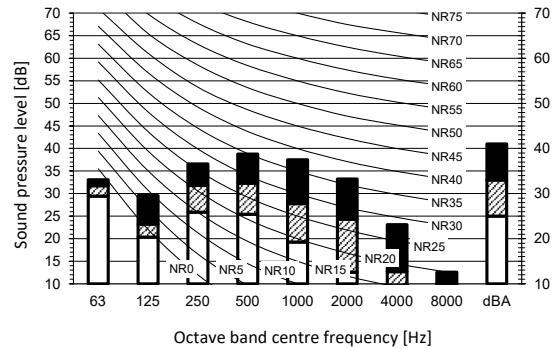
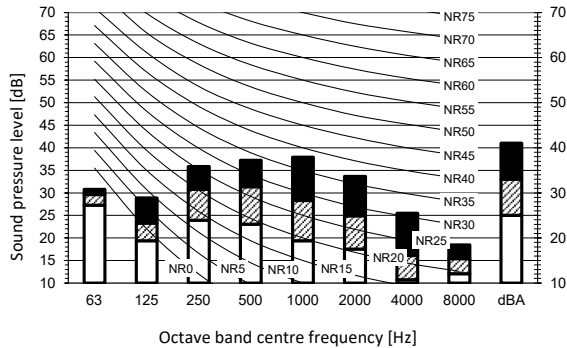
FTXJ35AB9

FTXJ35AS9

FTXJ35AW9

Cooling mode

Heating mode



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

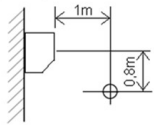
Cooling Total dB

	A	B	C	D
dBA	41	33	25	

Heating Total dB

	A	B	C	D
dBA	41	33	25	

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

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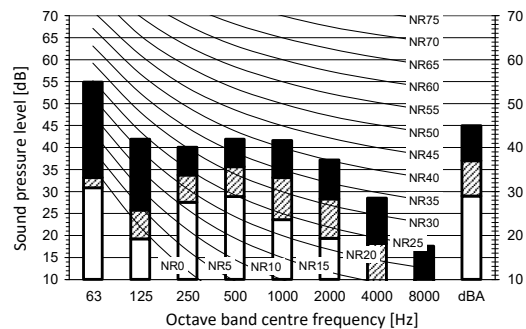
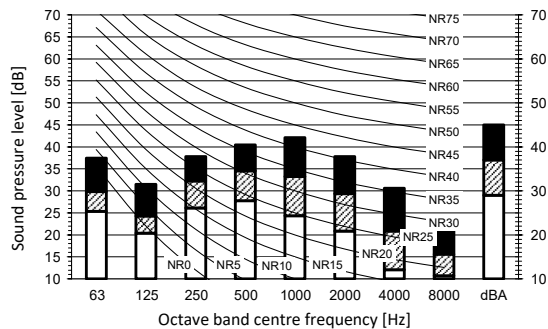
FTXJ42AB9

FTXJ42AS9

FTXJ42AW9

Cooling mode

Heating mode



Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

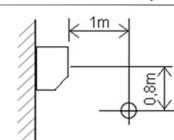
Cooling Total dB

	A	B	C	D
dBA	45	37	29	

Heating Total dB

	A	B	C	D
dBA	45	37	29	

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
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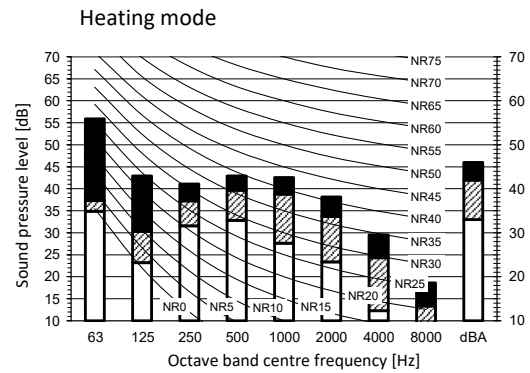
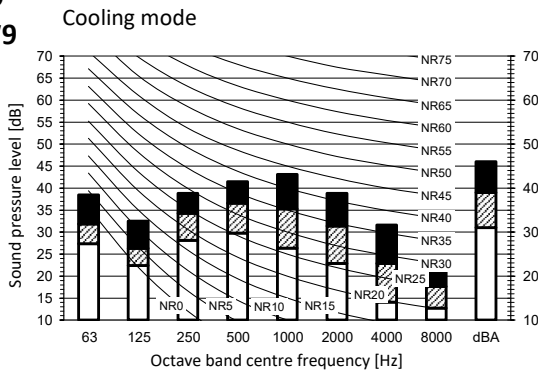
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8 Sound data

8 - 2 Sound Pressure Spectrum

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FTXJ50AB9
FTXJ50AS9
FTXJ50AW9



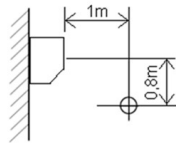
Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

- B Fan speed: High
- C Fan speed: Medium
- D Fan speed: Low

Location of microphone



Cooling

Total dB			
A	B	C	D
dBA	46	39	31

Heating Total dB

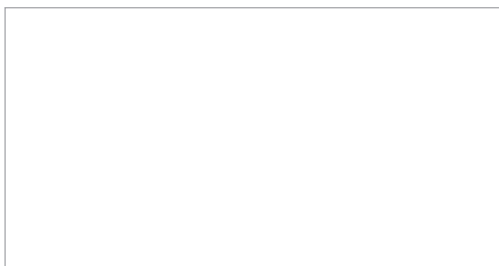
Total dB			
A	B	C	D
dBA	46	42	33

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
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3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

4D139660

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