



Air Conditioning Technical Data

Wall mounted unit



EEDEN15-100

FTXJ-LW, FTXJ-LS

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FTXJ-LW, FTXJ-LS

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1 Features

1 - 1 FTXJ-LW

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white
- Daikin Emura has been awarded with Reddot design award 2014 by an international jury, thanks to its excellent design
- Designed to perfectly balance technological leadership and the beauty of aerodynamics
- Seasonal efficiency values up to A+++
- Online controller (optional): 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!

1



Econo mode



2 area intelligent eye



Energy saving during standby mode



Night set mode



Fan only



Comfort mode



Powerful mode



Auto cooling-heating changeover



Whisper quiet



Indoor unit silent operation



3-D air flow



Vertical auto swing



Horizontal auto swing



Auto fan speed



Fan speed steps



Dry programme



Titanium apatite photocatalytic air purification filter



Weekly timer



24 hour timer



Infrared remote control



Wired remote control



Centralised control



Online controller via app



Auto-restart




























Self diagnosis

1 Features

1 - 2 FTXJ-LS

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- Remarkable blend of iconic design and engineering excellence with an elegant finish in silver and anthracite
- Daikin Emura has been awarded with Reddot design award 2014 by an international jury, thanks to its excellent design
- Designed to perfectly balance technological leadership and the beauty of aerodynamics
- Seasonal efficiency values up to A+++
- Online controller (optional): 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!



								
Econo mode	2 area intelligent eye	Energy saving during standby mode	Night set mode	Fan only	Comfort mode	Powerful mode	Auto cooling-heating changeover	Whisper quiet
								
Indoor unit silent operation	3-D air flow	Vertical auto swing	Horizontal auto swing	Auto fan speed	Fan speed steps	Dry programme	Titanium apatite photocatalytic air purification filter	Weekly timer
								
24 hour timer	Infrared remote control	Wired remote control	Centralised control	Online controller via app	Auto-restart	Self diagnosis		

2 Specifications

2-1 Technical Specifications				FTXJ20LW	FTXJ25LW	FTXJ35LW	FTXJ50LW	FTXJ20LS	FTXJ25LS	FTXJ35LS	FTXJ50LS		
Power input - 50Hz	Cooling	Nom.	kW	0.023		0.033		0.023		0.033			
	Heating	Nom.	kW	0.031	0.033	0.042	0.043	0.031	0.033	0.042	0.043		
Casing	Colour			White				Silver					
Dimensions	Unit	Height/Width/Depth	mm	303/998/212									
	Packed unit	Height/Width/Depth	mm	322/1,101/389									
Weight	Unit			12									
	Packed unit			16									
Packing	Weight			4									
Heat exchanger	Length			610									
	Rows	Quantity		2									
	Fin pitch			1.2									
	Stages	Quantity		18									
	Tube type			Ø6,35 Hi-XB									
	Fin	Type			Multi slit fin								
Air filter	Type			Removable / washable / mildew proof									
Fan	Type			Cross flow fan									
	Air flow rate	Cooling	High	m³/min	8.9		10.9		8.9		10.9		
				cfm	313		385		313		385		
			Nom.	m³/min	6.6	7.8	8.9	6.6	7.8	8.9			
				cfm	234	276	313	234	276	313			
			Low	m³/min	4.4	4.8	6.8	4.4	4.8	6.8			
				cfm	155	168	239	155	168	239			
		Silent operation	m³/min	2.6	2.9	3.6	2.6	2.9	3.6				
			cfm	91	102	128	91	102	128				
		Heating	High	m³/min	10.2	11.0	12.4	12.6	10.2	11.0	12.4	12.6	
				cfm	361	388	438	446	361	388	438	446	
			Nom.	m³/min	8.4	8.6	9.6	10.5	8.4	8.6	9.6	10.5	
				cfm	298	303	340	372	298	303	340	372	
	Low		m³/min	6.3	6.9	8.1	6.3	6.9	8.1				
cfm			223	245	284	223	245	284					
Silent operation	m³/min	3.8	4.1	5.0	3.8	4.1	5.0						
	cfm	133	144	176	133	144	176						
Fan motor	Model			KFD-280-40-8G1									
	Speed	Steps				5 + silent, + auto							
		Cooling	High/Medium/Low/Silent operation	rpm	1,440/1,140/840/600		1,710/1,300/890/640	1,710/1,440/1,160/740	1,440/1,140/840/600		1,710/1,300/890/640	1,710/1,440/1,160/740	
					1,620/1,380/1,100/760		1,720/1,400/1,100/760	1,910/1,540/1,180/800	1,940/1,660/1,330/920	1,620/1,380/1,100/760	1,720/1,400/1,100/760	1,910/1,540/1,180/800	1,940/1,660/1,330/920
		Heating	High/Medium/Low/Silent operation	rpm	1,620/1,380/1,100/760		1,720/1,400/1,100/760	1,910/1,540/1,180/800	1,940/1,660/1,330/920	1,620/1,380/1,100/760	1,720/1,400/1,100/760	1,910/1,540/1,180/800	1,940/1,660/1,330/920
1,620/1,380/1,100/760					1,720/1,400/1,100/760	1,910/1,540/1,180/800	1,940/1,660/1,330/920	1,620/1,380/1,100/760	1,720/1,400/1,100/760	1,910/1,540/1,180/800	1,940/1,660/1,330/920		
Output	Rated			29									
Sound power level	Cooling			54		59	60	54		59	60		
	Heating			56		59	60	56		59	60		
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/25/19		45/34/26/20	46/40/35/32	38/32/25/19		45/34/26/20	46/40/35/32		
	Heating	Super high/High/Nom./Low/Silent operation	dBA	-/40/34/28/19	-/41/34/28/19	-/45/37/29/20	-/47/41/35/32	-/40/34/28/19	-/41/34/28/19	-/45/37/29/20	-/47/41/35/32		
Control systems	Infrared remote control			ARC466A9									

2 Specifications

2-1 Technical Specifications			FTXJ20LW	FTXJ25LW	FTXJ35LW	FTXJ50LW	FTXJ20LS	FTXJ25LS	FTXJ35LS	FTXJ50LS
Piping connections	Liquid	OD	6.35							
	Gas	OD	9.5		12.7		9.5		12.7	
	Drain		18							
	Heat insulation		Both liquid and gas pipes							
Temperature control			Microcomputer control							
Air direction control			Right, Left, Horizontal, Downward							

- 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;
- Standard Accessories : Titanium apatite photocatalytic air purification filter; Quantity : 2;
- Standard Accessories : Indoor unit fixing screws; Quantity : 2;
- Standard Accessories : Screw cover; Quantity : 2;
- Standard Accessories : Fixing screws for mounting plate; Quantity : 5;
- Standard Accessories : Fixing screw for remote controller holder; Quantity : 2;
- Standard Accessories : Titanium apatite filters; Quantity : 2;

2-2 Electrical Specifications				FTXJ20LW	FTXJ25LW	FTXJ35LW	FTXJ50LW	FTXJ20LS	FTXJ25LS	FTXJ35LS	FTXJ50LS
Power supply	Name			V1							
	Phase			1~							
	Frequency	Hz		50							
	Voltage	V		220-240							
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.12		0.16		0.12		0.16	
		Heating	A	0.15	0.16	0.21	0.15	0.16	0.21		

Notes

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

3 Options

3 - 1 Options

3

FTXJ-LW/LS

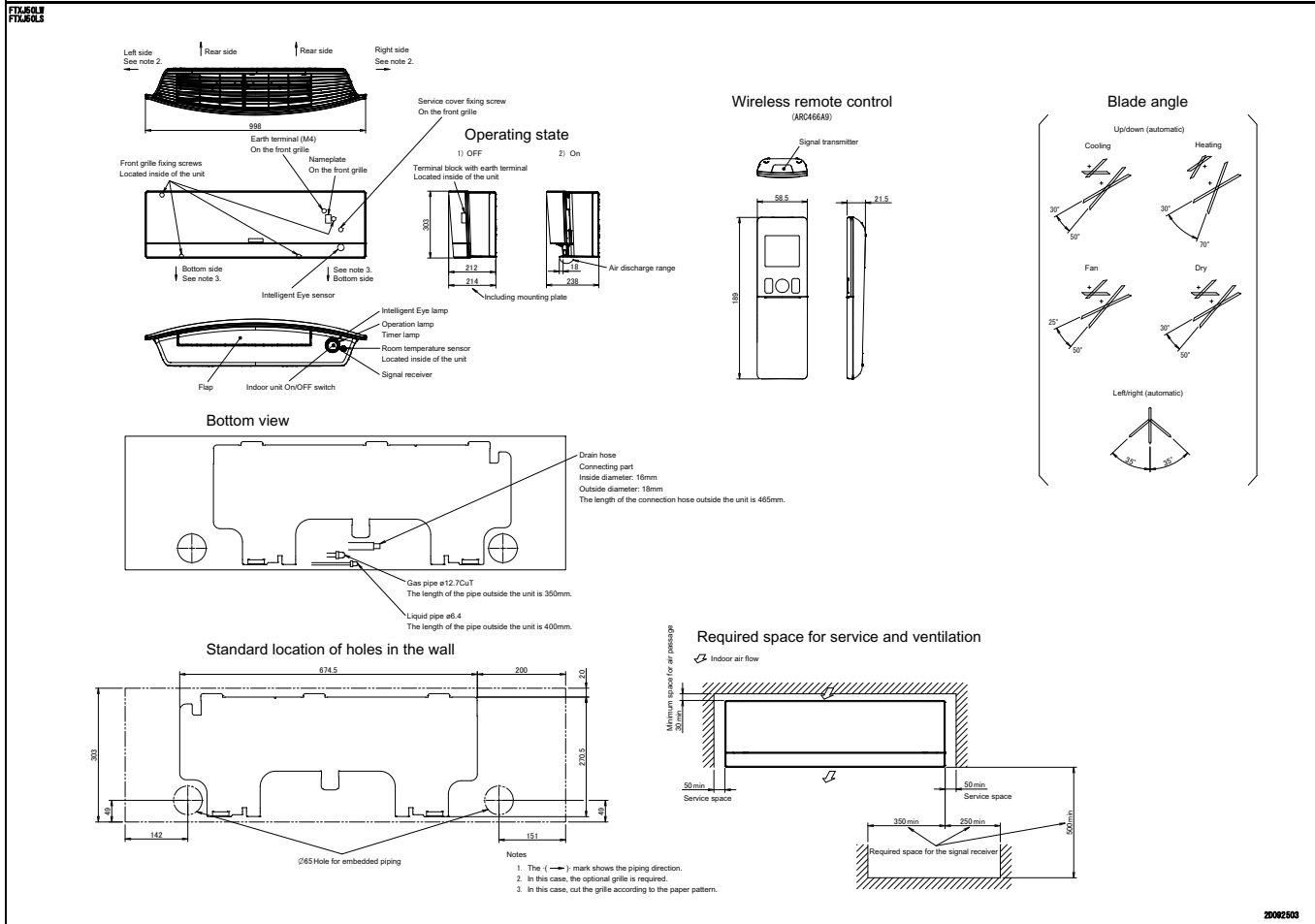
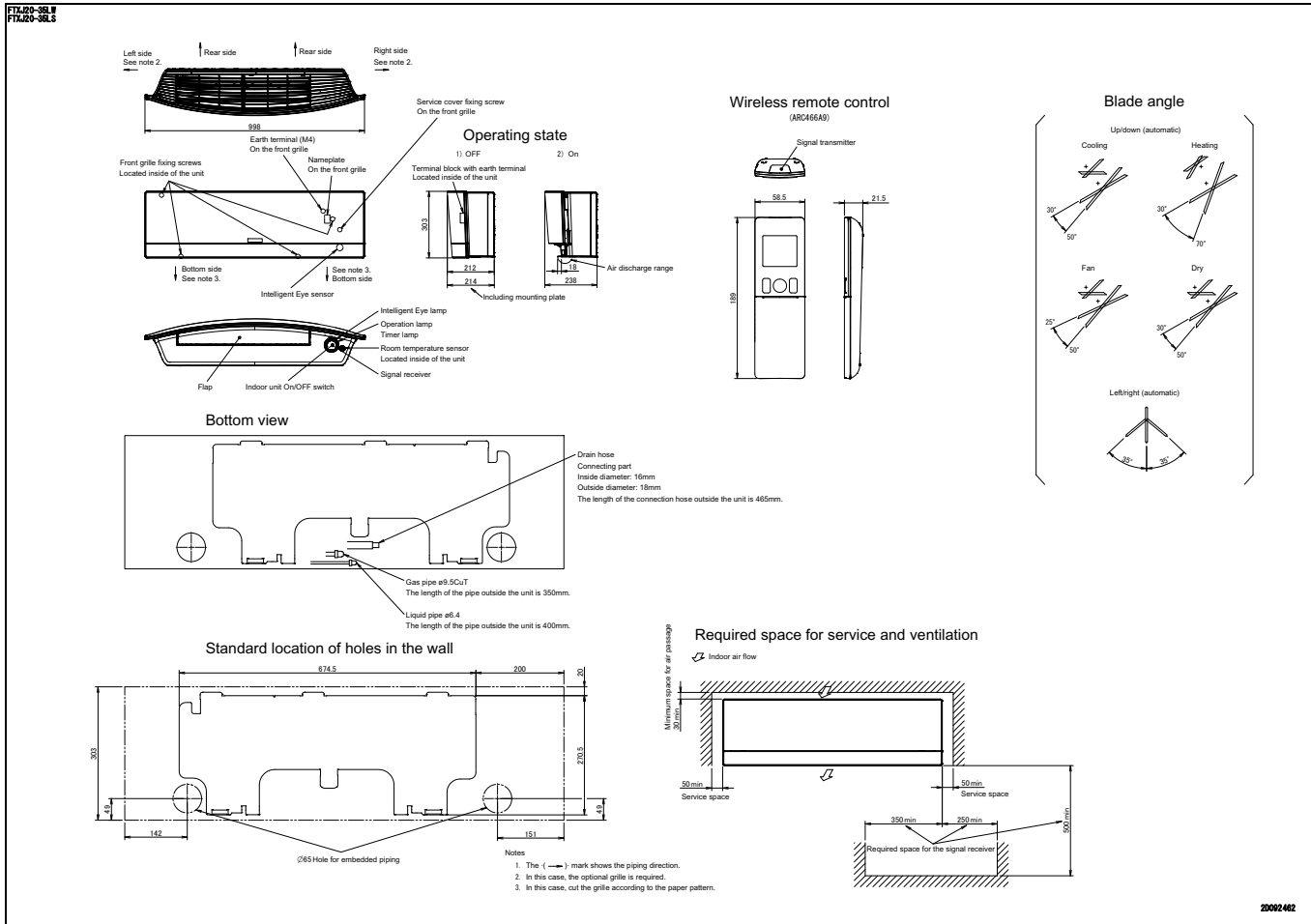
Indoor Units - Control systems

		FTXJ-LW/LS
Wired remote control		BRC344 (3) BRC073 (3)
Cord for wired remote control	3m	BRCW901A03
	8m	BRCW901A08
Wiring adapter normal open contact / normal open pulse contact		KRP413A1S (1)
Centralised control board	Up to 5 rooms	KRC72 (2)
Anti-theft protection for remote control		KFP910A4
Interface adapter for DII-net		KRP928A2S
Online controller		BRP069A41
Modbus gateway		RTD-RA
KNX gateway		KJC-DD

- (1) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
 (2) Wiring adapter is also required for each indoor unit.
 (3) Cord for wired remote control BRCW901A03 or BRCW901A08 required.

4 Dimensional drawings

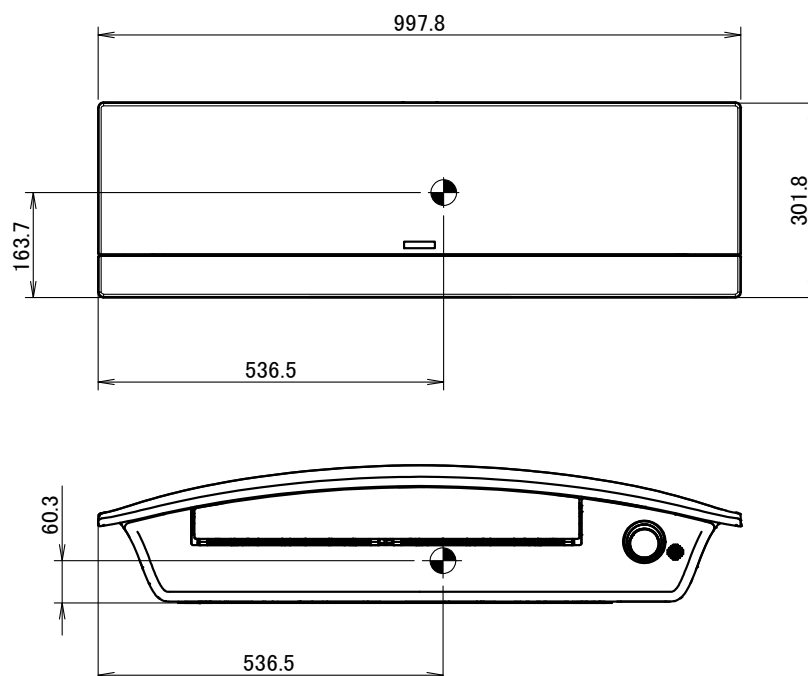
4 - 1 Dimensional Drawings



5 Centre of gravity

5 - 1 Centre of Gravity

FTXJ-LW
FTXJ-LS

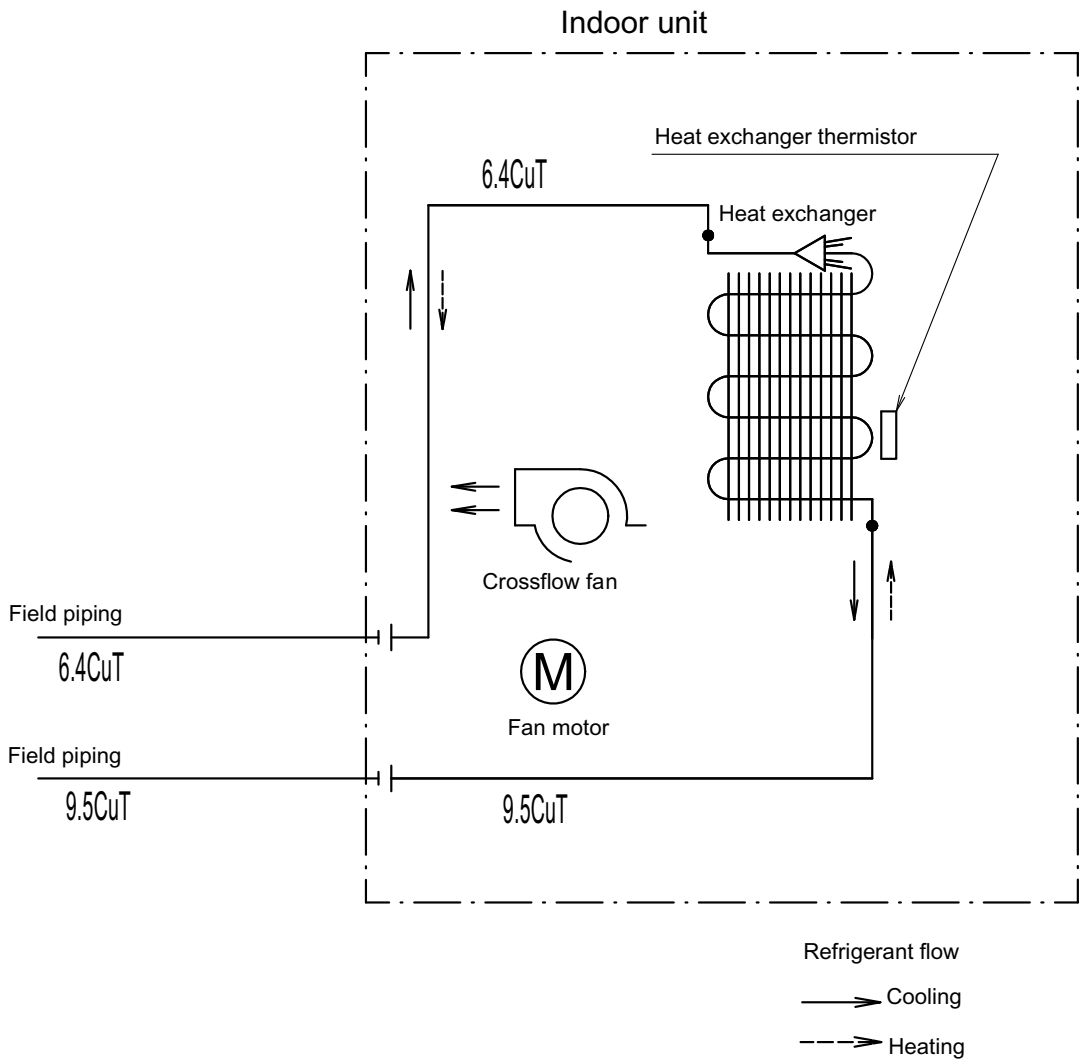


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6 Piping diagrams

6 - 1 Piping Diagrams

FTXJ20-35LW
FTXJ20-35LS



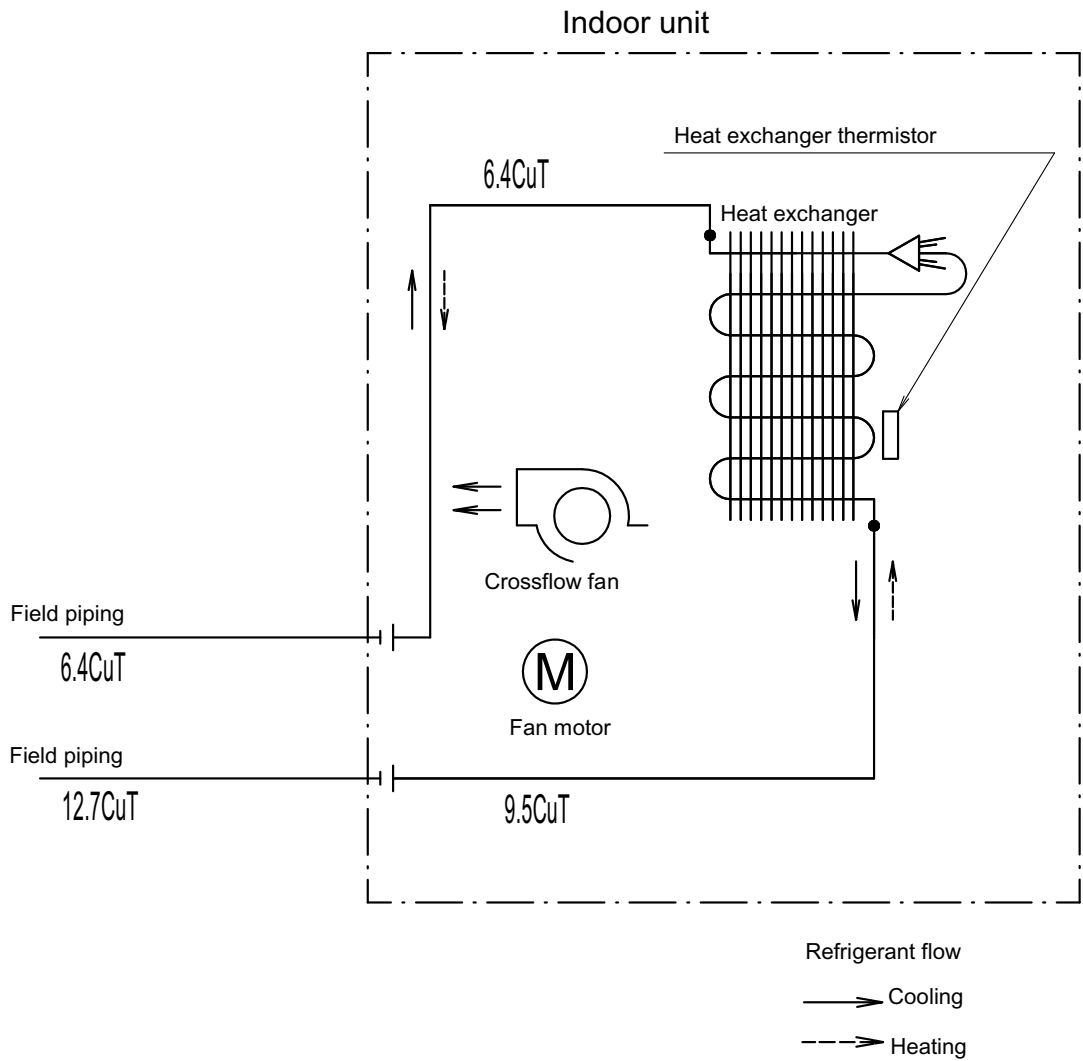
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6 Piping diagrams

6 - 1 Piping Diagrams

6

FTXJ50LW
FTXJ50LS

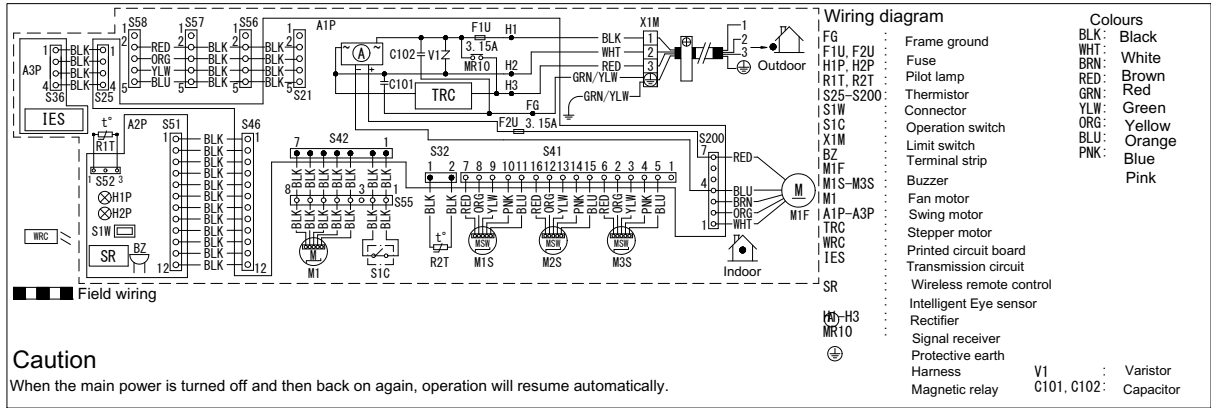


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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXJ-LW
FTXJ-LS



- Notes
1. Size: length 62 X width 210.
 2. Refer to purchasing specification AS303002, unless otherwise specified.

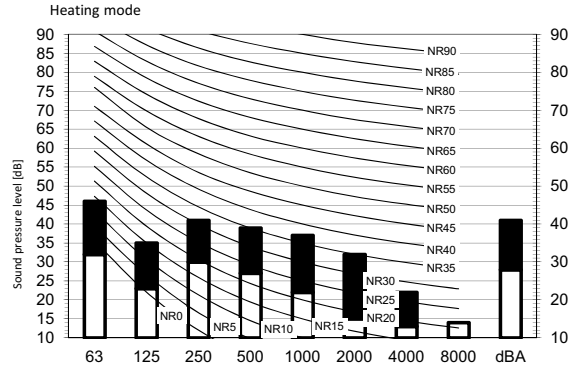
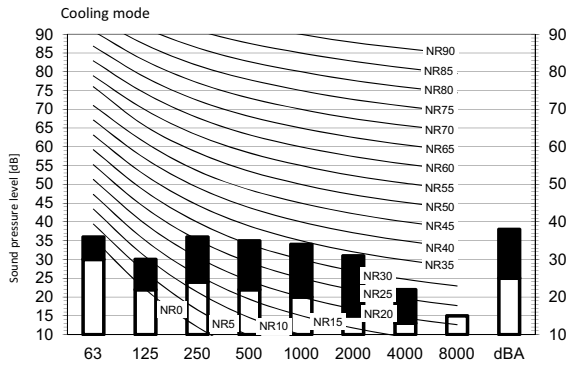
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8 Sound data

8 - 1 Sound Pressure Spectrum

8

FTXJ20LW FTXJ20LS



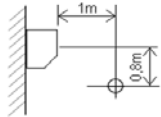
Legend

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

A Scale

B High-tap
C Low-tap

Location of microphone



Octave band centre frequency [Hz]

Octave band centre frequency [Hz]

Cooling		Total dB	
A	B	C	
dBA	38	25	

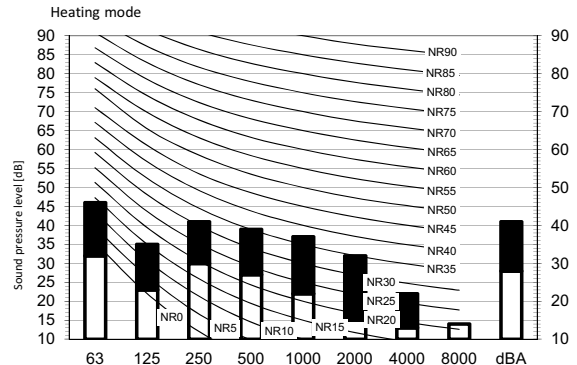
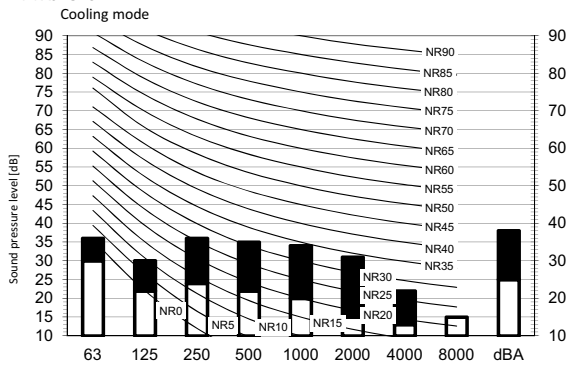
Heating		Total dB	
A	B	B	
dBA	41	28	

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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FTXJ25LW FTXJ25LS



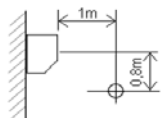
Legend

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

A Scale

B High-tap
C Low-tap

Location of microphone



Octave band centre frequency [Hz]

Octave band centre frequency [Hz]

Cooling		Total dB	
A	B	C	
dBA	38	25	

Heating		Total dB	
A	B	B	
dBA	41	28	

Notes

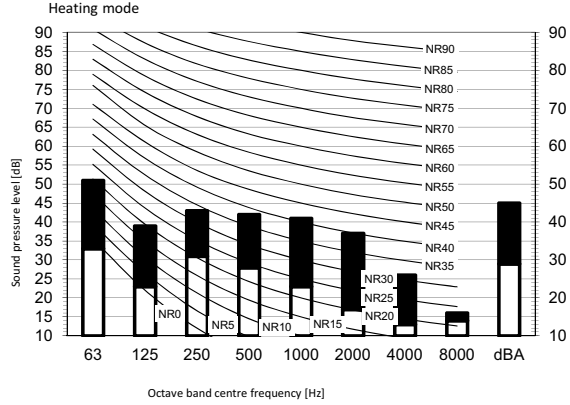
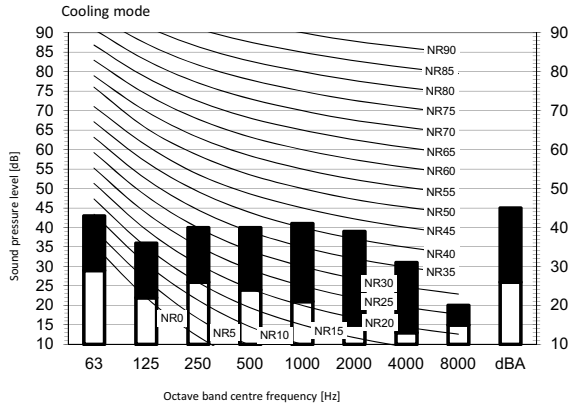
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

3D092361

8 Sound data

8 - 1 Sound Pressure Spectrum

FTXJ35LW FTXJ35LS

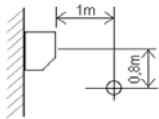


Legend

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

- A Scale
- B High-tap
- C Low-tap

Location of microphone



Cooling		Total dB	
A	B	C	
dBA	45	26	

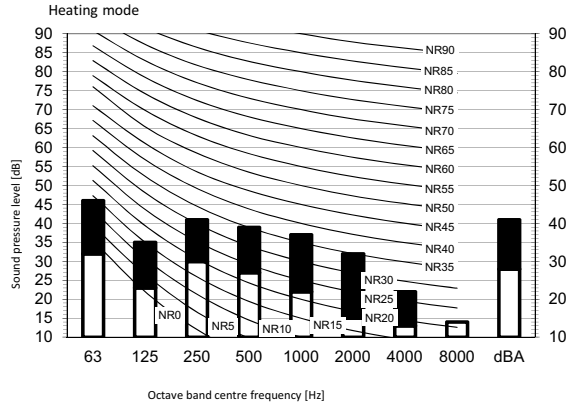
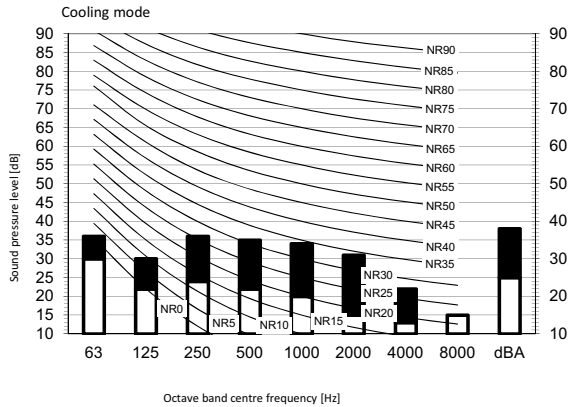
Heating		Total dB	
A	B	B	
dBA	45	29	

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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FTXJ50LW FTXJ50LS

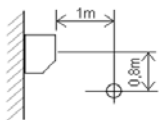


Legend

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

- A Scale
- B High-tap
- C Low-tap

Location of microphone



Cooling		Total dB	
A	B	C	
dBA	46	35	

Heating		Total dB	
A	B	B	
dBA	47	35	

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

3D092360



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