

Air Conditioning
Technical Data
**FTXG-LW,
FTXG-LS**



- > FTXG20LV1BS
- > FTXG25LV1BS
- > FTXG35LV1BS
- > FTXG50LV1BS
- > FTXG20LV1BW
- > FTXG25LV1BW

- > FTXG35LV1BW
- > FTXG50LV1BW

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FTXG-LW, FTXG-LS

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1 Features

1 - 1 FTXG-LW

- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white
- Daikin Emura has been awarded many times, thanks to its excellent design
- Designed to perfectly balance technological leadership and the beauty of aerodynamics
- Online controller: 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	Multi model application	VRV for residential application

1 Features

1 - 2 FTXG-LS

- Remarkable blend of iconic design and engineering excellence with an elegant finish in silver and anthracite
- Daikin Emura has been awarded many times, thanks to its excellent design
- Designed to perfectly balance technological leadership and the beauty of aerodynamics
- Online controller: 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
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2 Specifications

2-1 Technical Specifications					FTXG20LS	FTXG25LS	FTXG35LS	FTXG50LS	FTXG20LW	FTXG25LW	FTXG35LW	FTXG50LW	
Power input	Cooling	Nom.		kW	0.023 (1) / 0.023 (2) / 0.023 (3)		0.033 (1) / 0.033 (2) / 0.033 (3)		0.023 (1) / 0.023 (2) / 0.023 (3)		0.033 (1) / 0.033 (2) / 0.033 (3)		
	Heating	Nom.		kW	0.031 (1) / 0.031 (2) / 0.031 (3)	0.033 (1) / 0.033 (2) / 0.033 (3)	0.042 (1) / 0.042 (2) / 0.042 (3)	0.043 (1) / 0.043 (2) / 0.043 (3)	0.031 (1) / 0.031 (2) / 0.031 (3)	0.033 (1) / 0.033 (2) / 0.033 (3)	0.042 (1) / 0.042 (2) / 0.042 (3)	0.043 (1) / 0.043 (2) / 0.043 (3)	
Casing	Colour				Silver					White			
Dimensions	Unit	Height/Width/ Depth		mm	303/998/212								
	Packed unit	Height/Width/ Depth		mm	322/1,101/389								
Weight	Unit			kg	12								
	Packed unit			kg	16								
Packing	Weight			kg	4								
Heat exchanger	Length			mm	610								
	Rows	Quantity			2								
	Fin pitch			mm	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		
			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	
		Nom.	cfm	234		276	313	234		276	313		
			m³/min	6.6		7.8	8.9	6.6		7.8	8.9		
			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
			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		
		Nom.	cfm	298		303	340	372	298	303	340	372	
			m³/min	8.4		8.6	9.6	10.5	8.4	8.6	9.6	10.5	
Fan motor	Model				KFD-280-40-8G1	KFD-280-40-8G	KFD-280-40-8G1			KFD-280-40-8G	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	
	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		
Output	Rated			W	29								
Sound power level	Cooling			dBA	54		59	60	54		59	60	
	Heating			dBA	56		59	60	56		59	60	
Sound pressure level	Cooling	High/Low/Silent operation		dBA	38/25/19		45/26/20	46/35/25	38/25/19		45/26/20	46/35/25	
	Heating	High/Low/Silent operation		dBA	40/28/19	41/28/19	45/29/20	47/35/25	40/28/19	41/28/19	45/29/20	47/35/25	
Control systems	Infrared remote control				ARC466A1								

2 Specifications

2-1 Technical Specifications			FTXG20LS	FTXG25LS	FTXG35LS	FTXG50LS	FTXG20LW	FTXG25LW	FTXG35LW	FTXG50LW
Refrigerant	Type		R-410A							
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 : Indoor unit fixing screws; Quantity : 2;

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

Standard Accessories : Screw cover; Quantity : 2;

2-2 Electrical Specifications				FTXG20LS	FTXG25LS	FTXG35LS	FTXG50LS	FTXG20LW	FTXG25LW	FTXG35LW	FTXG50LW
Power supply	Name			V1							
	Phase			1~							
	Frequency		Hz	50							
	Voltage		V	220-240							
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.12 (1) / 0.12 (2) / 0.12 (3)		0.16 (1) / 0.16 (2) / 0.16 (3)		0.12 (1) / 0.12 (2) / 0.12 (3)		0.16 (1) / 0.16 (2) / 0.16 (3)	
		Heating	A	0.15 (1) / 0.15 (2) / 0.15 (3)		0.16 (1) / 0.16 (2) / 0.16 (3)		0.21 (1) / 0.21 (2) / 0.21 (3)		0.15 (1) / 0.15 (2) / 0.15 (3)	
Wiring connections - 50Hz	For power supply	Remark		3 for power supply, 4 for interunit wiring (Earth wire included)							

Notes

(1) 220V

(2) 230V

(3) 240V

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

When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

3 Options

3 - 1 Options

3

FTXG-LW/LS

Indoor Units - Control systems

		FTXG-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		KKF910A4
Interface adapter for DIII-net		KRP928A2S
Online controller		BRP069A41
Modbus gateway		RTD-RA
KNX gateway		KUC-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.

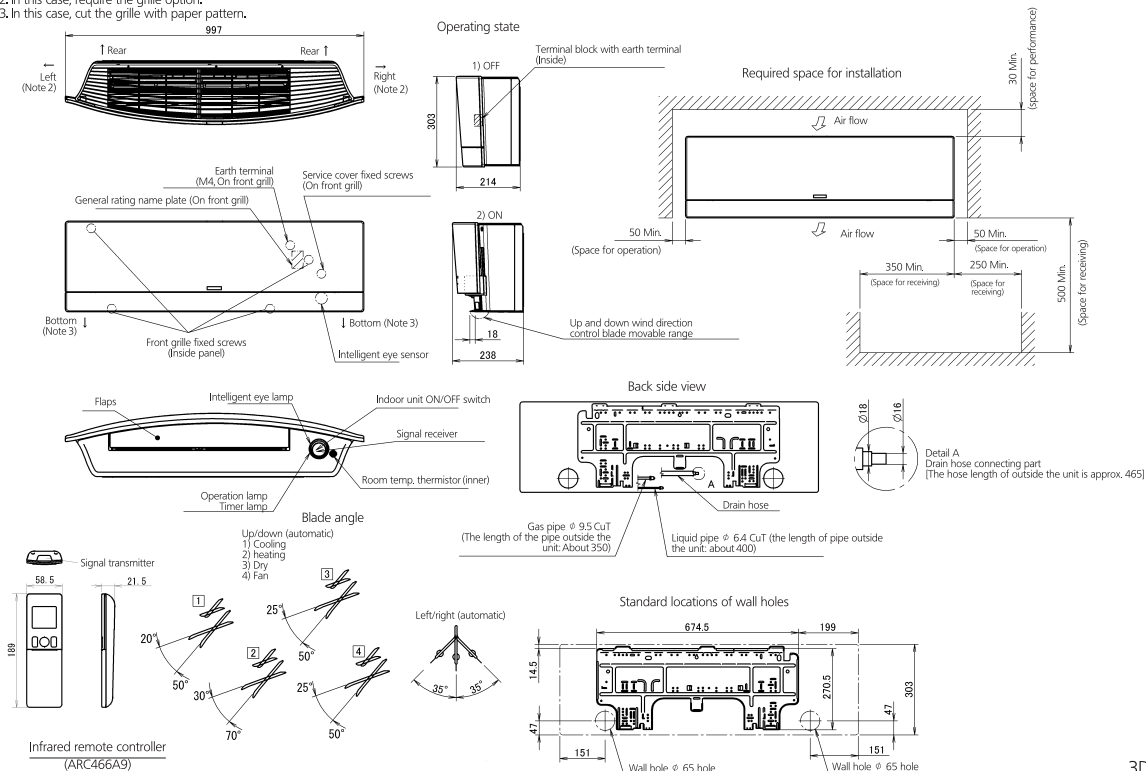
4 Dimensional drawings

4 - 1 Dimensional Drawings

FTXG20-35LW/S

Note)

1. The mark (→) shows piping direction.
2. In this case, require the grille option.
3. In this case, cut the grille with paper pattern.

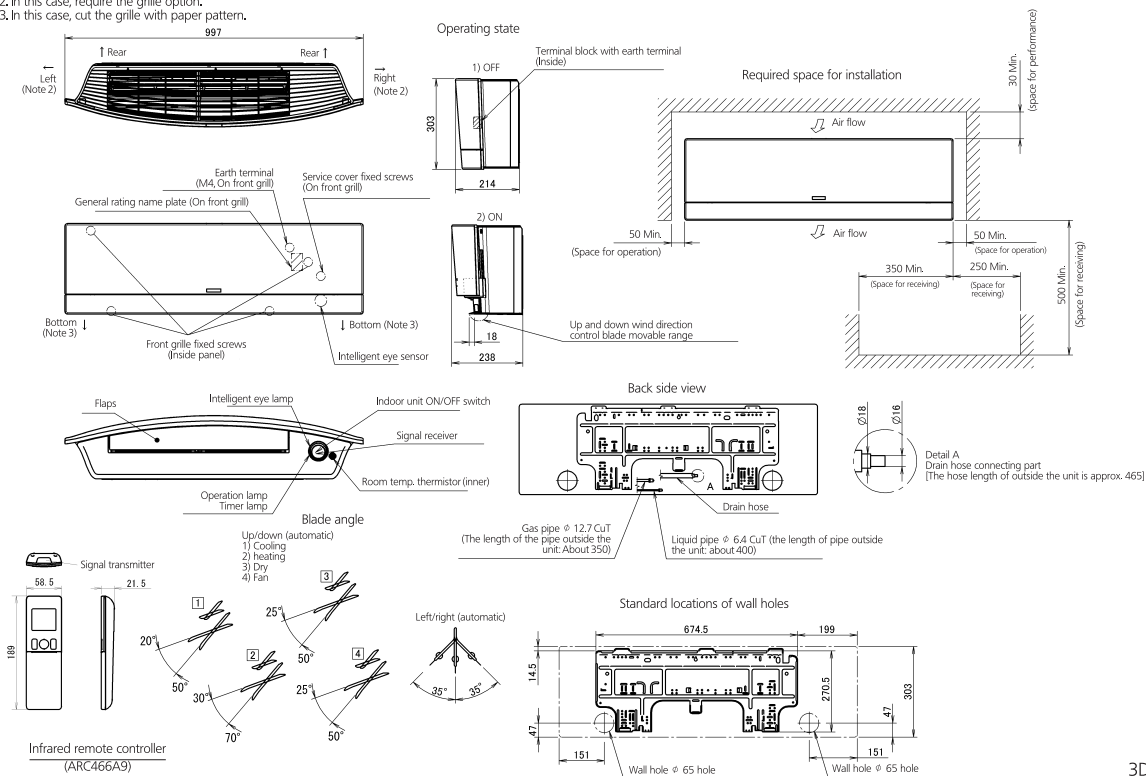


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FTXG50LW/S

Note)

1. The mark (→) shows piping direction.
2. In this case, require the grille option.
3. In this case, cut the grille with paper pattern.

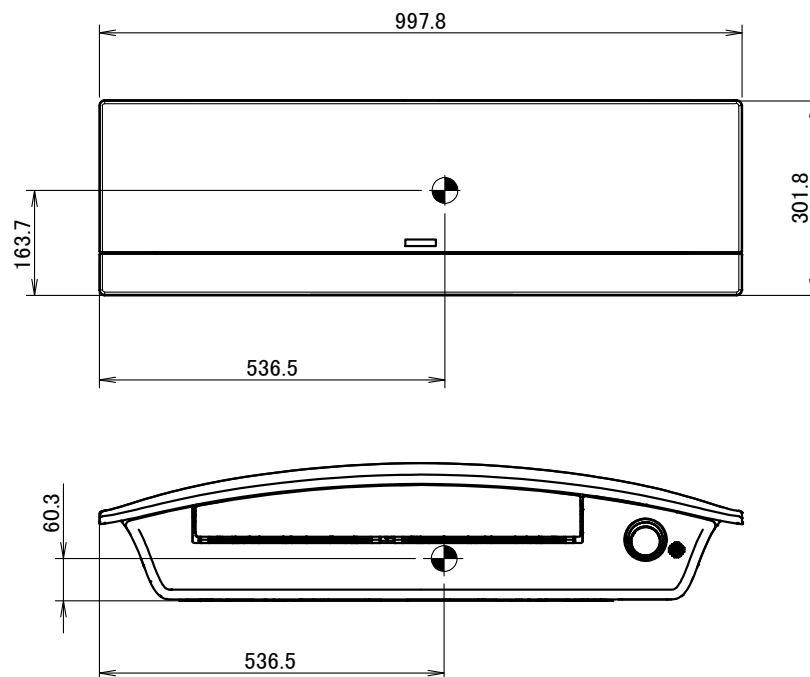


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5 Centre of gravity

5 - 1 Centre of Gravity

FTXG-LW/S

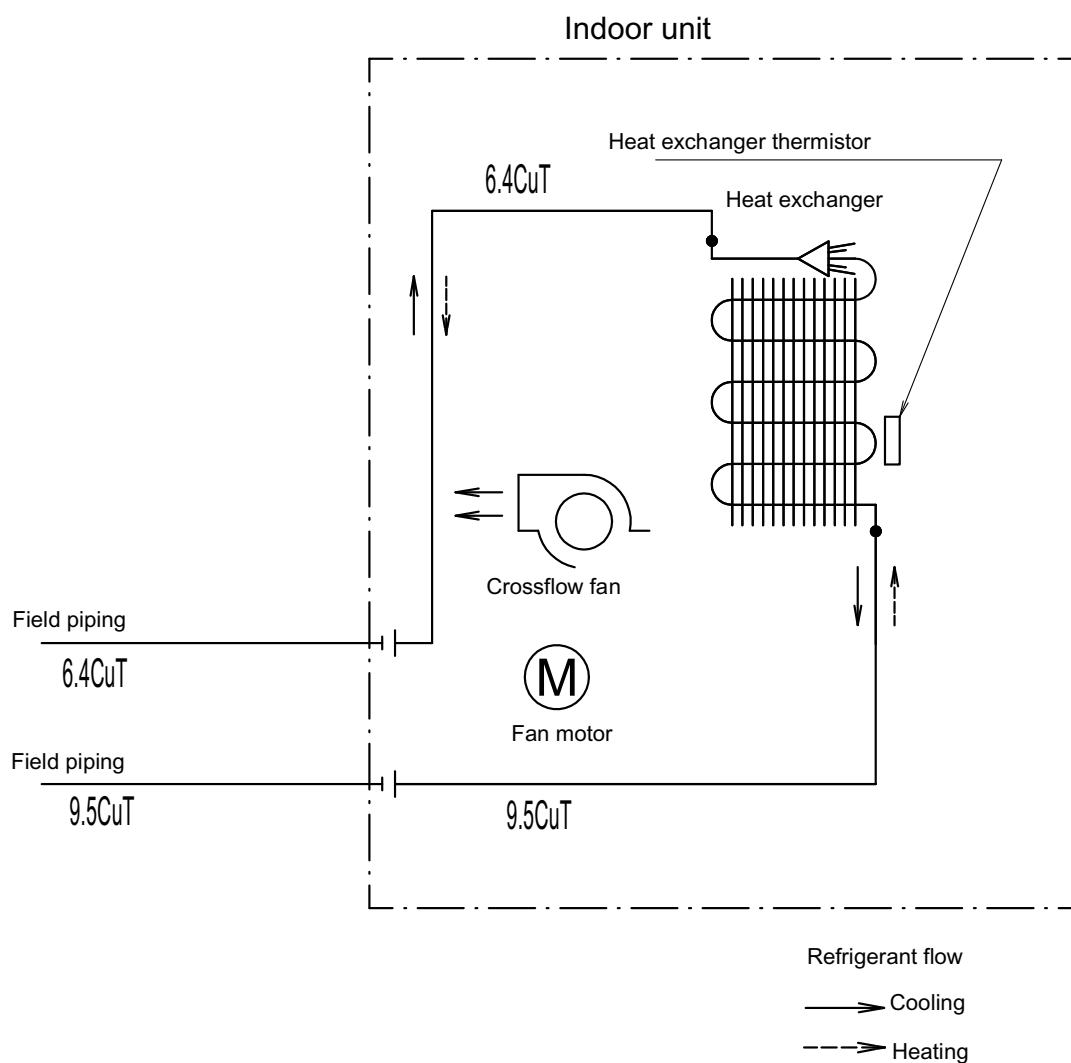


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6 Piping diagrams

6 - 1 Piping Diagrams

FTXG20-35LW / S

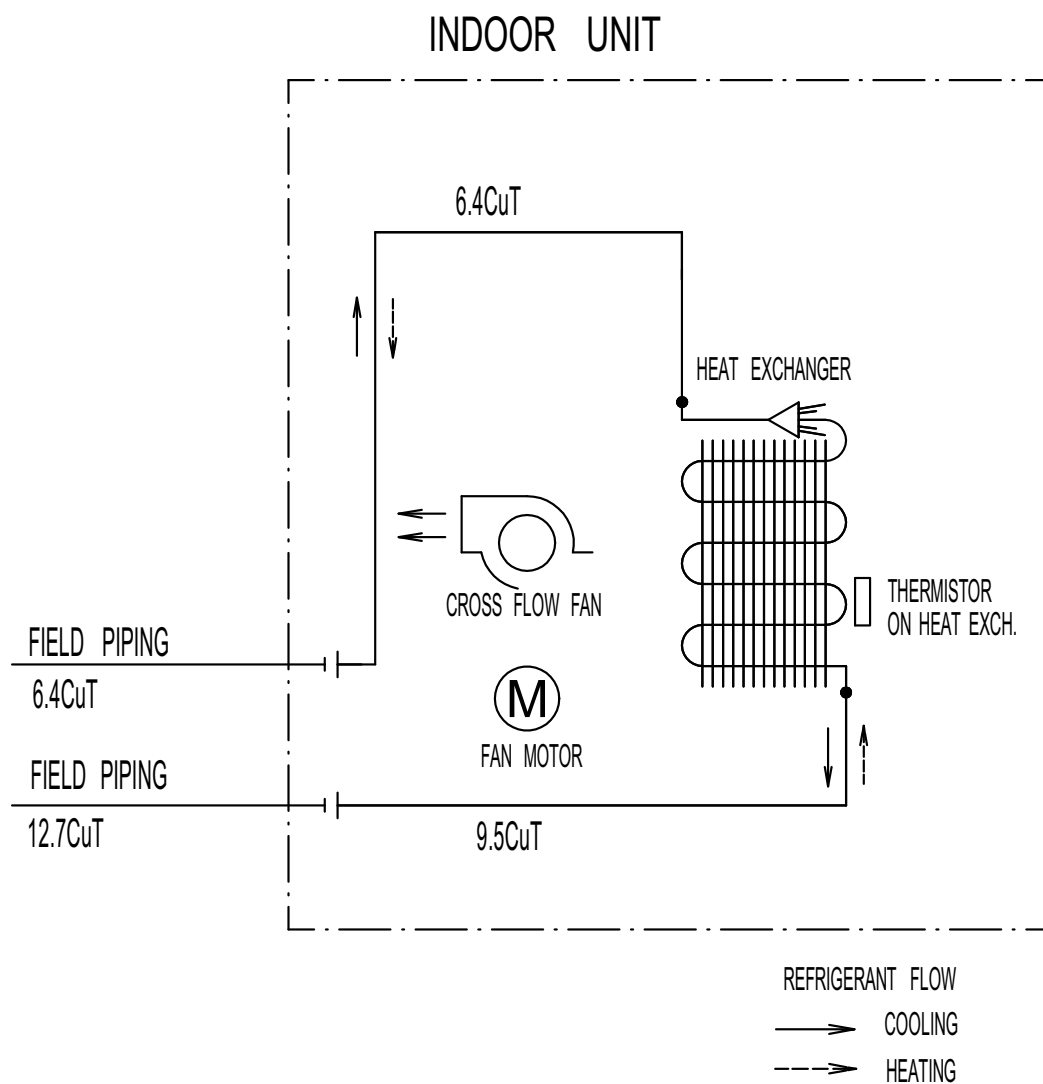


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6 Piping diagrams

6 - 1 Piping Diagrams

FTXG50LW / S

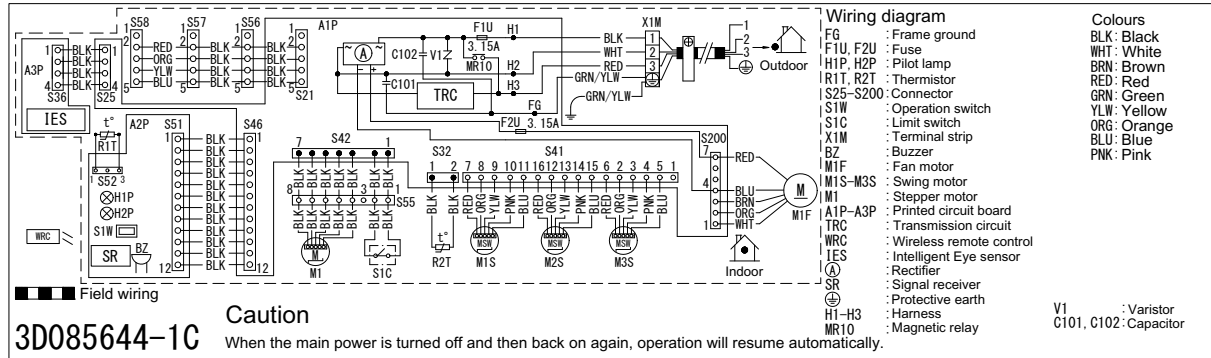


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7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

FTXG-LW / S

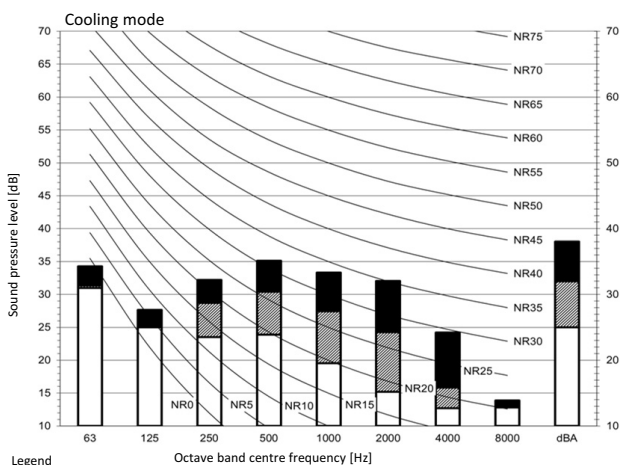


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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXG20LW/S



Legend

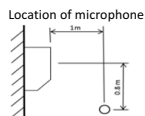
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Medium-tap

Low-tap



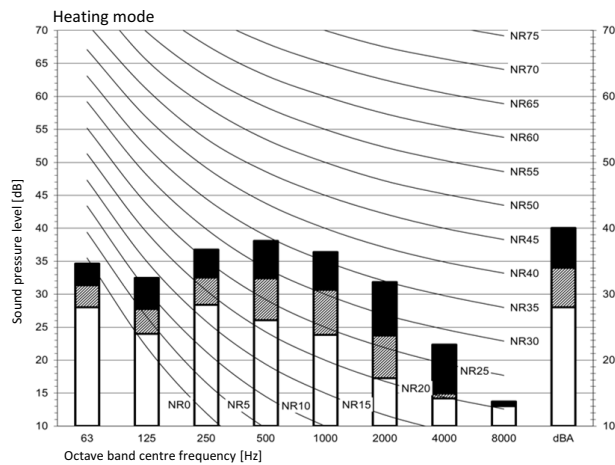
The operation noise measuring method is in accordance with JISC9612.

Measuring location: anechoic chamber

Cooling		
Total dB		
A	B	C
dBA	38	25

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard



Heating		
Total dB		
A	B	C
dBA	40	28

Background noise already taken into account.

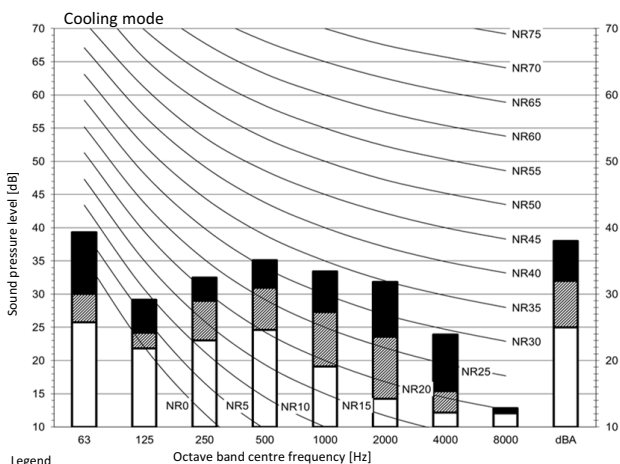
Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

Operating noise varies depending on operation and ambient conditions.

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FTXG25LW/S



Legend

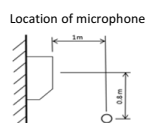
dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B High-tap

C Medium-tap

Low-tap



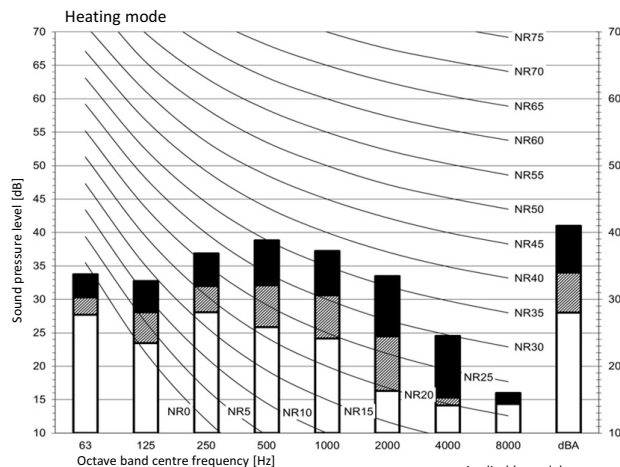
The operation noise measuring method is in accordance with JISC9612.

Measuring location: anechoic chamber

Cooling		
Total dB		
A	B	C
dBA	38	25

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard



Applicable models
FTXG25LV1BW
FTXG25LV1BS

Heating		
Total dB		
A	B	C
dBA	41	28

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

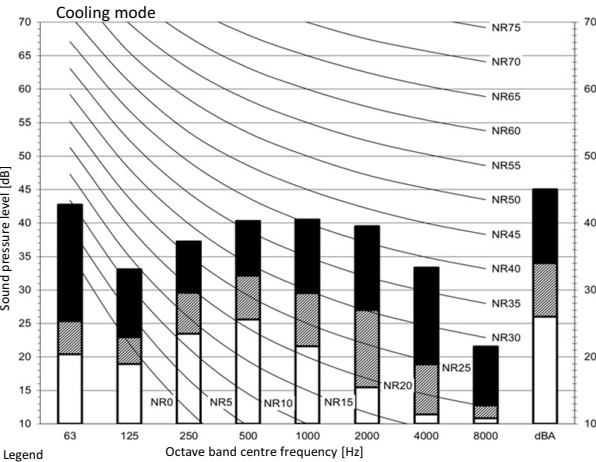
Operating noise varies depending on operation and ambient conditions.

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8 Sound data

8 - 1 Sound Pressure Spectrum

FTXG35LW/S



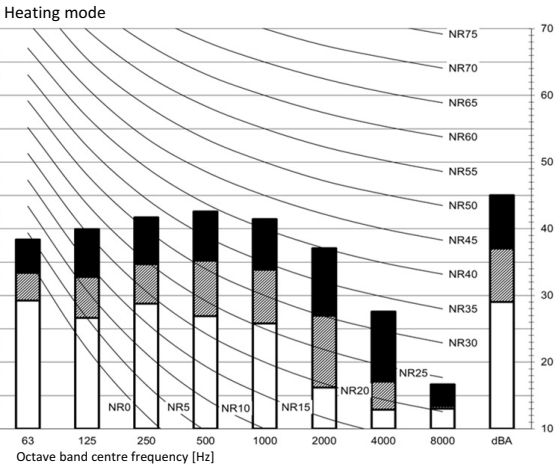
Cooling

Total dB

A	B	C
dBA	45	26

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard



Heating

Total dB

A	B	C
dBA	45	29

Background noise already taken into account.

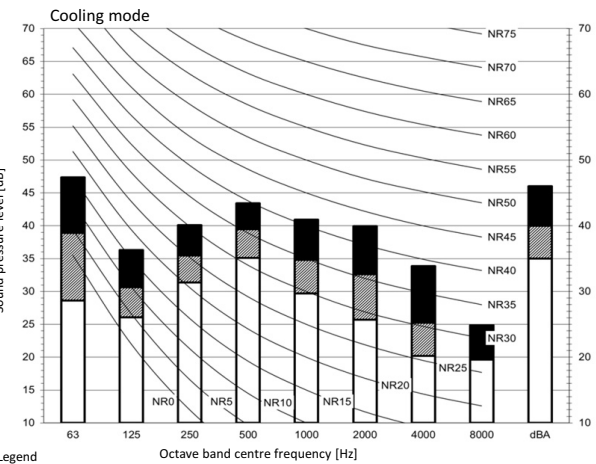
Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

Operating noise varies depending on operation and ambient conditions.

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FTXG50LW/S



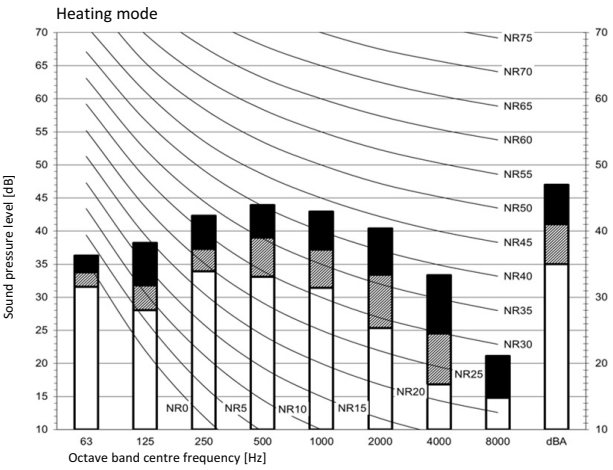
Cooling

Total dB

A	B	C
dBA	46	35

Background noise already taken into account.

Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard



Heating

Total dB

A	B	C
dBA	47	35

Background noise already taken into account.

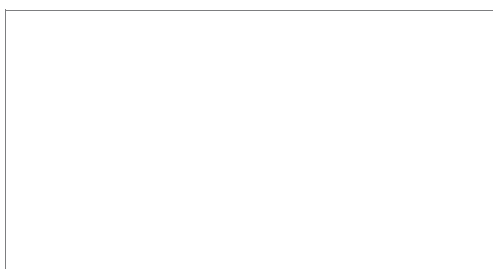
Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

Notes

Operating noise varies depending on operation and ambient conditions.

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XXX-07/16



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