



# Air Conditioning Technical Data

Wall mounted unit



EEDEN14-040

FTXG-JB



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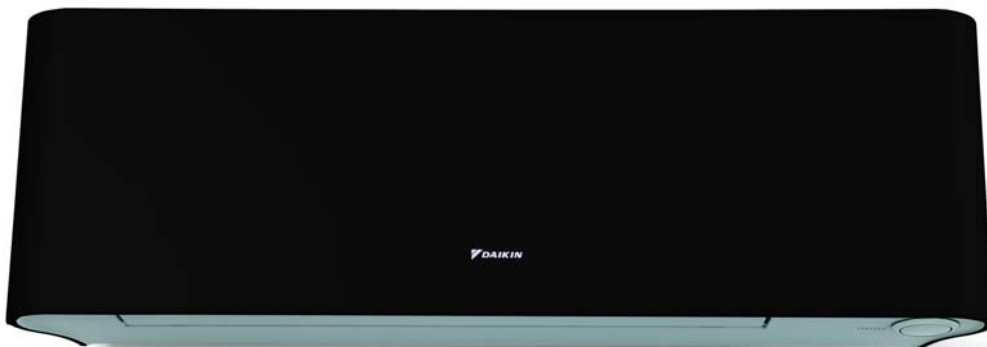
## FTXG-JB
























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# 1 Features

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- Daikin Emura's most obvious asset is its looks. The sober but stylish appearance adds an additional dimension to Daikin's well-known brand values of superior comfort and quality
- Remarkable blend of iconic design and engineering excellence with an elegant finish in black
- Form. Function. Redefined. Daikin Emura represents a perfect marriage of style and substance, of form and function, of intelligent heating and efficient cooling.
- Good design award: unique evaluation criterion for industrial design in Japan
- The infrared remote control is user friendly and equipped with a timer function that enables you to programme the unit to start or stop at your desired time.
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen



								
Econo mode	Movement sensor	Energy saving during standby mode	Night set mode	Fan only	Comfort mode	Powerful mode	Auto cooling-heating changeover	Whisper quiet
								
Indoor unit silent operation	Night quiet mode	Vertical auto swing	Auto fan speed	Fan speed steps	Dry programme	Titanium apatite photocatalytic air purification filter	Weekly timer	24 hour timer
								
Infrared remote control	Auto-restart	Self diagnosis	Multi model application	VRV for residential application				

## 2 Specifications

2-1 Technical Specifications				FTXG25JB	FTXG35JB	FTXG50JB	
Power input	Cooling	Nom.	kW	0.018 / 0.018 / 0.018	0.026 / 0.026 / 0.026	0.032 / 0.032 / 0.032	
	Heating	Nom.	kW	0.024 / 0.024 / 0.024	0.032 / 0.032 / 0.032	0.038 / 0.038 / 0.038	
Casing	Colour			Black matt			
Dimensions	Unit	Height/Width/Depth	mm	295/915/155			
	Packed unit	Height/Width/Depth	mm	377/1,003/285			
Weight	Unit		kg	11			
	Packed unit		kg	15			
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-XD tube			
	Fin	Type		Multi slit fin			
Fan	Type			Cross flow fan			
	Air flow rate	Cooling	High	m³/min	8.8	10.1	10.3
				cfm	311	357	364
			Nom.	m³/min	6.8	7.3	8.5
				cfm	240	258	300
			Low	m³/min	4.7	4.6	6.7
				cfm	166	162	237
		Silent operation	m³/min	3.8	3.9	5.7	
			cfm	134	138	201	
		Heating	High	m³/min	9.6	10.8	11.4
				cfm	339	381	402
			Nom.	m³/min	7.9	8.6	9.8
				cfm	279	304	346
	Low		m³/min	6.2	6.4	8.1	
cfm			219	226	286		
Silent operation	m³/min	5.4	5.6	7.1			
	cfm	191	198	251			
Fan motor	Model			KFD-280-40-8G			
	Speed	Steps		5 + silent, + auto			
		Cooling	High/Medium/Low/Silent operation	rpm	1,440/1,170/900/780	1,640/1,270/910/810	1,710/1,470/1,230/1,100
	Heating			High/Medium/Low/Silent operation	rpm	1,560/1,330/1,110/1,000	1,720/1,430/1,140/1,030
		Output	High		W	29	
Sound power level	Cooling		dBA	56	60		
	Heating		dBA	57	60		
Sound pressure level	Cooling	High/Nom./Low/Silent operation	dBA	38/32/25/22	42/34/26/23	44/40/35/32	
	Heating	Super high/High/Nom./Low/Silent operation	dBA	-/39/34/28/25	-/42/36/29/26	-/44/40/35/32	
Refrigerant	Type			R-410A			

## 2 Specifications

2-1 Technical Specifications			FTXG25JB	FTXG35JB	FTXG50JB
Piping connections	Liquid	OD	6.35		
	Gas	OD	9.52		12.7
	Drain		16 or 18		18
	Heat insulation		Both liquid and gas pipes		
Temperature control	Microcomputer control				
Air direction control	Right, Left, Horizontal, Downward				
Air filter	Type	Removable / washable / mildew proof			

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

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Remote control holder; Quantity : 1;

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

Standard Accessories : Mounting plate; Quantity : 1;

Standard Accessories : Paper pattern; Quantity : 2;

2-2 Electrical Specifications				FTXG25JB	FTXG35JB	FTXG50JB
Power supply	Name			V1		
	Phase			1~		
	Frequency	Hz		50		
	Voltage	V		220-240		
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.09 / 0.08 / 0.08	0.13 / 0.12 / 0.12	0.16 / 0.15 / 0.14
		Heating	A	0.12 / 0.11 / 0.11	0.16 / 0.15 / 0.14	0.19 / 0.18 / 0.17
Wiring connections - 50Hz	For power supply	Remark	3 for power supply, 4 for interunit wiring (Earth wire included)			

### Notes

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

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

(3) 220V

(4) 230V

(5) 240V

# 3 Options

## 3 - 1 Options

### FTXG-JB

#### Indoor Units - Control systems

		FTXG25JB	FTXG35JB	FTXG50JB
Wired remote control (3)			BRC944	
Cord for wired remote control	3m		BRCV901A03	
	8m		BRCV901A08	
Wiring adapter normal open contact / normal open pulse contact			KRP413A15 (1)	
Centralised control board	Up to 5 rooms		KRC72 (2)	
Anti-theft protection for remote control			KKF910A4	
Central remote controller			DCS302C51	
Unified ON/OFF control			DCS301B51	
Schedule timer			DST301B51	
Interface adapter for DIM-net			KRP928A25	
Online controller			KKRP01A	
External mounting kit for online controller			KKRPM01A	
Wifi power cable for online controller			KKRPW01A	
Touch LCD wall controller (4)			KBRC01A	
Simple wall controller (4)			KBRC501A	
KNX gateway			KJC-DD	

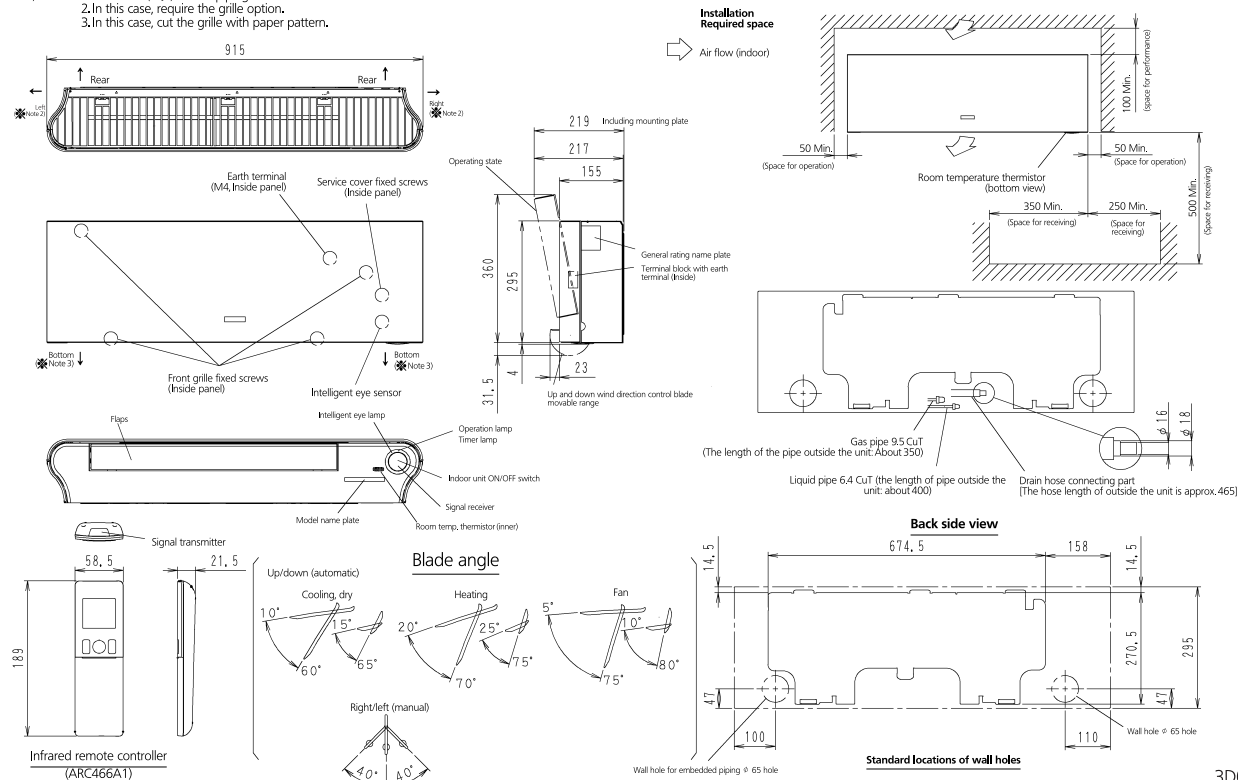
(1) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.  
 (2) Wiring adapter is also required for each indoor unit.  
 (3) Cord for wired remote control BRCV901A03 or BRCV901A08 required.  
 (4) Can only be used in combination with online controller KKRPM01A.

# 4 Dimensional drawings

## 4 - 1 Dimensional Drawings

### FTXG25-35JB

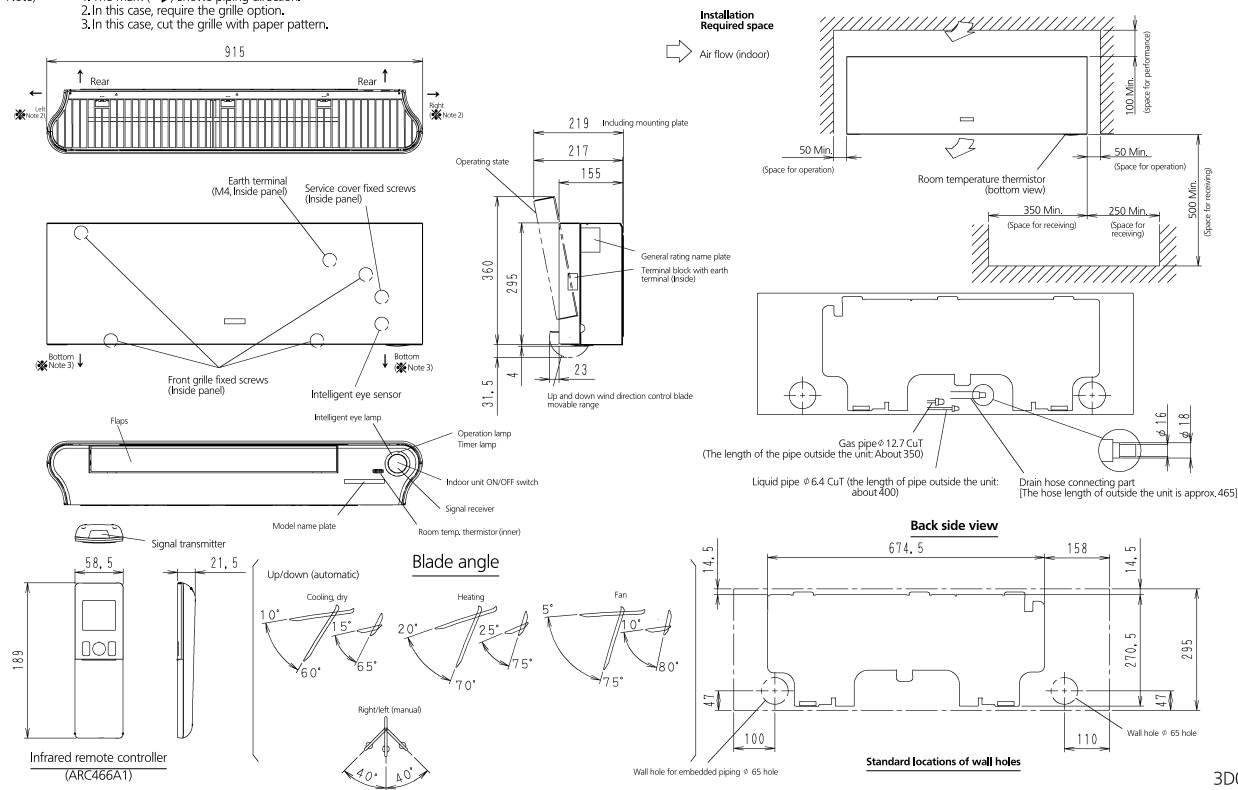
- Note) 1. The mark (→) shows piping direction.  
 2. In this case, require the grille option.  
 3. In this case, cut the grille with paper pattern.



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### FTXG50JB

- 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.



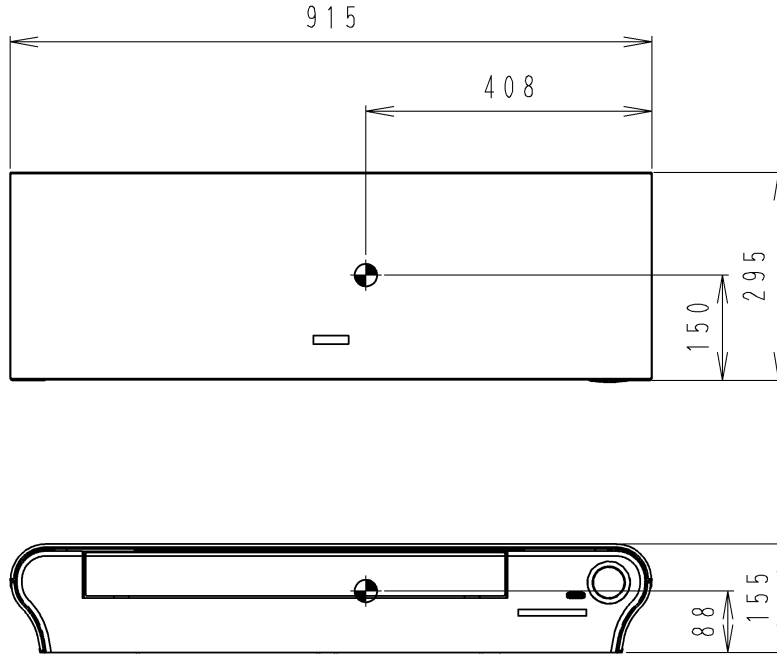
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# 5 Centre of gravity

## 5 - 1 Centre of Gravity

FTXG-JB



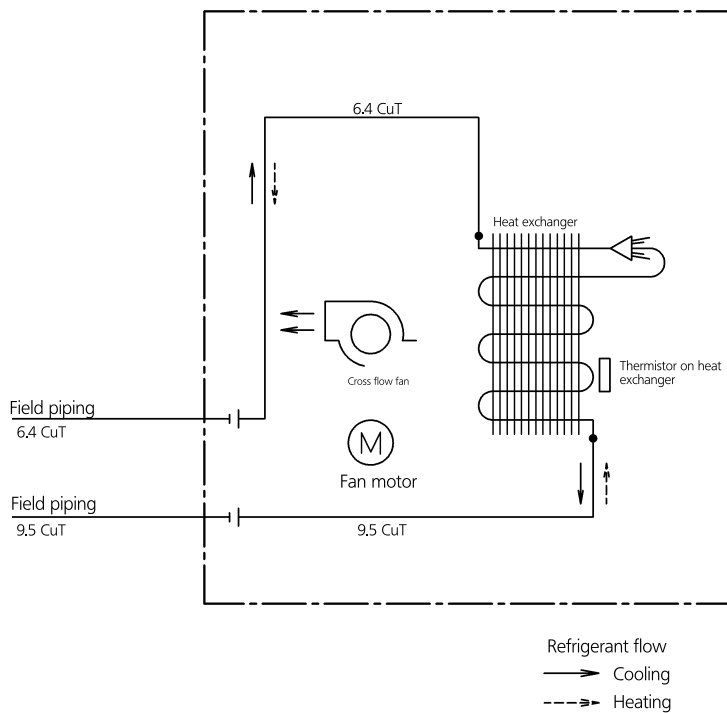
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# 6 Piping diagrams

## 6 - 1 Piping Diagrams

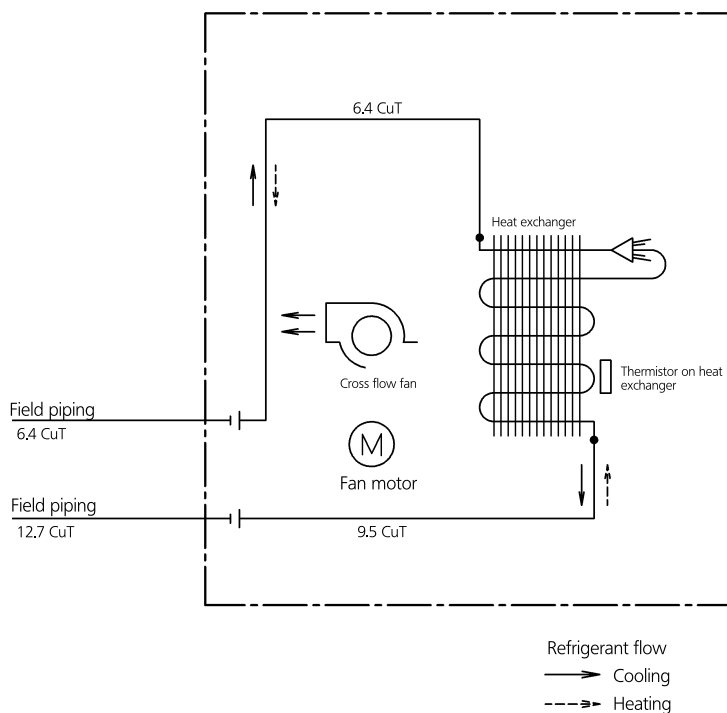
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FTXG25-35JB



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FTXG50JB

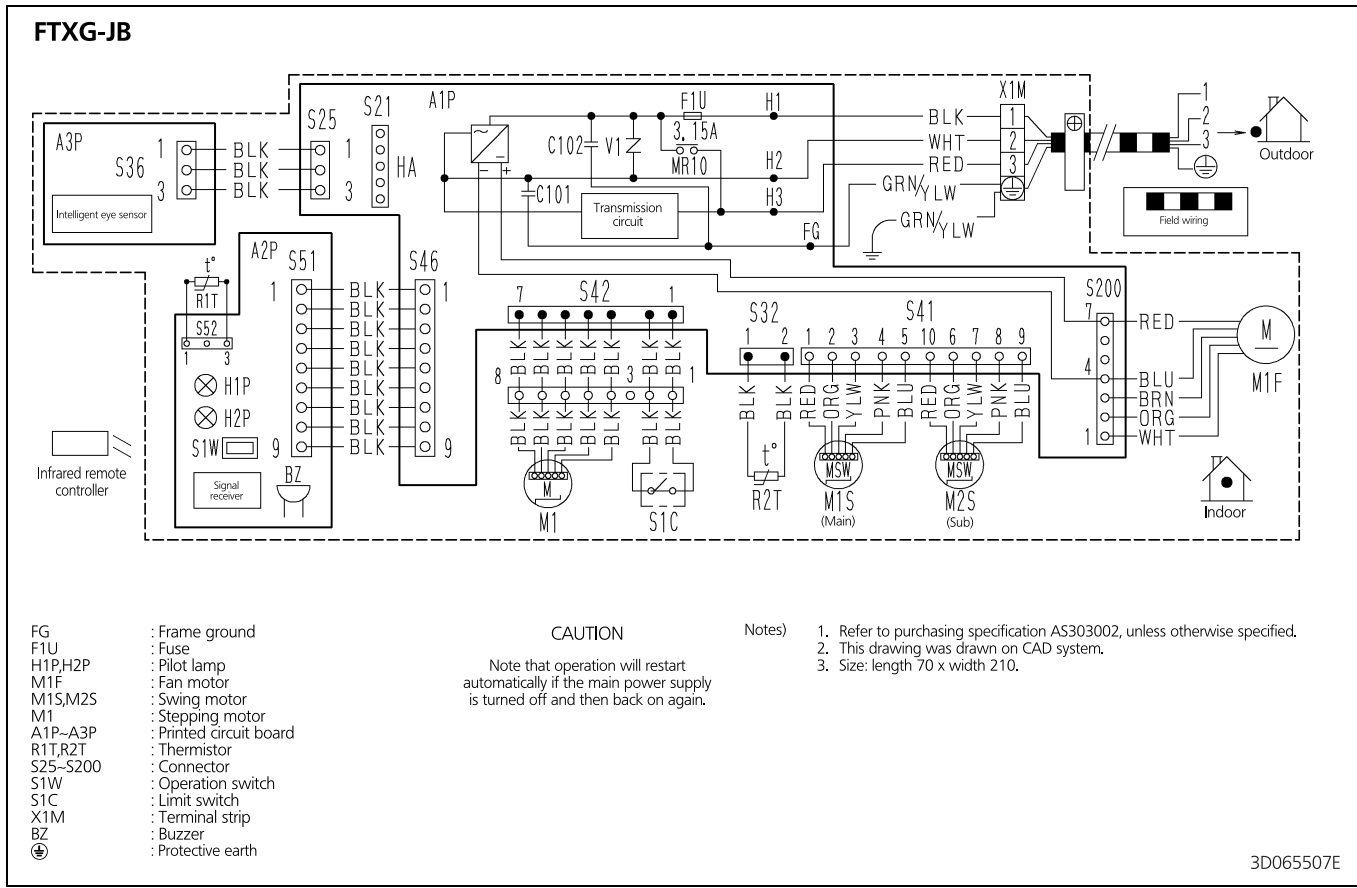


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# 7 Wiring diagrams

## 7 - 1 Wiring Diagrams - Single Phase

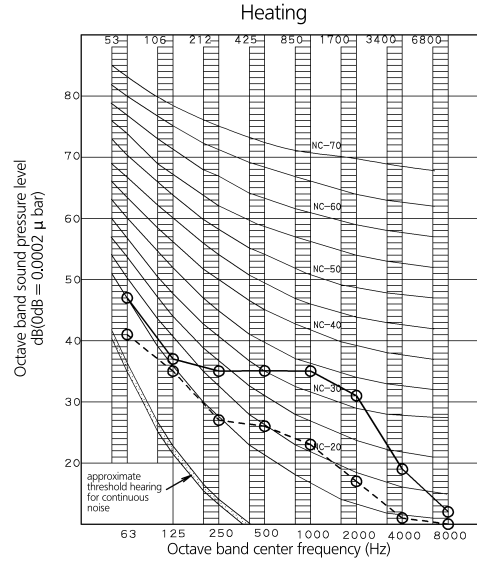
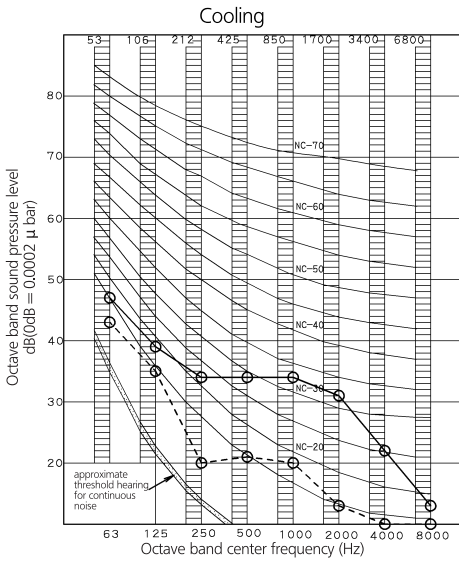


# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

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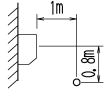
### FTXG25JB



#### NOTES

- Overall (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)

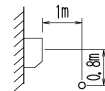
Scale	50Hz 220~240V (H)	50Hz 220~240V (L)
A	38	25



#### NOTES

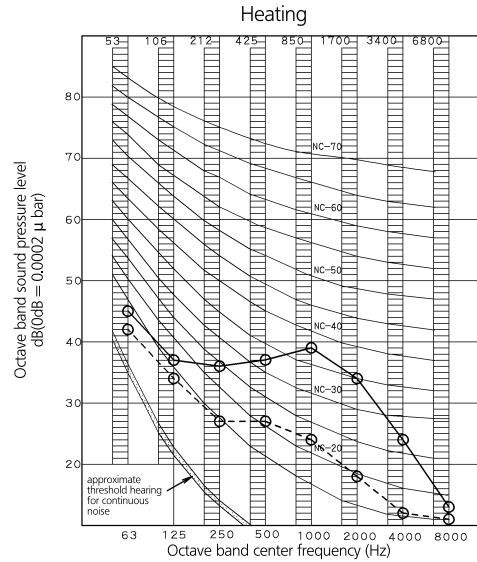
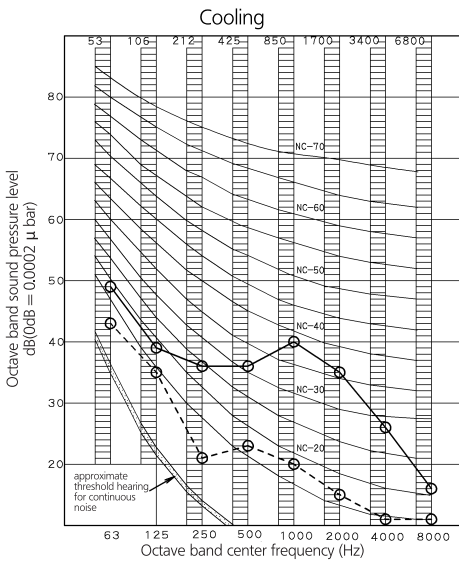
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- Operating conditions: Power source 220~240V 50Hz
- Location of microphone JISC9612  
The operation noise measuring method is in accordance with JISC9612
- Standard external static pressure  
○ 50 Hz 220~240V (H)  
○ 50 Hz 220~240V (L)

Scale	50Hz 220~240V (H)	50Hz 220~240V (L)
A	39	28



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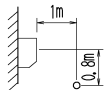
### FTXG35JB



#### NOTES

- Overall (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)

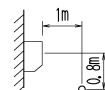
Scale	50Hz 220~240V (H)	50Hz 220~240V (L)
A	42	26



#### NOTES

- Overall (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	29

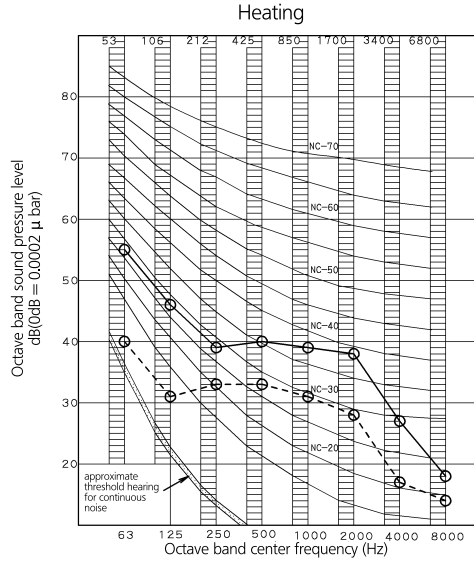
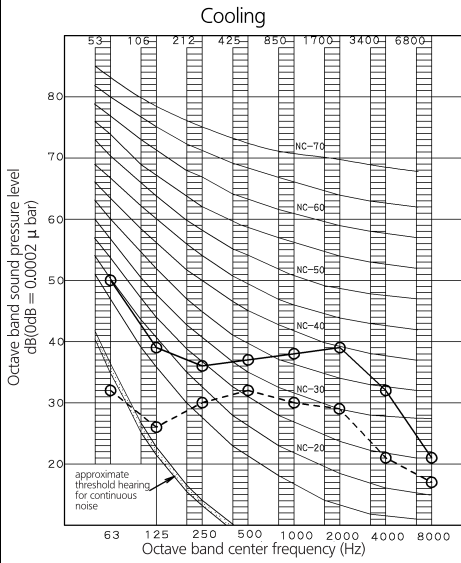


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# 8 Sound data

## 8 - 1 Sound Pressure Spectrum

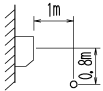
FTXG50JB



**NOTES**

- Overall (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)

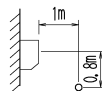
Scale	50Hz 220~240V (H)	50Hz 220~240V (L)
A	44	35



**NOTES**

- Overall (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	44	35



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