



# Air Conditioning Technical Data

Flexi type unit



EEDEN13-100

FLXS-B



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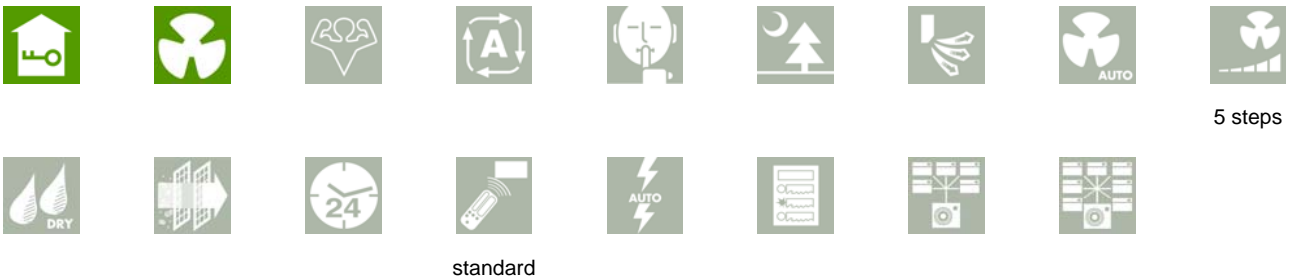
## FLXS-B

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# 1 Features

- Can fit on either ceiling or lower wall; its low height enables the unit to fit beneath a window
- Home leave operation maintains the indoor temperature at your specified comfort level during absence, thus saving energy
- Night set mode saves energy by preventing overcooling or overheating during night time
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Whisper quiet operation: down to 28dBA sound pressure level
- Online controller (optional): control your indoor unit from any location via smartphone, laptop, pc, tablet or touch screen

1



## 2 Specifications

2-1 Technical Specifications				FLXS25B	FLXS35B	FLXS50B	FLXS60B	
Power input - 50Hz	Cooling	Nom.	kW	0.070	0.078	0.096	0.098	
	Heating	Nom.	kW	0.074	0.078	0.096		
Casing	Colour			Almond white				
Dimensions	Unit	Height/Width/Depth		mm				490/1,050/200
	Packed unit	Height/Width/Depth		mm				566/1,100/280
Weight	Unit		kg	16		17		
	Packed unit		kg	22		24		
Heat exchanger	Length		mm	840				
	Rows	Quantity		2		3		
	Fin pitch		mm	1.75		1.5		
	Stages	Quantity		8		10		
	Tube type			ø7 Hi-XA				
	Fin	Type		ML fin (Multi louver)				
Fan	Type			Sirocco fan				
	Quantity			1				
	Air flow rate	Cooling	High	m³/min	7.6	8.6	11.4	12.0
			Nom.	m³/min	7.6	8.6	11.4	10.7
			Low	m³/min	6.0	6.6	8.5	9.3
			Silent operation	m³/min	5.2	5.6	7.5	8.3
	Heating	High	m³/min	9.2	9.8	12.1	12.8	
		Nom.	m³/min	8.3	8.9	9.8	10.6	
		Low	m³/min	7.4	8.0	7.5	8.4	
Silent operation		m³/min	6.6	7.2	6.8	7.5		
Fan motor	Quantity			1				
	Model			KFP-220-34-4A				
	Speed	Steps		5 + silent, + auto				
		Cooling	High/Medium/Low/ Silent operation	rpm	820/740/660/580	920/820/720/620	1,380/1,240/1,100/1,000	
	Heating	High/Medium/Low/ Silent operation	rpm	880/790/700/620	940/850/760/680	1,320/1,130/940/860		
Output	High		W	34				
Sound power level	Cooling	High/Nom.		dBA	53/51	54/53	63/60	64/-
	Heating	High		dBA	53	55	62	63
Sound pressure level	Cooling	High/Nom./Low/Silent operation		dBA	37/34/31/28	38/35/32/29	47/43/39/36	48/45/41/39
	Heating	Super high/High/Nom./Low/Silent operation		dBA	-/37/34/31/29	-/39/36/33/30	-/46/41/35/33	-/47/42/37/34
Refrigerant	Type			R-410A				
Piping connections	Liquid	OD		6.35				
	Gas	OD		9.52		12.7		
	Drain			18				
	Heat insulation			Both liquid and gas pipes				
Temperature control				Microcomputer control				
Air direction control				Left, right, up and downwards				
Air filter	Type			Removable / washable / mildew proof				

Standard Accessories : Photocatalytic deodorizing filter; Quantity : 1;

Standard Accessories : Binding band; Quantity : 4;

Standard Accessories : Side cover; Quantity : 2;

Standard Accessories : Heat insulation tube (refrigerant pipe); Quantity : 1;

Standard Accessories : Mounting plate; Quantity : 1;

Standard Accessories : Air purification filter; Quantity : 1;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Infrared remote control; Quantity : 1;

Standard Accessories : Installation and operation manual; Quantity : 1;

Standard Accessories : Extension auxiliary pipe; Quantity : 2;

## 2 Specifications

2-2 Electrical Specifications				FLXS25B	FLXS35B	FLXS50B	FLXS60B
Power supply	Name			VM			
	Phase			1~			
	Frequency	Hz		50/60			
	Voltage	V		220-240/220-230			
Voltage range	Min.	%		-10			
	Max.	%		10			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.33 (1) / 0.32 (2) / 0.31 (3)	0.38 (1) / 0.36 (2) / 0.35 (3)	0.48 (1) / 0.45 (2) / 0.43 (3)	0.47 (2)
		Heating	A	0.36 (1) / 0.34 (2) / 0.33 (3)	0.38 (1) / 0.36 (2) / 0.35 (3)	0.47 (1) / 0.45 (2) / 0.44 (3)	0.45 (2)
Wiring connections - 50Hz	For power supply	Quantity		3			
		Remark		4 for interunit wiring (earth wire included)			
Power supply intake				Outdoor unit only			

### Notes

(1) 220V

(2) 230V

(3) 240V

(4) Sound values are measured in an anechoic room.

(5) Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to the sound level drawings.

(6) The sound power level is an absolute value indicating the power which a sound source generates.

### 3 Options

#### 3 - 1 Options

##### FLXS-B

##### Indoor Units - Control systems

	FLXS25B	FLXS35B	FLXS50B	FLXS60B
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			KKP917A4A	
Central remote controller			DCS302C51	
Unified ON/OFF control			DCS301B51	
Schedule timer			DST301B51	
Interface adapter for DIII-net			KRP928A2S	
Online controller			KKRP01A	
External mounting kit for online controller			KKRPM01A	
Wifi power cable for online controller			KKRPM01A	
Touch LCD wall controller (3)			KBRC01A	
Simple wall controller (3)			KBRC01A	
KNX gateway			KLC-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) Can only be used in combination with online controller KKRPM01A.

##### Indoor Units

	FLXS25B	FLXS35B	FLXS50B	FLXS60B
Photocatalytic deodorising filter, with frame			KA2917B41	
Photocatalytic deodorising filter, without frame			KA2917B42	
Air purification filter with frame			KAF925B41	

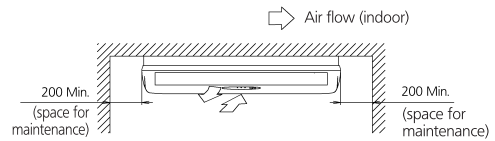
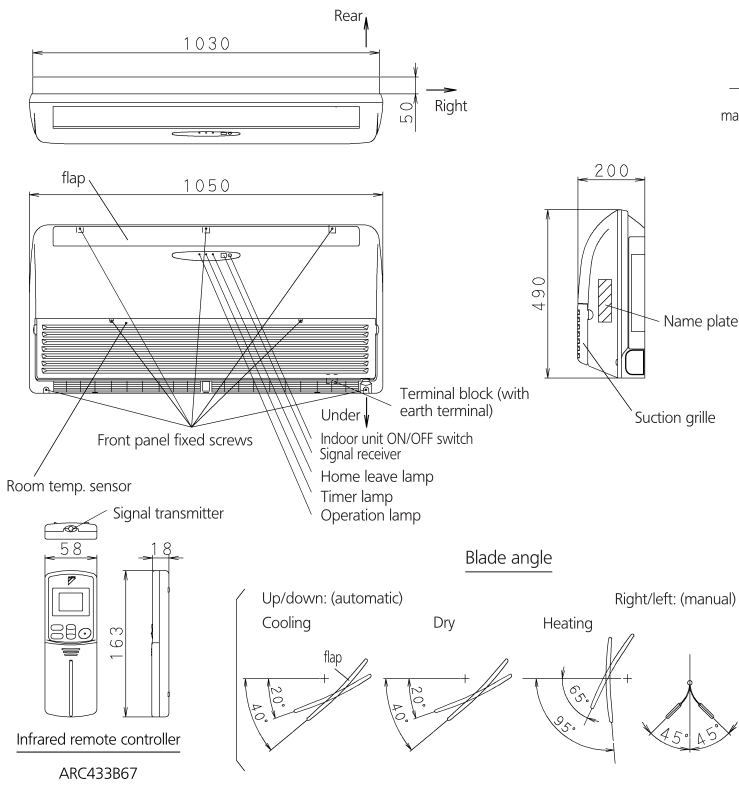
# 4 Dimensional drawings

## 4 - 1 Dimensional Drawings Ceiling Mounted Installation

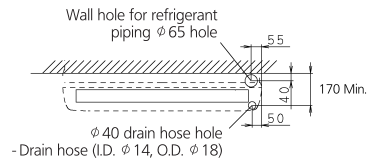
### FLXS25-35B

**Ceiling suspended installation**  
The mark (→) shows piping direction

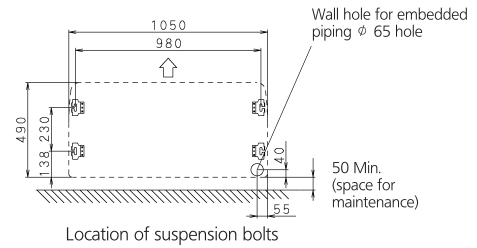
Required space (Ceiling suspended)  
(for performance and maintenance)



- Liquid pipe (6.4CuT)
- Gas pipe (φ9.5 CuT)



Standard locations of wall holes



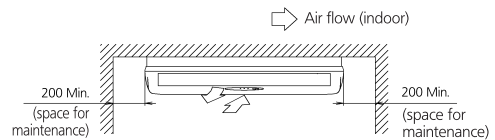
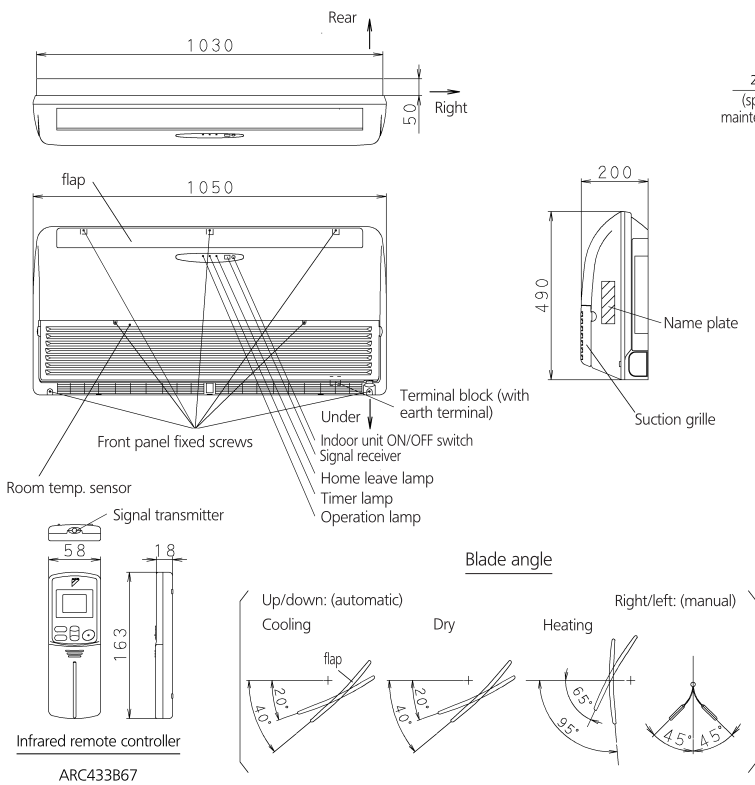
Location of suspension bolts

3D033694F

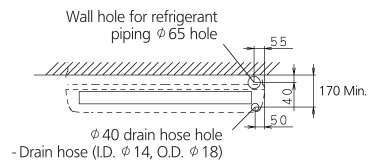
### FLXS50-60B

**Ceiling suspended installation**  
The mark (→) shows piping direction

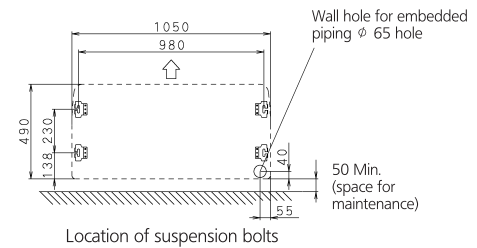
Required space (Ceiling suspended)  
(for performance and maintenance)



- Liquid pipe (φ6.4CuT)
- Gas pipe (φ12.7 CuT)



Standard locations of wall holes



Location of suspension bolts

3D050610B



# 4 Dimensional drawings

## 4 - 2 Dimensional Drawings Floor Mounted Installation

**FLXS25-35B**  
**Floor level installation**  
 The mark (→) shows piping direction

Required space (for performance and maintenance)

• Liquid pipe (φ 6.4 CuT)  
 • Gas pipe (φ 9.5 CuT)  
 • Drain hose (I.D. φ 14, O.D. φ 18)

Standard locations of wall holes

3D033695G

**FLXS50-60B**  
**Floor level installation**  
 The mark (→) shows piping direction

Required space (for performance and maintenance)

• Liquid pipe (φ 6.4 CuT)  
 • Gas pipe (φ 12.7 CuT)  
 • Drain hose (I.D. φ 14, O.D. φ 18)

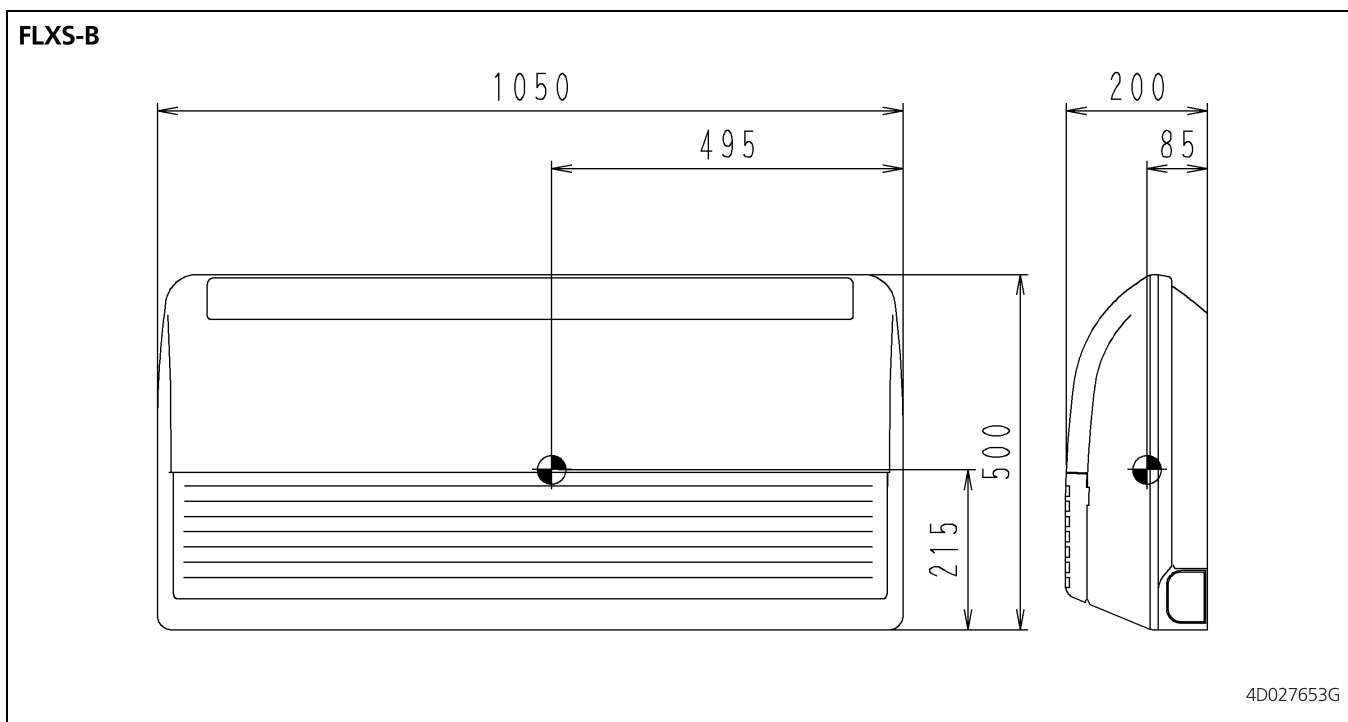
Standard locations of wall holes

3D050615B

## 5 Centre of gravity

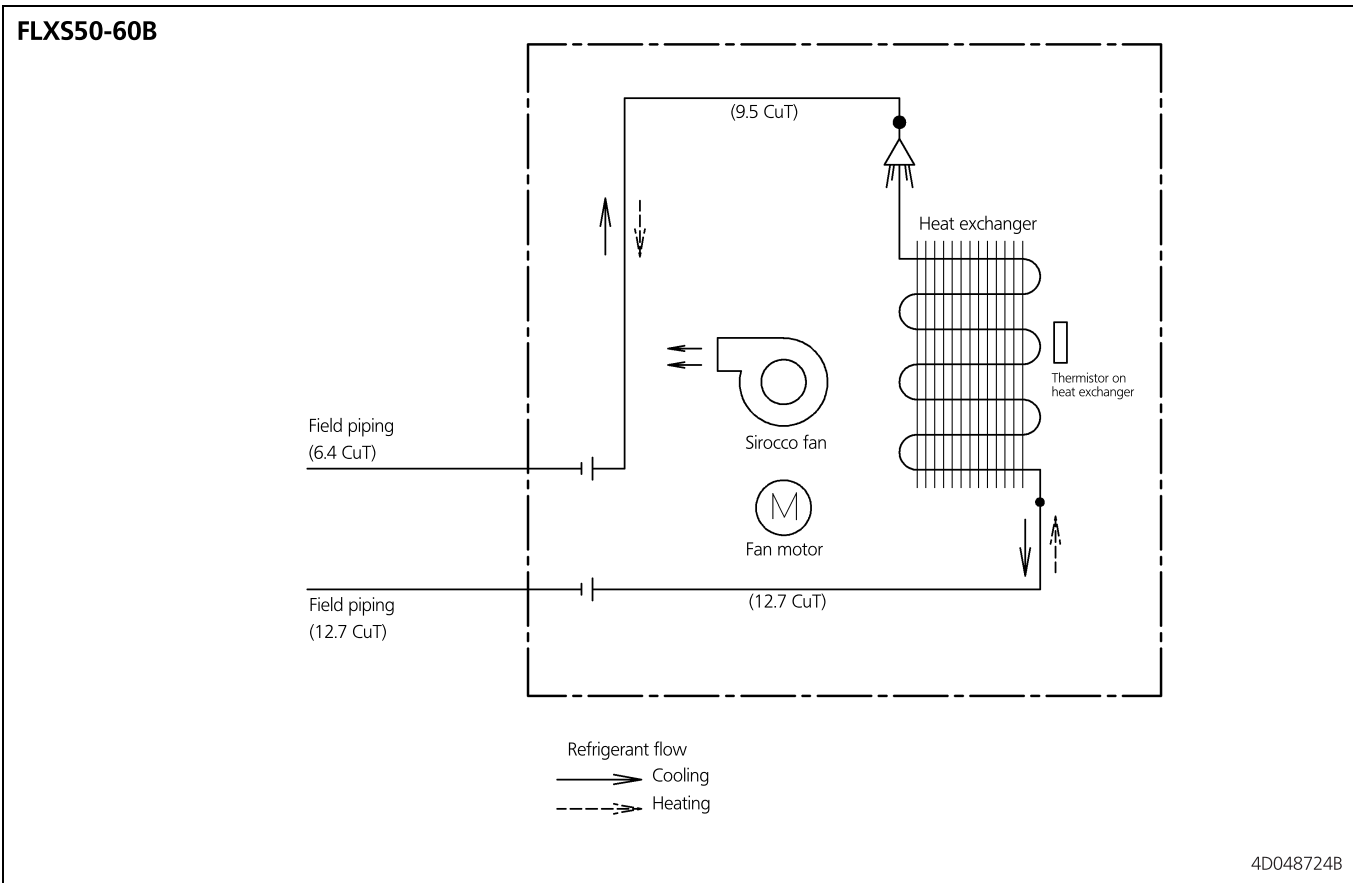
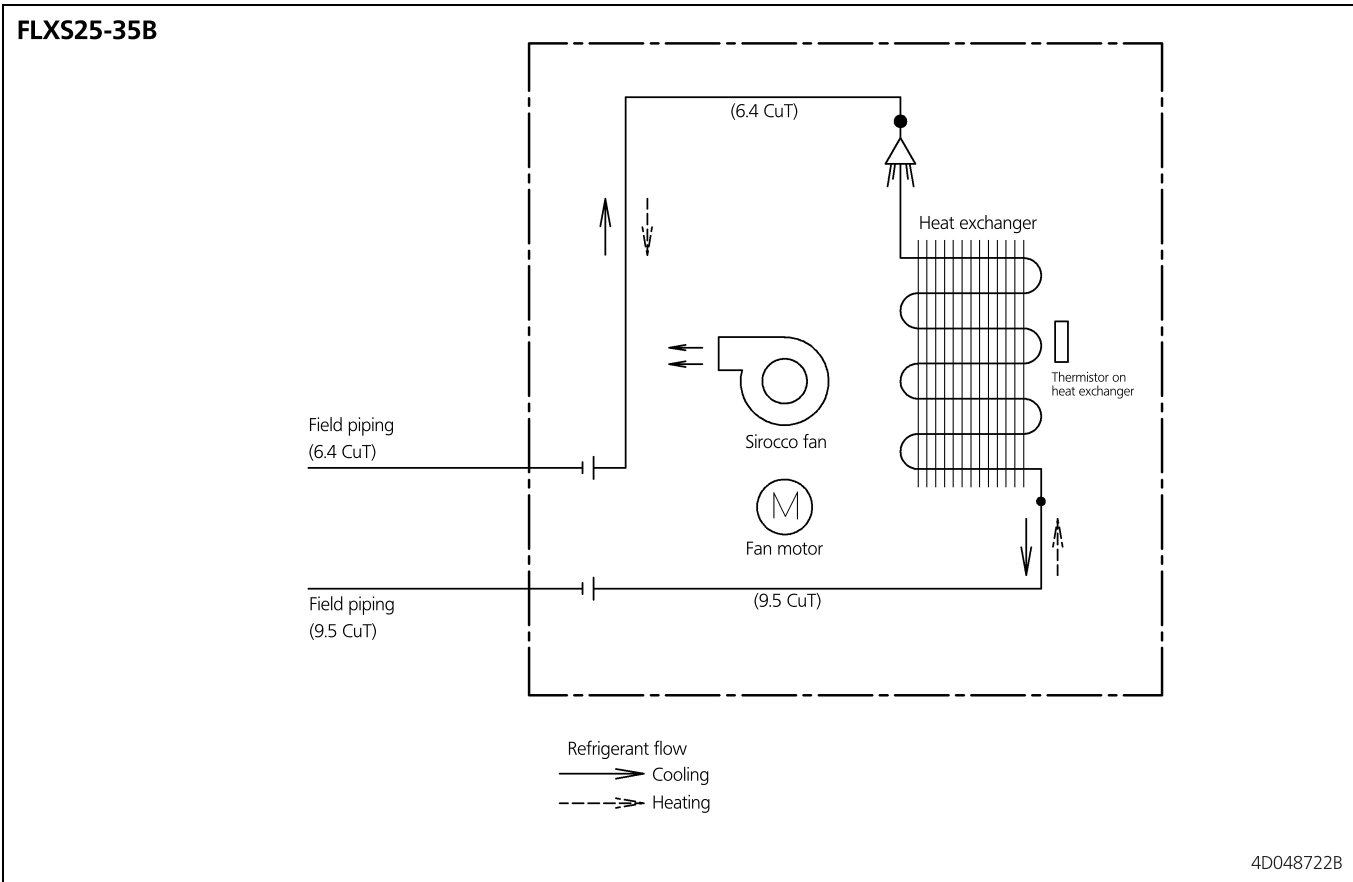
### 5 - 1 Centre of Gravity

5



# 6 Piping diagrams

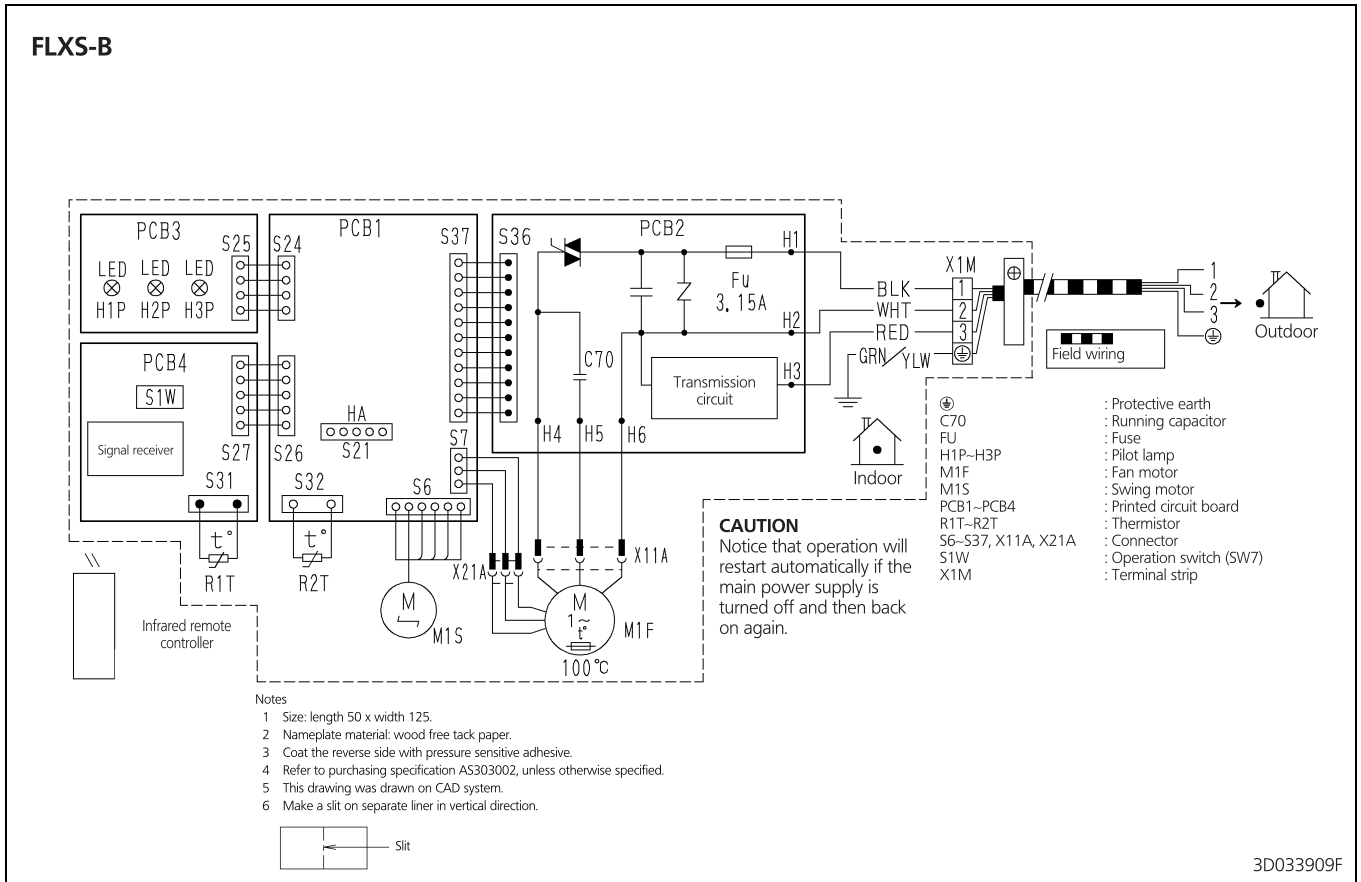
## 6 - 1 Piping Diagrams



## 7 Wiring diagrams

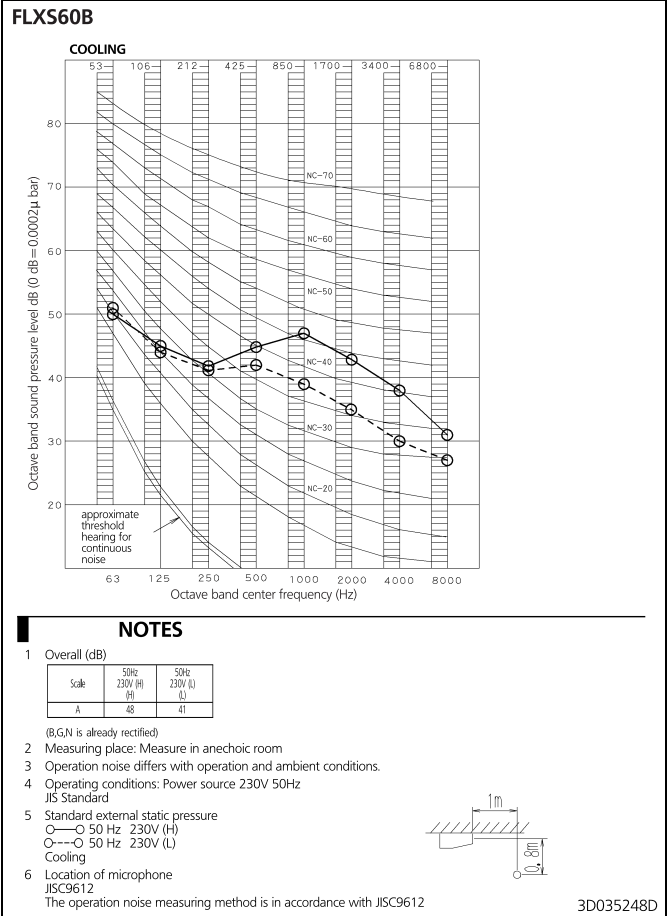
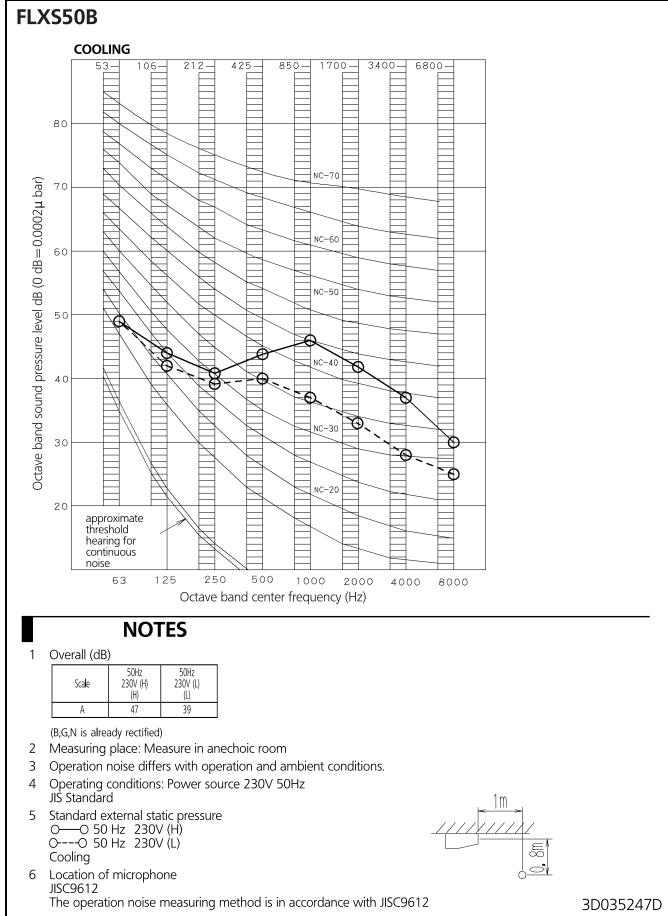
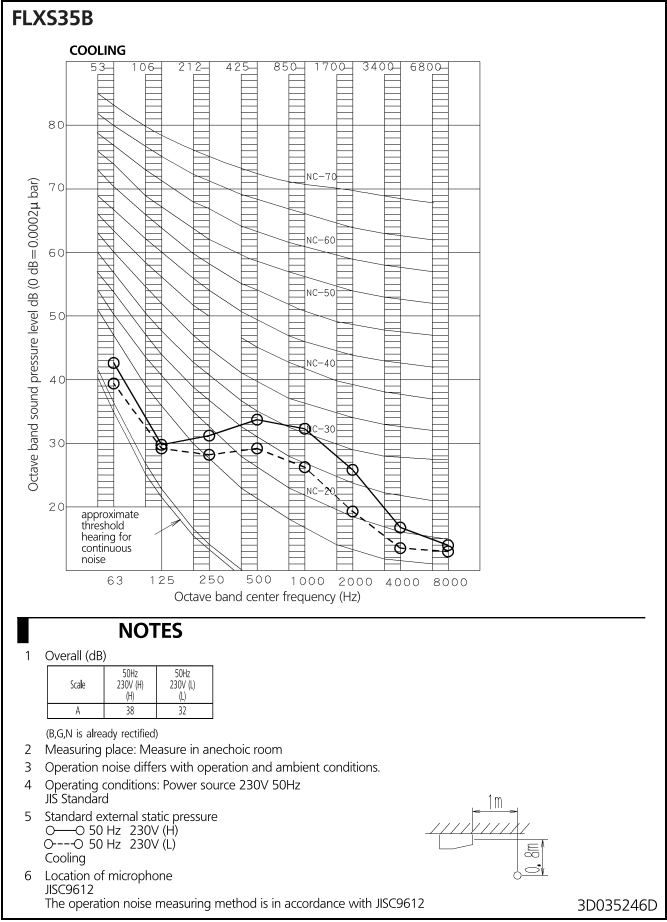
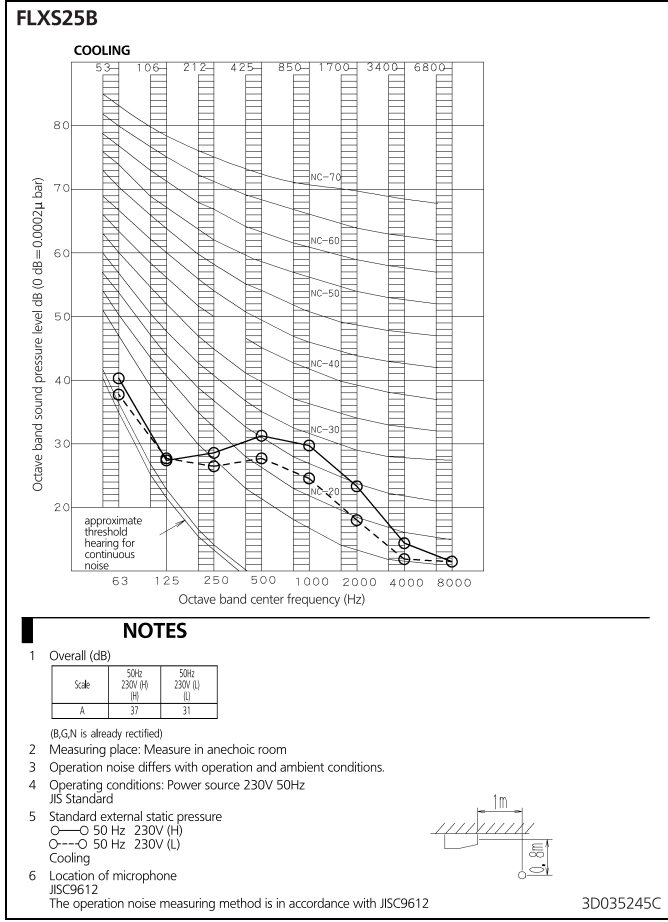
### 7 - 1 Wiring Diagrams - Single Phase

7



# 8 Sound data

## 8 - 1 Sound Pressure Spectrum - Cooling

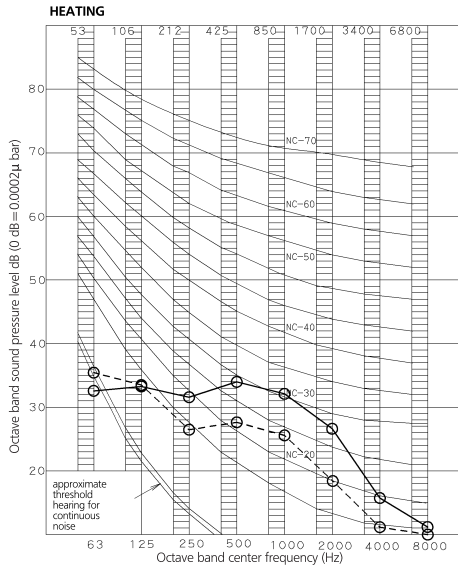


# 8 Sound data

## 8 - 2 Sound Pressure Spectrum - Heating

8

### FLXS25B



#### NOTES

1 Overall (dB)

Scale	50Hz 230V (H) (dB)	50Hz 230V (L) (dB)
A	37	31

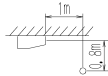
(B,G,N is already rectified)

- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 230V 50Hz  
JIS Standard
- Standard external static pressure

○—○ 50 Hz 230V (H)  
○---○ 50 Hz 230V (L)  
Heating

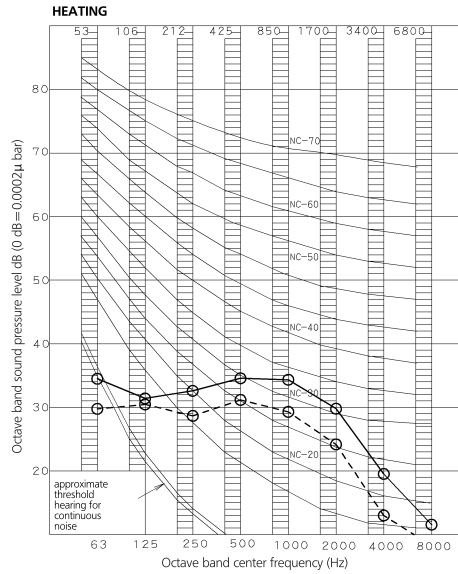
6 Location of microphone  
JISC9612

The operation noise measuring method is in accordance with JISC9612



3D035245C

### FLXS35B



#### NOTES

1 Overall (dB)

Scale	50Hz 230V (H) (dB)	50Hz 230V (L) (dB)
A	39	33

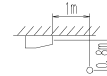
(B,G,N is already rectified)

- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 230V 50Hz  
JIS Standard
- Standard external static pressure

○—○ 50 Hz 230V (H)  
○---○ 50 Hz 230V (L)  
Heating

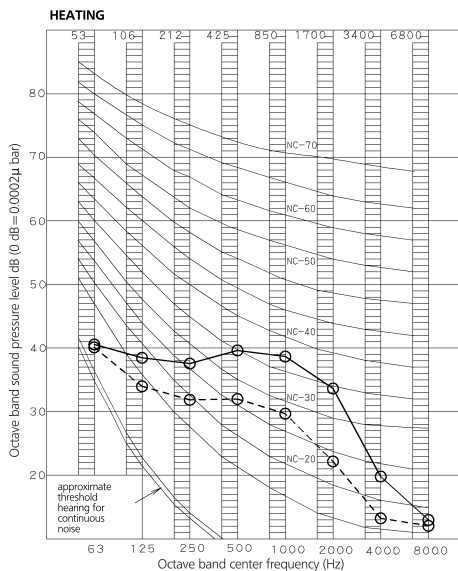
6 Location of microphone  
JISC9612

The operation noise measuring method is in accordance with JISC9612



3D035246D

### FLXS50B



#### NOTES

1 Overall (dB)

Scale	50Hz 230V (H) (dB)	50Hz 230V (L) (dB)
A	46	35

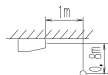
(B,G,N is already rectified)

- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 230V 50Hz  
JIS Standard
- Standard external static pressure

○—○ 50 Hz 230V (H)  
○---○ 50 Hz 230V (L)  
Heating

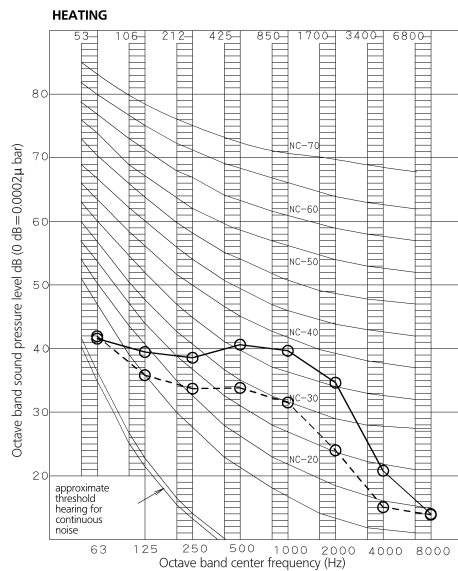
6 Location of microphone  
JISC9612

The operation noise measuring method is in accordance with JISC9612



3D035247D

### FLXS60B



#### NOTES

1 Overall (dB)

Scale	50Hz 230V (H) (dB)	50Hz 230V (L) (dB)
A	47	37

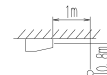
(B,G,N is already rectified)

- Measuring place: Measure in anechoic room
- Operation noise differs with operation and ambient conditions.
- Operating conditions: Power source 230V 50Hz  
JIS Standard
- Standard external static pressure

○—○ 50 Hz 230V (H)  
○---○ 50 Hz 230V (L)  
Heating

6 Location of microphone  
JISC9612

The operation noise measuring method is in accordance with JISC9612



3D035248D



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