



Air Conditioning Technical Data

Flexi type unit



EEDEN14-100

FLXS-B(9)

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FLXS-B(9)

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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



Home leave operation



Fan only



Powerful mode



Auto cooling-heating changeover



Whisper quiet



Indoor unit silent operation



Vertical auto swing



Auto fan speed



Fan speed steps



Dry programme



Photocatalytic deodorising air purification filter



24 hour timer



Infrared remote control



Auto-restart



Self diagnosis



Multi model application



Super Multi Plus

2 Specifications

2-1 Technical Specifications				FLXS25B	FLXS35B9	FLXS50B	FLXS60B	
Power input - 50Hz	Cooling	Nom.	kW	0.070	0.078 (1) / 0.078 (2) / 0.078 (3)	0.096	0.098	
	Heating	Nom.	kW	0.074	0.078 (1) / 0.078 (2) / 0.078 (3)	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	ø7 Hi-XD	ø7 Hi-XA		
	Fin	Type		ML fin (Multi louver)				
Fan	Type			Sirocco fan				
	Quantity			1	-	1		
	Air flow rate	Cooling	High	m ³ /min	7.6	8.6	11.4	12.0
				cfm	-	304	-	-
			Nom.	m ³ /min	7.6		11.4	10.7
				cfm	-	368	-	-
			Low	m ³ /min	6.0	6.6	8.5	9.3
				cfm	-	233	-	-
		Silent operation	m ³ /min	5.2	5.6	7.5	8.3	
			cfm	-	198	-	-	
		Heating	High	m ³ /min	9.2	12.8	12.1	12.8
				cfm	-	452	-	-
			Nom.	m ³ /min	8.3	10.4	9.8	10.6
				cfm	-	367	-	-
	Low		m ³ /min	7.4	8.0	7.5	8.4	
			cfm	-	282	-	-	
Silent operation	m ³ /min	6.6	7.2	6.8	7.5			
	cfm	-	254	-	-			
Fan motor	Quantity			1	-	1		
	Model			KFP-220-34-4A	KFD-220-34-4A	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	1,200/980/760/680
Output	High	W	34					
Sound power level	Cooling	/	dBA	51	53	60		
	Heating	/	dBA	51	59	-	59	
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	-/46/36/33/30	-/46/41/35/33	-/47/42/37/34	
Refrigerant	Type			R-410A				

2 Specifications

2-1 Technical Specifications			FLXS25B	FLXS35B9	FLXS50B	FLXS60B
Piping connections	Liquid	OD	6.35			
	Gas	OD	9.52	9.5	12.7	
	Drain		18			
	Heat insulation		Both liquid and gas pipes			
Temperature control			Microcomputer control			
Air direction control			Left, right, up and downwards	Right, Left, Horizontal, Downward	Left, right, up and downwards	
Air filter	Type		Removable / washable / mildew proof			

- Standard Accessories : Mounting plate; Quantity : 1;
- Standard Accessories : Binding band; Quantity : 4;
- Standard Accessories : Heat insulation tube (refrigerant pipe); Quantity : 1;
- Standard Accessories : Photocatalytic deodorizing filter; Quantity : 1;
- Standard Accessories : Side cover; Quantity : 2;
- Standard Accessories : Infrared remote control; Quantity : 1;
- Standard Accessories : Air purification filter; Quantity : 1;
- Standard Accessories : Installation and operation manual; Quantity : 1;
- Standard Accessories : Batteries; Quantity : 2;
- Standard Accessories : Remote control holder; Quantity : 1;
- Standard Accessories : AAA dry-cell batteries; Quantity : 2;
- Standard Accessories : Operation manual; Quantity : 1;
- Standard Accessories : Installation manual; Quantity : 1;
- Standard Accessories : Extension auxiliary pipe; Quantity : 2;

2-2 Electrical Specifications				FLXS25B	FLXS35B9	FLXS50B	FLXS60B
Power supply	Name			VM			
	Phase			1~			
	Frequency	Hz	50/60	50	50/60		
	Voltage	V	220-240/220-230	220-240	220-240/220-230		
Voltage range	Min.	%	-10	-	-10		
	Max.	%	10	-	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	-	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.
- (7) When connected with multi-system outdoor unit, refer to the specifications of the multi outdoor unit to be connected.

3 Options

3 - 1 Options

FLXS-B(9)

Indoor Units - Control systems

	FLXS25B	FLXS35B9	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			KKF917A4A	
Central remote controller			DCS302C51	
Unified ON/OFF control			DCS301B51	
Schedule timer			DST301B51	
Interface adapter for DIM-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	FLXS35B9	FLXS50B	FLXS60B
Photocatalytic deodorising filter, with frame			KAZ917B41	
Photocatalytic deodorising filter, without frame			KAZ917B42	
Air purification filter with frame			KAF925B41	

4 Dimensional drawings

4 - 1 Dimensional Drawings Ceiling Mounted Installation

FLXS25-35B(9)
Ceiling suspended installation
 The mark (→) shows piping direction

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

Top view dimensions: 1030 (width), 50 (height), 1050 (flap width).
 Side view dimensions: 200 (width), 490 (height).
 Front view labels: flap, Terminal block (with earth terminal), Suction grille, Name plate, Room temp. sensor, Signal transmitter, Indoor unit ON/OFF switch, Signal receiver, Home leave lamp, Timer lamp, Operation lamp, Front panel fixed screws, Under.

Blade angle:
 Up/down: (automatic)
 Cooling: 20°, 4.0°
 Dry: 20°, 4.0°
 Heating: 6.5°, 9.5°
 Right/left: (manual)
 4.5°, 4.5°

Infrared remote controller
 ARC433B67

Standard locations of wall holes:
 Wall hole for refrigerant piping $\phi 65$ hole
 $\phi 40$ drain hose hole
 - Drain hose (I.D. $\phi 14$, O.D. $\phi 18$)

Location of suspension bolts:
 Wall hole for embedded piping $\phi 65$ hole
 50 Min. (space for maintenance)

• Liquid pipe (6.4 CuT)
 • Gas pipe ($\phi 9.5$ CuT)

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FLXS50-60B
Ceiling suspended installation
 The mark (→) shows piping direction

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

Top view dimensions: 1030 (width), 50 (height), 1050 (flap width).
 Side view dimensions: 200 (width), 490 (height).
 Front view labels: flap, Terminal block (with earth terminal), Suction grille, Name plate, Room temp. sensor, Signal transmitter, Indoor unit ON/OFF switch, Signal receiver, Home leave lamp, Timer lamp, Operation lamp, Front panel fixed screws, Under.

Blade angle:
 Up/down: (automatic)
 Cooling: 20°, 4.0°
 Dry: 20°, 4.0°
 Heating: 6.5°, 9.5°
 Right/left: (manual)
 4.5°, 4.5°

Infrared remote controller
 ARC433B67

Standard locations of wall holes:
 Wall hole for refrigerant piping $\phi 65$ hole
 $\phi 40$ drain hose hole
 - Drain hose (I.D. $\phi 14$, O.D. $\phi 18$)

Location of suspension bolts:
 Wall hole for embedded piping $\phi 65$ hole
 50 Min. (space for maintenance)

• Liquid pipe ($\phi 6.4$ CuT)
 • Gas pipe ($\phi 12.7$ CuT)

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4 Dimensional drawings

4 - 2 Dimensional Drawings Floor Mounted Installation

FLXS25-35B(9)
Floor level installation
 The mark (→) shows piping direction

Required space
 (for performance and maintenance)

→ Air flow (indoor)

- 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

Wall hole for refrigerant piping φ 80 hole

Wall hole for embedded piping φ 80 hole

Blade angle

Up/down: (automatic)
 Cooling: 40°, 20°
 Dry: 40°, 20°
 Heating: 95°, 65°
 Right/left: (manual): 45°, 45°

Infrared remote controller
 ARC433B67

3D033695H

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

Required space
 (for performance and maintenance)

→ Air flow (indoor)

- 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

Wall hole for refrigerant piping φ 80 hole

Wall hole for embedded piping φ 80 hole

Blade angle

Up/down: (automatic)
 Cooling: 40°, 20°
 Dry: 40°, 20°
 Heating: 95°, 65°
 Right/left: (manual): 45°, 45°

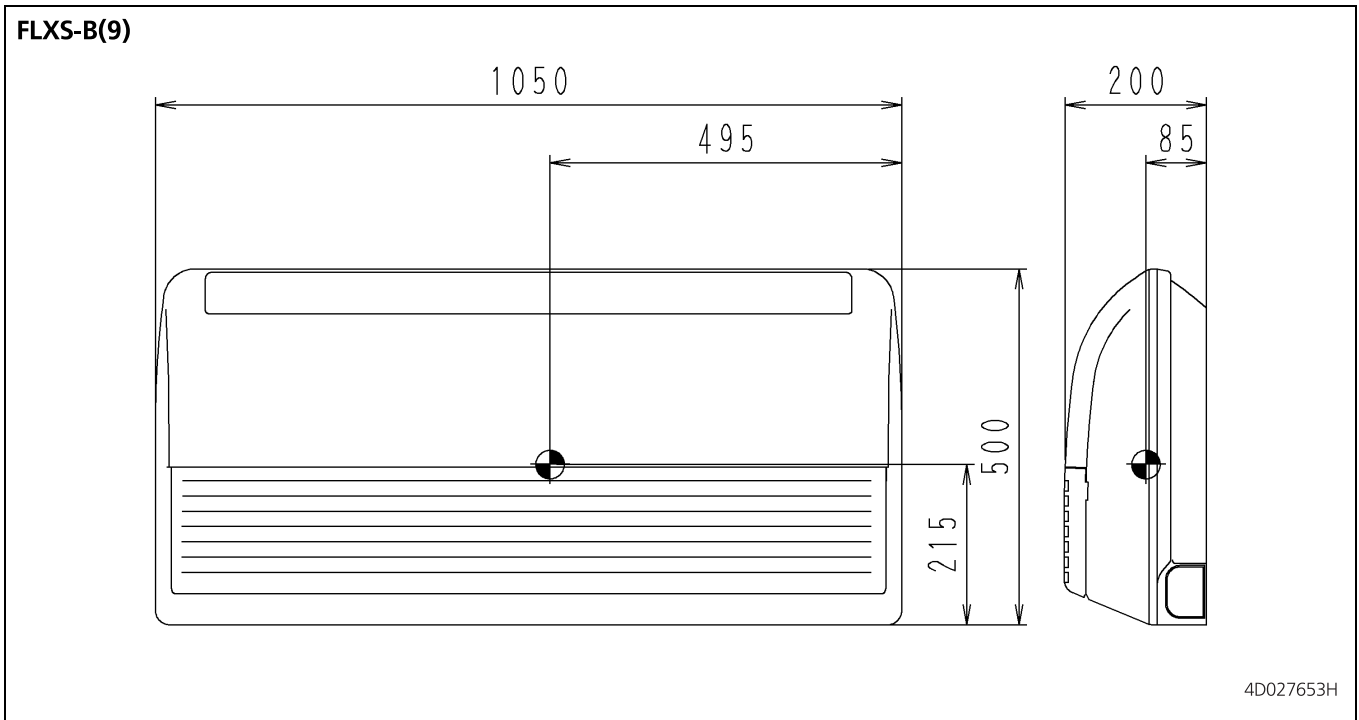
Infrared remote controller
 ARC433B67

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5 Centre of gravity

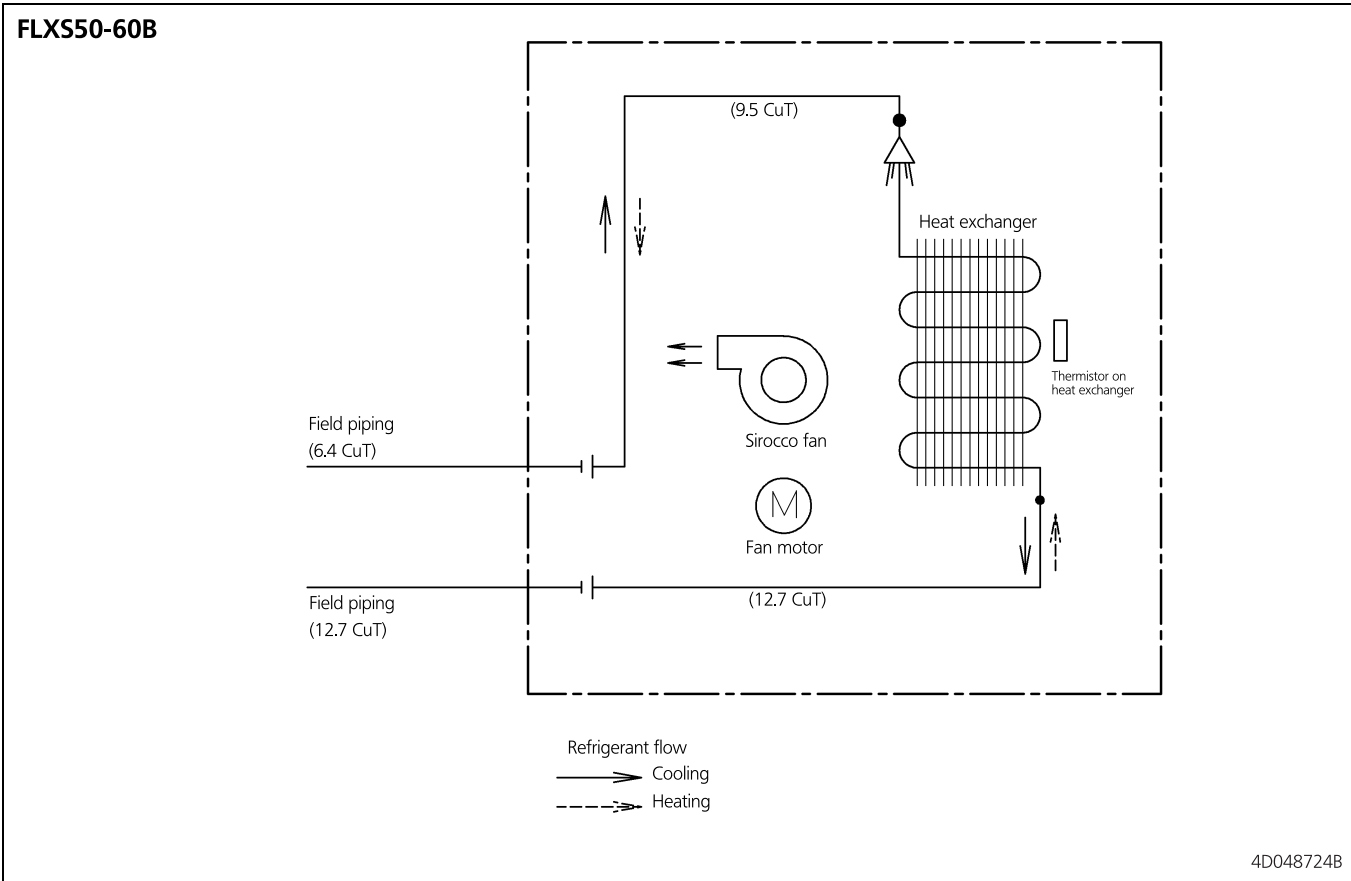
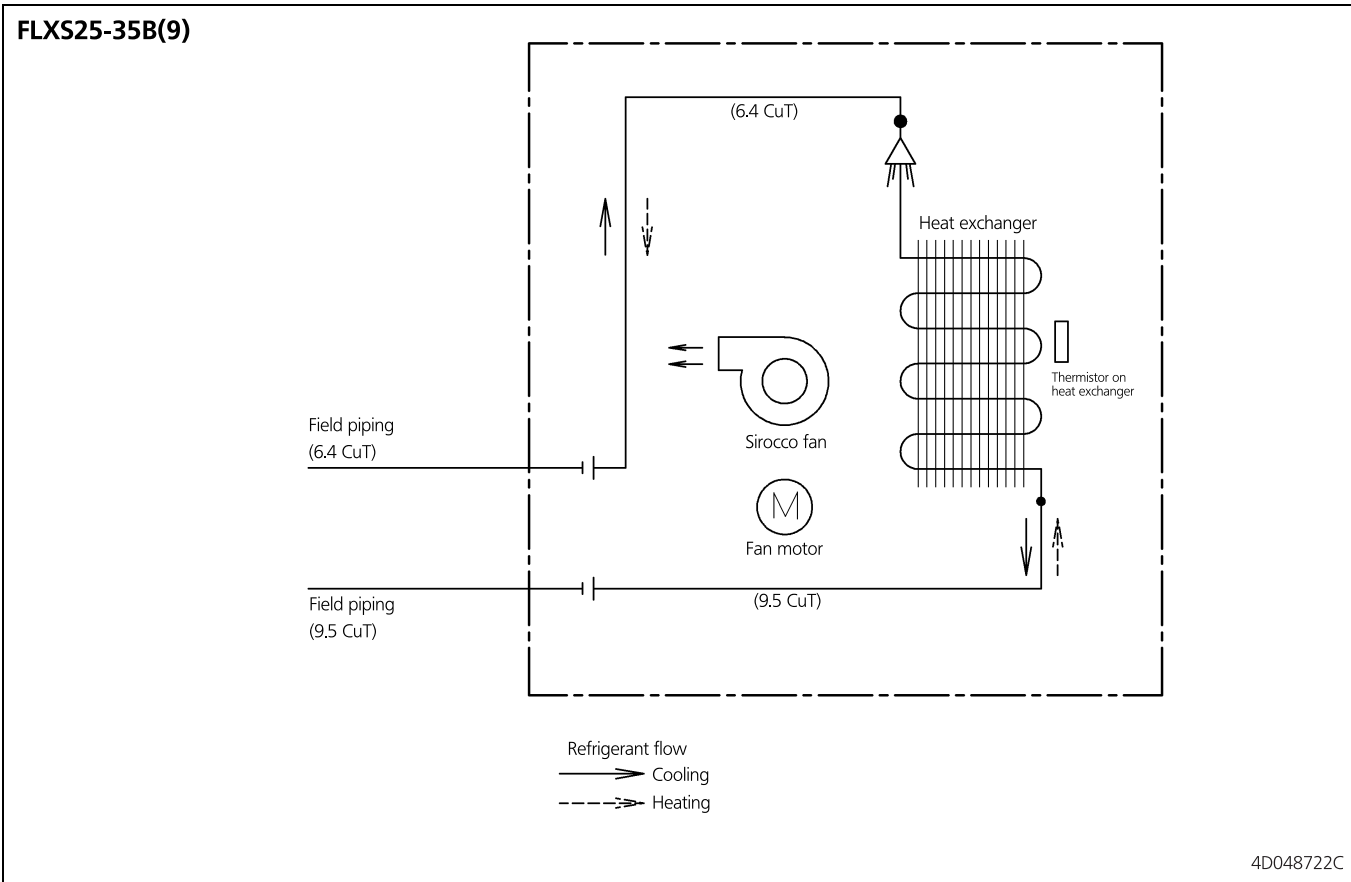
5 - 1 Centre of Gravity

5



6 Piping diagrams

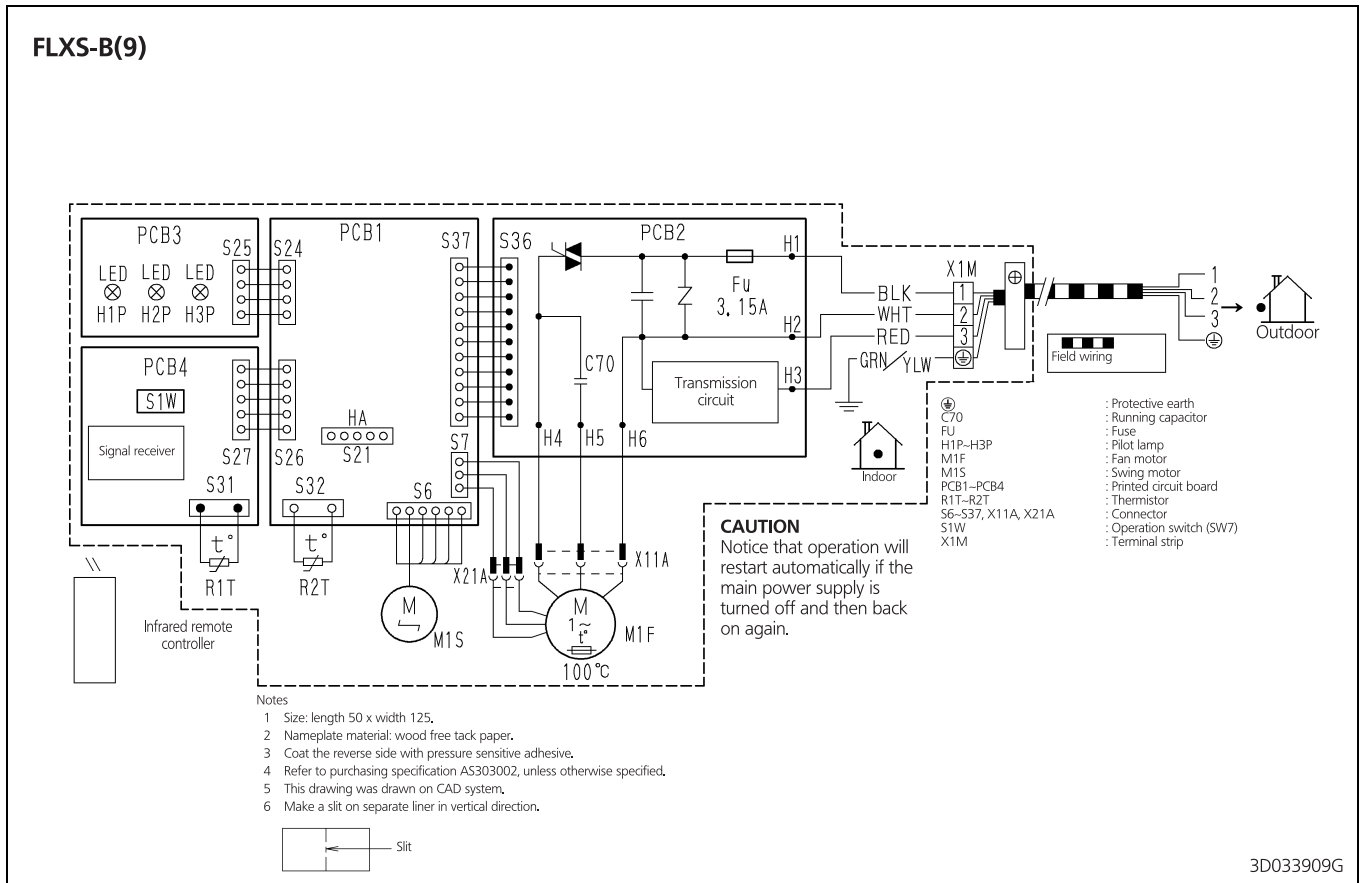
6 - 1 Piping Diagrams



7 Wiring diagrams

7 - 1 Wiring Diagrams - Single Phase

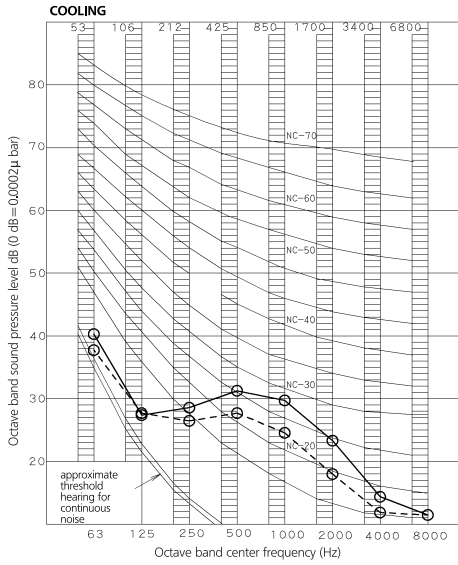
7



8 Sound data

8 - 1 Sound Pressure Spectrum - Cooling

FLXS25B

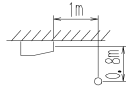


NOTES

1 Overall (dB)

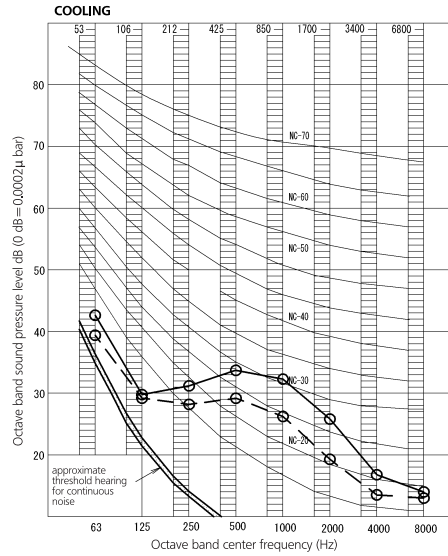
Scale	50Hz 230V (H) (H)	50Hz 230V (L) (L)
A	37	31

- (B.G.N is already rectified)
- 2 Measuring place: Measure in anechoic room
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 230V 50Hz JIS Standard
- 5 Standard external static pressure
 - 50 Hz 230V (H)
 - 50 Hz 230V (L)
 Cooling
- 6 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



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FLXS35B9

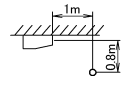


NOTES

1 Overall (dB)

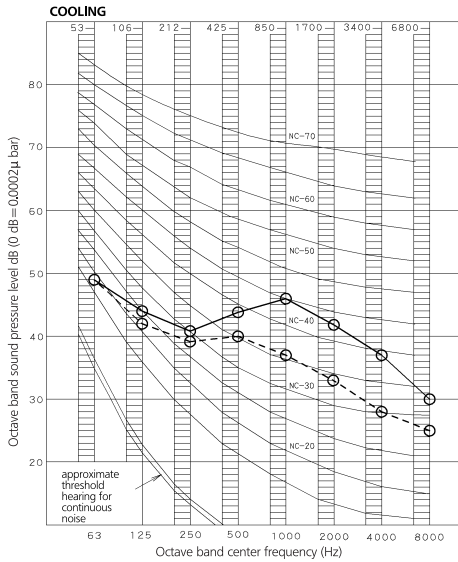
Scale	50Hz 230V (H) (H)	50Hz 230V (L) (L)
A	38	32

- (B.G.N is already rectified)
- 2 Measuring place: Measure in anechoic room
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 230V 50Hz JIS Standard
- 5 Standard external static pressure
 - 50 Hz 230V (H)
 - 50 Hz 230V (L)
 Cooling
- 6 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



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FLXS50B

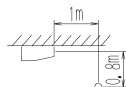


NOTES

1 Overall (dB)

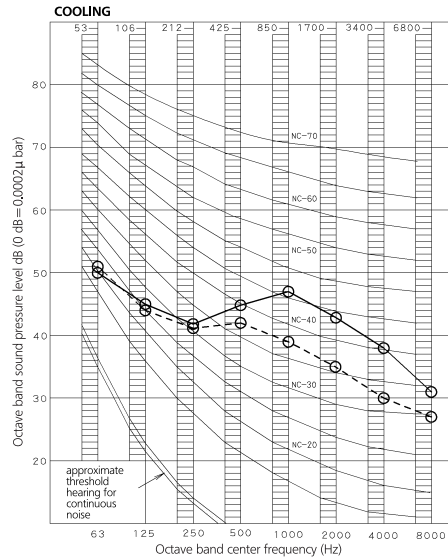
Scale	50Hz 230V (H) (H)	50Hz 230V (L) (L)
A	47	39

- (B.G.N is already rectified)
- 2 Measuring place: Measure in anechoic room
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 230V 50Hz JIS Standard
- 5 Standard external static pressure
 - 50 Hz 230V (H)
 - 50 Hz 230V (L)
 Cooling
- 6 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612



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FLXS60B

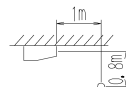


NOTES

1 Overall (dB)

Scale	50Hz 230V (H) (H)	50Hz 230V (L) (L)
A	48	41

- (B.G.N is already rectified)
- 2 Measuring place: Measure in anechoic room
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 230V 50Hz JIS Standard
- 5 Standard external static pressure
 - 50 Hz 230V (H)
 - 50 Hz 230V (L)
 Cooling
- 6 Location of microphone
JISC9612
The operation noise measuring method is in accordance with JISC9612

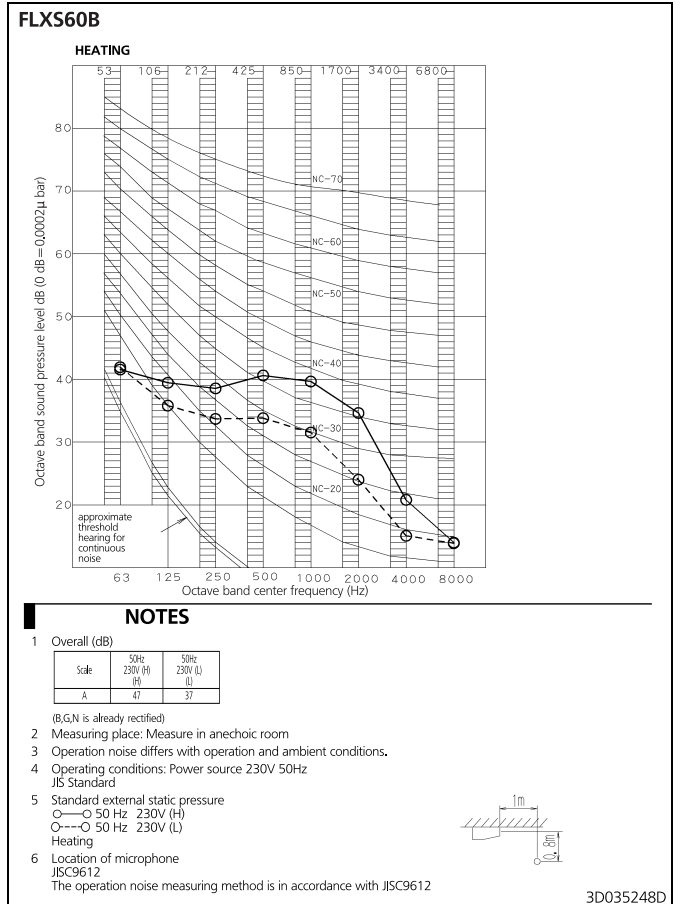
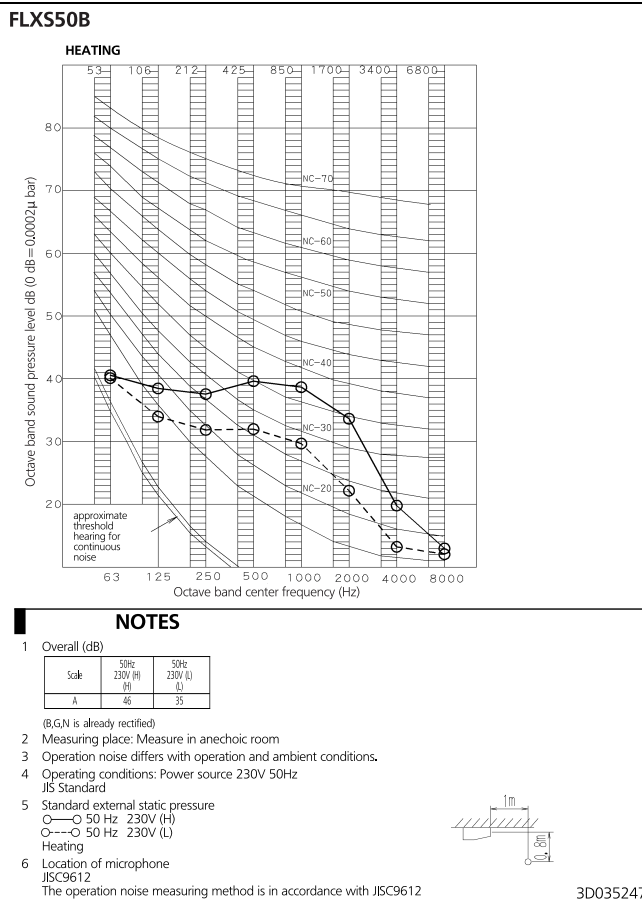
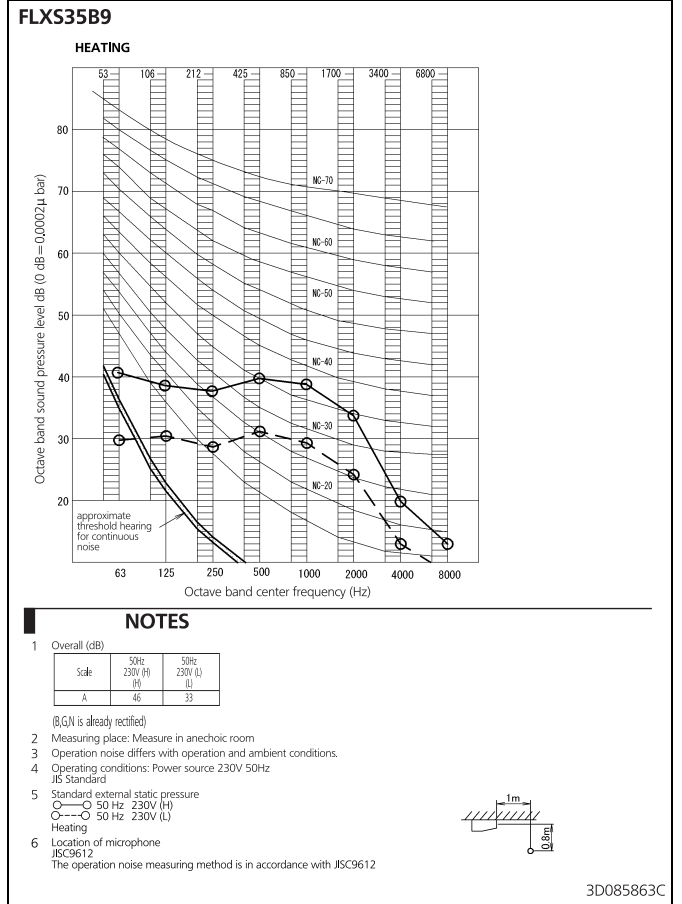
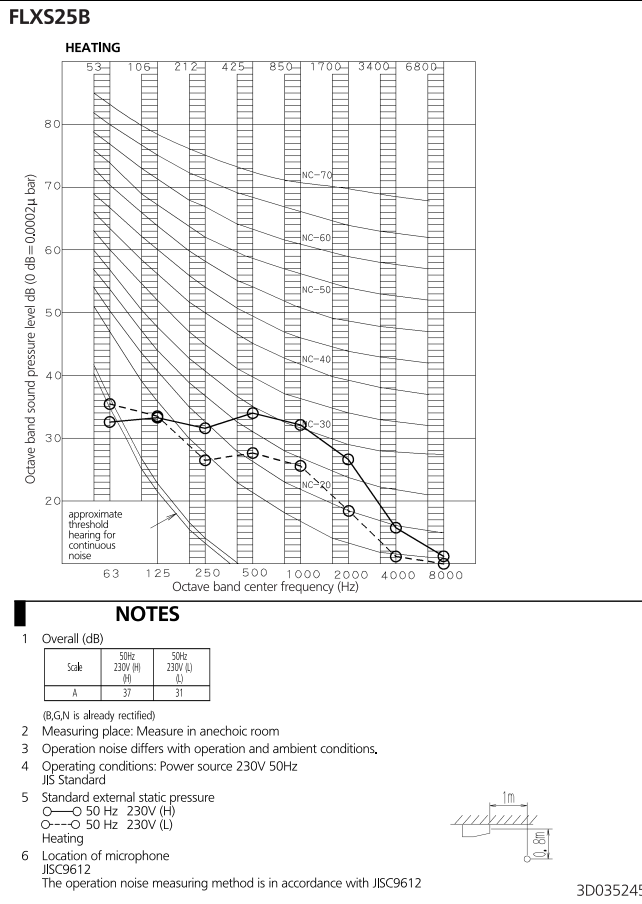


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8 Sound data

8 - 2 Sound Pressure Spectrum - Heating

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