

Technical Data

Wall mounted



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units.

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Air Conditioners Technical Data

Wall mounted



EEEDEN11-100

FTXN-K

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FTXN-K

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1 Features

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- Energy saving during standby mode: reduces current consumption by about 80% when operating in standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.
- ECONO mode decreases power consumption so that other appliances that need large power consumption can be used
- Vertical auto swing moves the discharge flaps up and down for efficient air and temperature distribution throughout the room
- Night set mode saves energy by preventing overcooling or overheating during night time
- Comfort mode guarantees draught free operation by preventing that warm or cold air is directly blown on to the body
- Powerful mode can be selected for rapid heating or cooling; after the powerful mode is turned off, the unit returns to the preset mode.
- Indoor unit silent operation: "silent" button on the remote control lowers the operation sound of the indoor unit by 3dBA
- Titanium apatite photocatalytic air purification filter removes airborne microscopic particles, powerfully decomposes odours and helps to prevent the propagation of bacteria, viruses, microbes to ensure a steady supply of clean air
- Whisper quiet operation: down to 22dBA sound pressure level
- 24 hour timer can be set to start heating or cooling anytime during a 24 hour period
- Weekly timer can be set to start heating or cooling anytime on a daily or weekly basis



2

2 Specifications

2-1 Technical Specifications				FTXN25KEV1B	FTXN35KEV1B	FTXN50KV1B	FTXN60KV1B		
Power input	Cooling	Nom.	kW	-	-	0.034	0.040		
	Heating	Nom.	kW	-	-	0.036	0.045		
Power input - 50Hz	Cooling	Nom.	kW	0.029	-	-	-		
	Heating	Nom.	kW	0.029	-	-	-		
Casing	Colour			White					
Dimensions	Unit	Height	mm	283	-	290	-		
		Width	mm	770	-	1,050	-		
		Depth	mm	198	-	238	-		
	Packed unit	Height	mm	261	-	337	-		
		Width	mm	844	-	1,147	-		
		Depth	mm	342	-	366	-		
Weight	Unit		kg	8	-	12	-		
	Packed unit		kg	11	-	17	-		
Packing	Weight		kg	3	-	-	-		
Heat exchanger	Length		mm	610	-	863	-		
	Rows	Quantity		2					
	Fin pitch		mm	1.6	-	1.4	-		
	Stages	Quantity		12					
	Tube type				ø7 Hi-XD		ø7 Hi-XA		
	Fin	Type		ML fin (Multi louver)					
	Fan	Type			Cross flow fan				
Air flow rate		Cooling	High	m ³ /min	9.2	9.6	14.7	16.2	
				cfm	325	339	519	572	
			Nom.	m ³ /min	6.9	7.5	12.4	13.6	
				cfm	244	265	438	480	
			Low	m ³ /min	4.6	5.6	10.3	11.4	
				cfm	162	198	364	403	
			Silent operation	m ³ /min	3.9	4.5	9.5	10.2	
				cfm	138	159	335	360	
		Heating	High	m ³ /min	9.8	10.1	16.1	17.4	
				cfm	346	357	568	614	
			Nom.	m ³ /min	7.9	8.3	13.9	15.1	
				cfm	279	293	491	533	
			Low	m ³ /min	6.0	6.4	11.5	12.7	
				cfm	212	226	406	448	
			Silent operation	m ³ /min	5.3	5.7	10.2	11.4	
	cfm			187	201	360	403		
Fan motor	Model			-		ARW30R8P43DA			
	Speed	Steps		5 + silent, + auto					
		Cooling	High	rpm	1,230	1,250	1,240	1,330	
				rpm	970	1,020	1,090	1,170	
			Low	rpm	710	800	930	1,010	
				Silent operation	rpm	630	680	860	920
		Heating	High	rpm	1,250	1,280	1,270	1,360	
				rpm	1,040	1,080	1,110	1,200	
			Low	rpm	840	880	960	1,040	
				Silent operation	rpm	760	800	870	950
		Output	High		W	15		43	
		Sound power level	Cooling	Nom.	dBA	56	57	59	61
Heating			Nom.	dBA	56	57	58	60	

2 Specifications

2

2-1 Technical Specifications				FTXN25KEV1B	FTXN35KEV1B	FTXN50KV1B	FTXN60KV1B
Sound pressure level	Cooling	High	dBA	40	41	43	45
		Nom.	dBA	33	34	39	41
		Low	dBA	26	27	34	36
		Silent operation	dBA	22	23	31	33
	Heating	High	dBA	40	41	42	44
		Nom.	dBA	34	35	38	40
		Low	dBA	28	29	33	35
		Silent operation	dBA	25	26	30	32
Piping connections	Liquid	OD	mm	-		6.35	
	Gas	OD	mm	-		12.7	
	Drain			-		I.D. 14.0/O.D. 18.0	
	Heat insulation			-		Both liquid and gas pipes	
Temperature control				Microcomputer control			
Air direction control				Right, Left, Horizontal, Downward			
Air filter				Removable / washable / mildew proof			

Standard Accessories : Fixing screw for remote control; Quantity : 2;

Standard Accessories : Fixing screws for mounting plate; Quantity : 6;

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

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

Standard Accessories : Mounting plate; Quantity : 1;

Standard Accessories : Remote control holder; Quantity : 1;

Standard Accessories : Wireless remote control; Quantity : 1;

Standard Accessories : Batteries; Quantity : 2;

Standard Accessories : Operation manual; Quantity : 1;

Standard Accessories : Installation manual; Quantity : 1;

2-2 Electrical Specifications				FTXN25KEV1B	FTXN35KEV1B	FTXN50KV1B	FTXN60KV1B
Power supply	Phase			1~			
	Frequency		Hz	50			
	Voltage		V	220-240			
Current	Nominal running current (RLA) - 50Hz	Cooling	A	0.15 (1) 0.15 (2) 0.16 (3)	0.15 (1) 0.15 (2) 0.16 (3)	0.16 (1) 0.15 (2) 0.1 (3)	0.19 (1) 0.18 (2) 0.17 (3)
		Heating	A	0.15 (1) 0.15 (2) 0.16 (3)	0.15 (1) 0.15 (2) 0.16 (3)	0.17 (1) 0.16 (2) 0.16 (3)	0.21 (1) 0.20 (2) 0.19 (3)
Current - 50Hz	Nominal running current		A	-			
Current - 60Hz	Nominal running current		A	-			
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

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

3 Options

FTXN25-35K

Description		Option name	
Indoor unit	Wired remote controller	BRC944B2	
	Cord for remote controller assy	3m	BRCW901A03
		8m	BRCW901A08
	Titanium apatite photocatalytic air-purifying filter without frame	KAF970A46	
The remote controller loss prevention with the chain	KKF936A4		

FTXN50-60K

Description		Option name	
Indoor unit	Wired remote controller	BRC944B2	
	Cord for remote controller assy	3m	BRCW901A03
		8m	BRCW901A08
	Titanium apatite photocatalytic air-purifying filter without frame	KRP413AB15	
The remote controller loss prevention with the chain	KKF936A4		

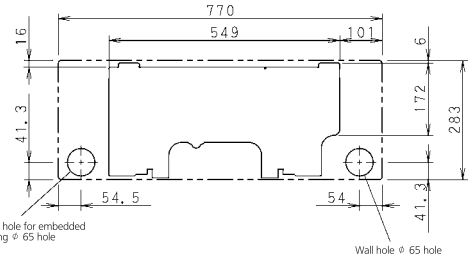
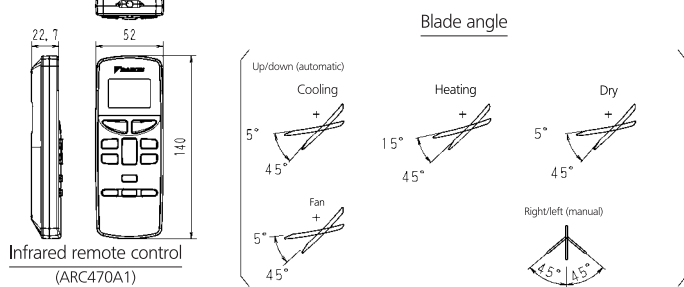
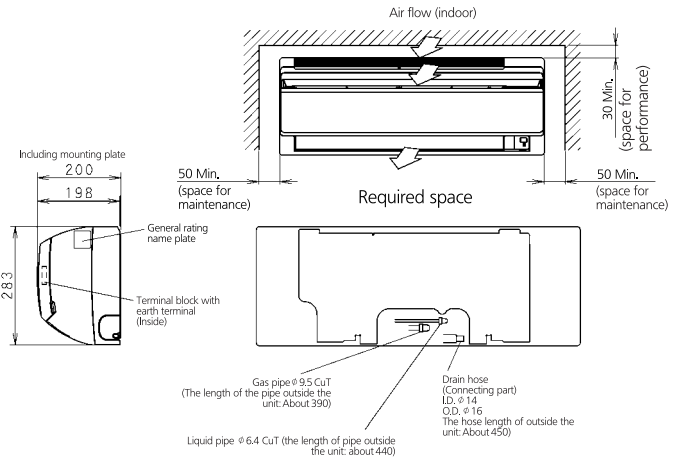
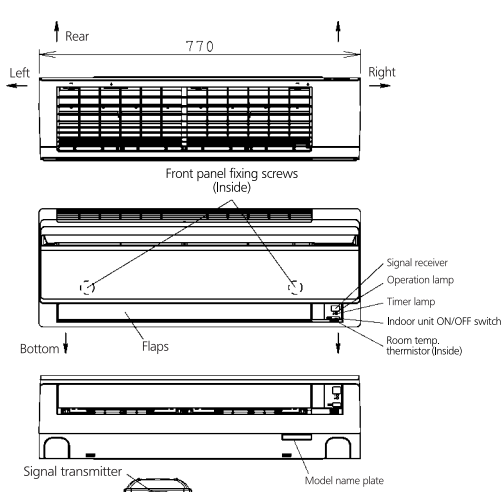
4 Dimensional drawings

4 - 1 Dimensional Drawings

4

FTXN25-35K

The mark (→) shows piping direction

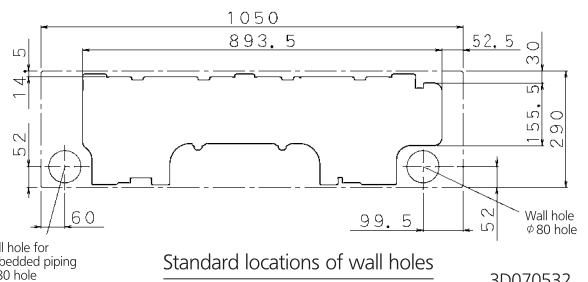
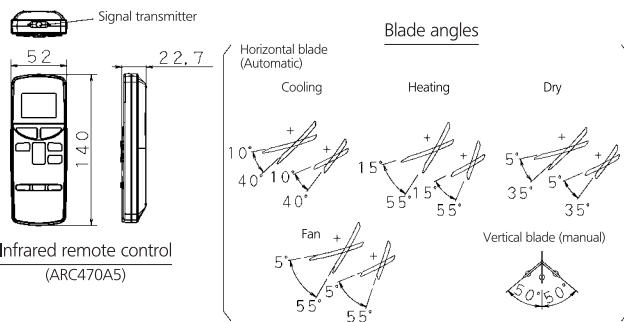
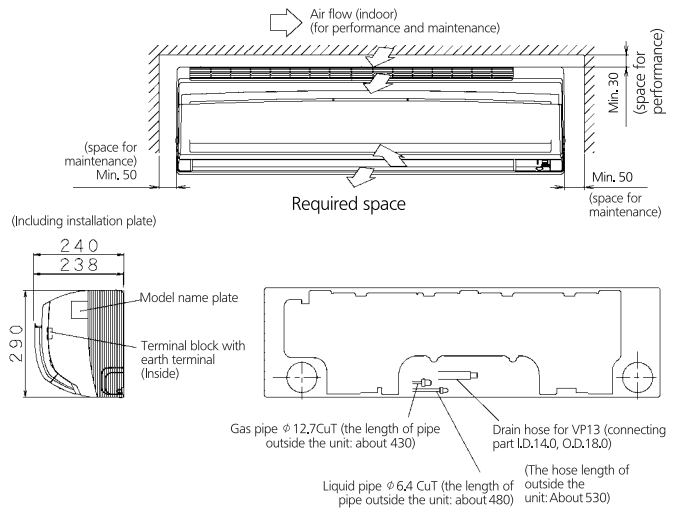
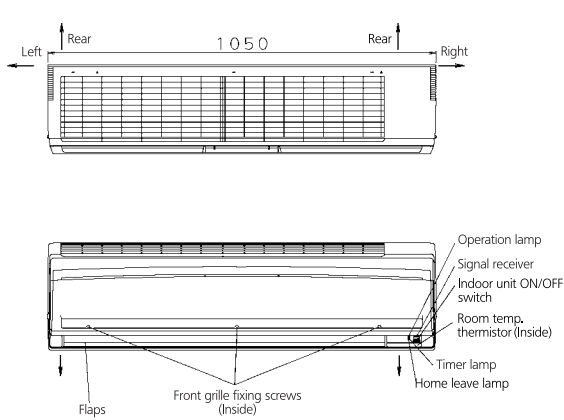


Standard locations of wall holes

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FTXN50-60K

The mark (→) shows piping direction



Standard locations of wall holes

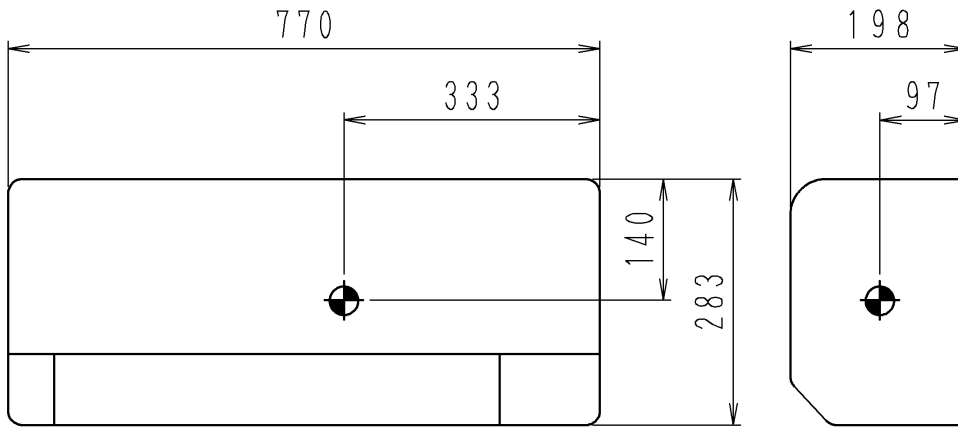
3D070532

6

5 Centre of gravity

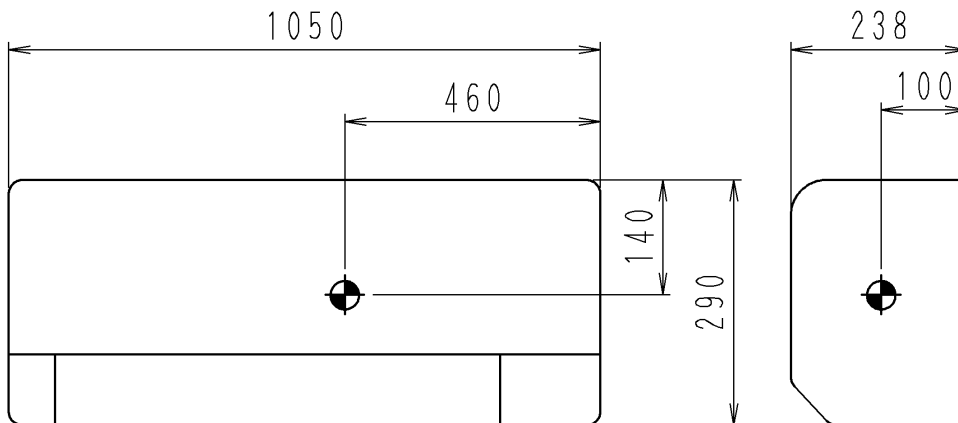
5 - 1 Centre of Gravity

FTXN25-35K



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FTXN50-60K



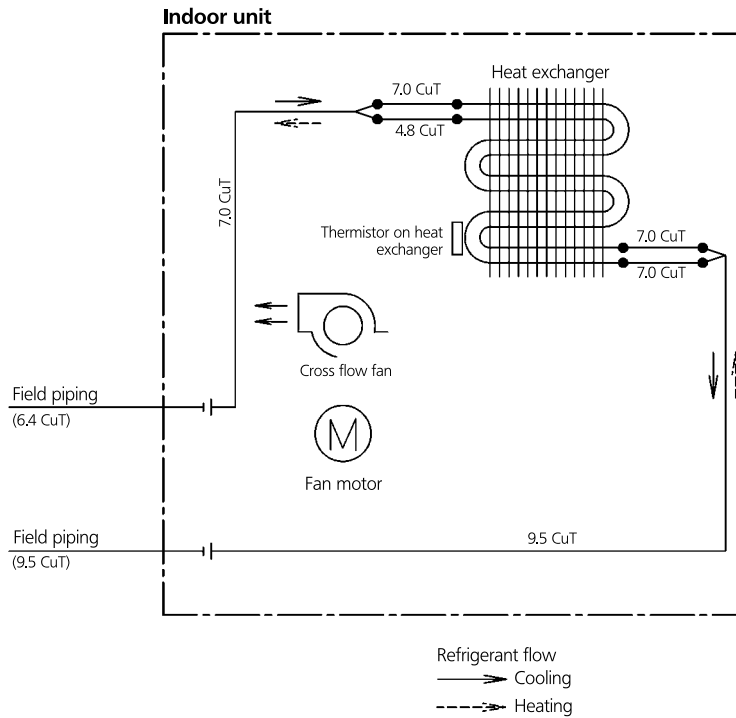
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6 Piping diagrams

6 - 1 Piping Diagrams

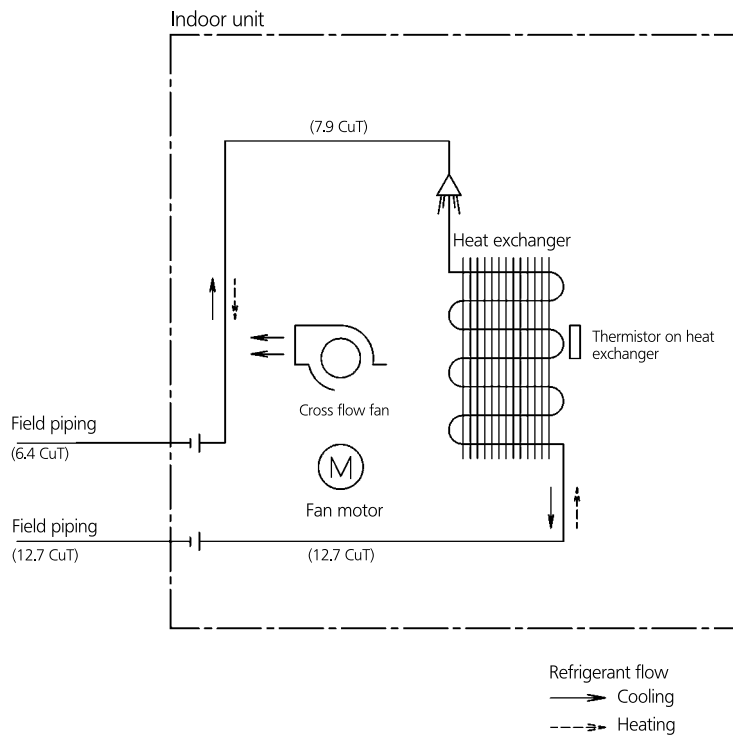
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FTXN25-35K



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FTXN50-60K

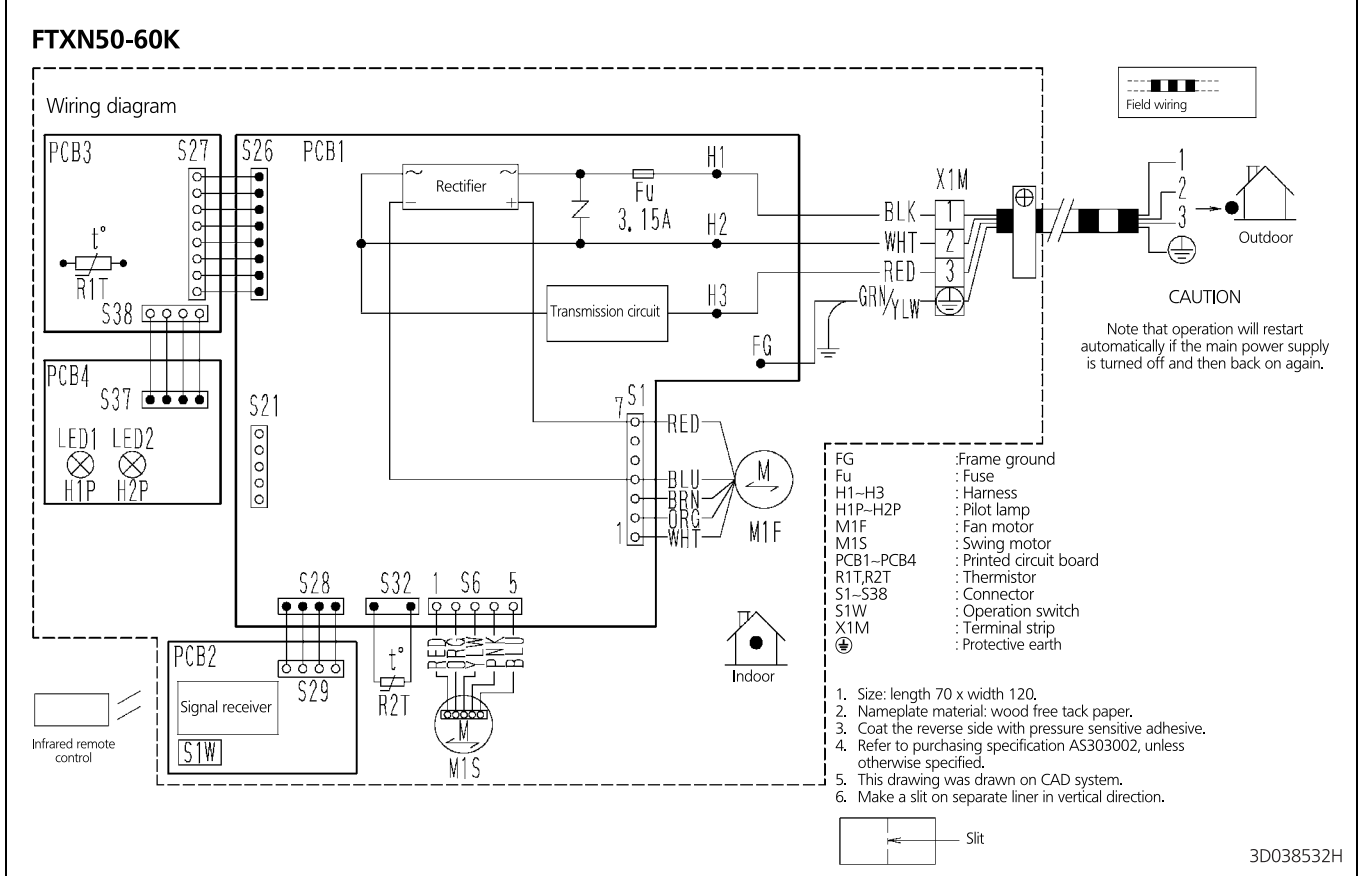
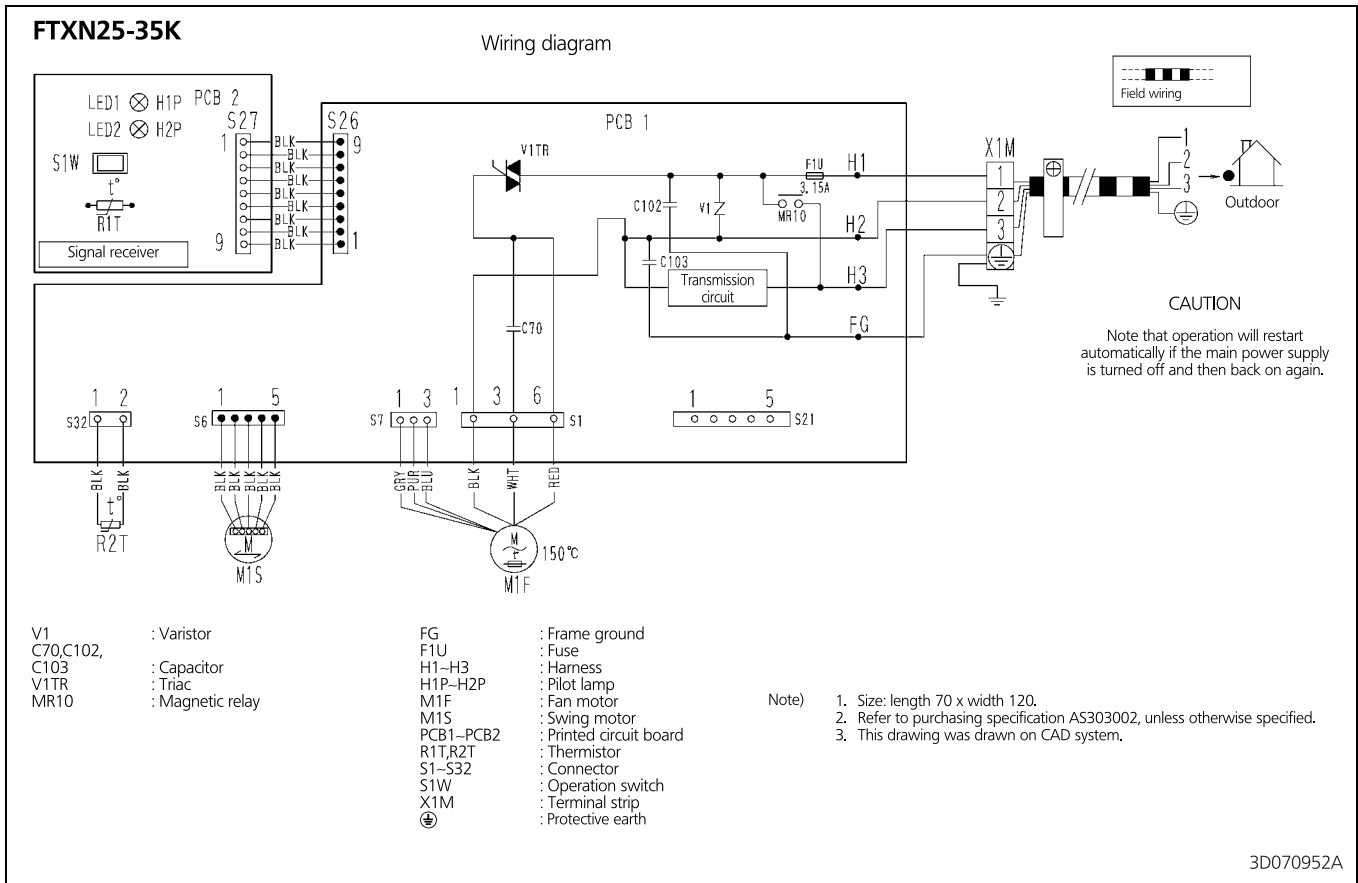


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7 Wiring diagrams

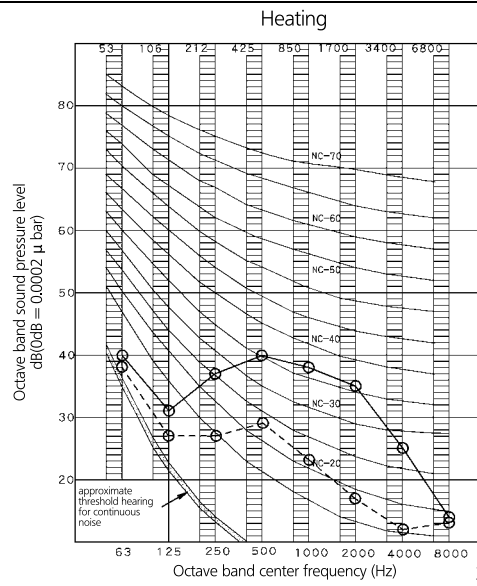
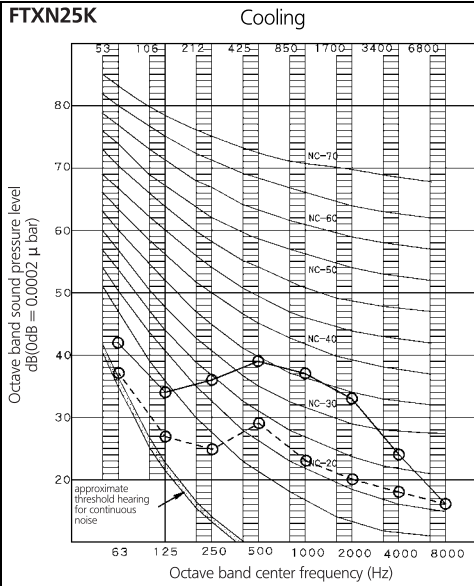
7 - 1 Wiring Diagrams - Single Phase



8 Sound data

8 - 1 Sound Pressure Spectrum

8



3D066858A

Overall (dB)

Scale	50Hz 230V (H)	50Hz 230V (L)
A	40	26

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

Operating conditions

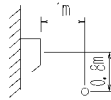
Power source 230V 50Hz

- 50Hz 230V (H)
- - -○ 50Hz 230V (L)

Cooling

Location of microphone

The operation noise measuring method is in accordance with JISC9612



Overall (dB)

Scale	50Hz 230V (H)	50Hz 230V (L)
A	40	28

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

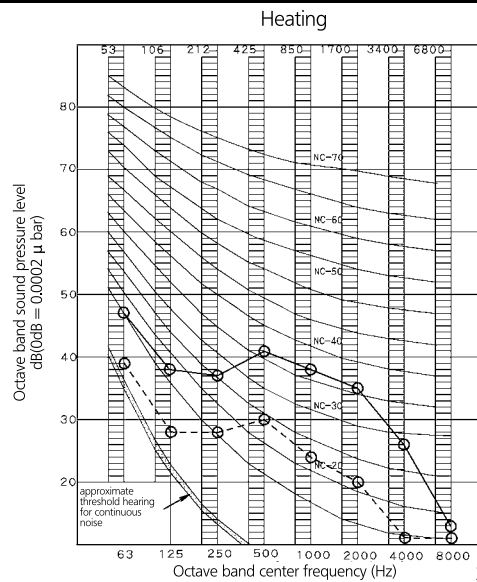
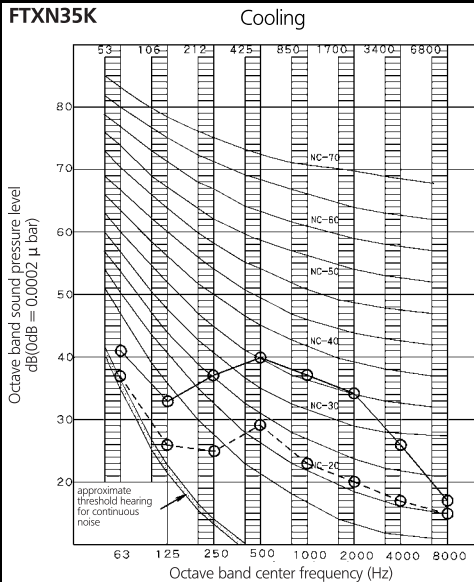
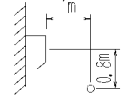
Power source 230V 50Hz

- 50Hz 230V (H)
- - -○ 50Hz 230V (L)

Heating

Location of microphone

The operation noise measuring method is in accordance with JISC9612



3D066859A

Overall (dB)

Scale	50Hz 230V (H)	50Hz 230V (L)
A	41	27

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

NOTE: Operation noise differs with operation and ambient conditions.

Operating conditions

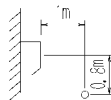
Power source 230V 50Hz

- 50Hz 230V (H)
- - -○ 50Hz 230V (L)

Cooling

Location of microphone

The operation noise measuring method is in accordance with JISC9612



Overall (dB)

Scale	50Hz 230V (H)	50Hz 230V (L)
A	41	29

(B,G,N is already rectified)

Measuring place

Measure in anechoic room

Operating conditions

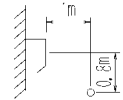
Power source 230V 50Hz

- 50Hz 230V (H)
- - -○ 50Hz 230V (L)

Heating

Location of microphone

The operation noise measuring method is in accordance with JISC9612



8 Sound data

8 - 1 Sound Pressure Spectrum

