

technical data



FTXS-EV1B

**Wall Mounted,
Inverter Controlled Unit**

air conditioning systems

Split Sky Air

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FTXS-EV1B

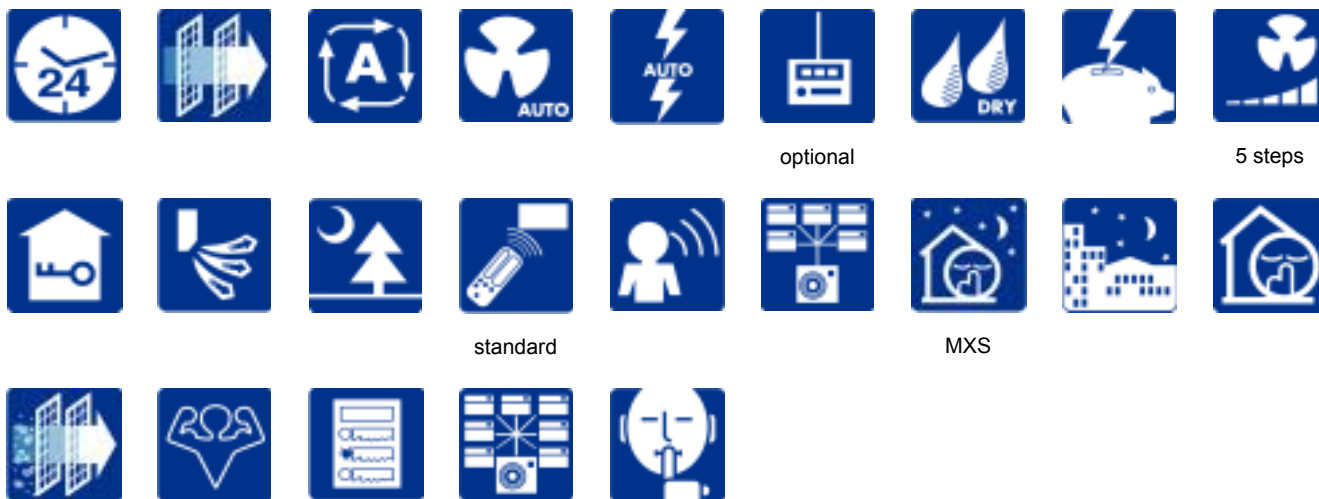
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1 Features

- Compact&stylish
- Flat front panel: its stylish appearance blends easily within any interior décor and is more easy to clean.
- Lightweight and compact
- The movement sensor saves power consumption in unoccupied rooms
- The home leave operation saves energy during absence
- Auto-swing function ensures efficient air and temperature distribution.
- 3D-air flow (50,60,71 class only)
- Powerful mode can be selected for rapid cooling or heating
- Air purification filter: deodorises the air and helps to prevent bacterial and viral propagation
- The photocatalytic deodorising air filter: powerfully decomposes cigarette and pet odours, removes house dust and pollen and deactivates bacteria and viruses
- Indoor unit silent operation: "Silent" button on the remote control lowers the operation sound of the indoor unit by 3dB(A).
- Up to 5 indoor units can be connected to 1 Multi outdoor unit. All indoor units are individually controllable with remote control and do not need to be installed in the same room or at the same time. They operate simultaneously within the same cooling mode
- Daikin remote controls give you easy control at your fingertips.
- The remote control has a 24-hour timer
- Up to 5 indoor units can be operated from a single centralised control
- The indoor unit also has a start/stop button mounted on the front panel
- Purpose-designed holder provided for your remote control



1



2 Specifications

2-1 FOR INDOOR UNITS ONLY			FTXS50EV1B	FTXS60EV1B	FTXS71EV1B
Nominal Input	Cooling	kW	0.034	0.040	0.045
	Heating	kW	0.036	0.045	0.050

2-2 TECHNICAL SPECIFICATIONS				FTXS50EV1B		FTXS60EV1B		FTXS71EV1B	
Casing	Colour			White					
Dimensions	Packing	Height	mm	366		366		366	
		Width	mm	1147		1147		1147	
		Depth	mm	337		337		337	
	Unit	Height	mm	290		290		290	
		Width	mm	1050		1050		1050	
		Depth	mm	238		238		238	
Weight	Unit		kg	12.0		12.0		12.0	
	Packed Unit		kg	17.0		17.0		17.0	
Heat Exchanger	Dimensions	Length	mm	863		863		863	
		Nr of Rows		2		2		2	
		Fin Pitch	mm	1.40		1.40		1.40	
		Nr of Stages		16		16		16	
	Tube type			Hi-XA (7)					
	Fin	Type		ML fin (Multi louver)					
Fan	Type			Cross flow fan					
Air Flow Rate	Cooling	High	m³/min	14.7		16.2		17.4	
		Medium	m³/min	12.4		13.6		14.6	
		Low	m³/min	10.3		11.4		11.6	
		Silent Operation	m³/min	9.5		10.2		10.6	
	Heating	High	m³/min	16.1		17.4		19.7	
		Medium	m³/min	13.9		15.1		16.6	
		Low	m³/min	11.5		12.7		13.5	
		Silent Operation	m³/min	10.2		11.4		12.1	
Fan	Motor	Quantity		1		1		1	
		Model		ARW30R8P43DA					
		Number of steps		5 steps, silent and auto					
Motor	Speed (cooling)	High	rpm	1240		1330		1410	
		Medium	rpm	1090		1170		1220	
		Low	rpm	930		1010		1040	
		Silent Operation	rpm	860		920		950	
	Speed (heating)	High	rpm	1270		1360		1520	
		Medium	rpm	1120		1200		1310	
		Low	rpm	960		1040		1100	
		Silent Operation	rpm	870		950		1000	
Fan	Motor	Output (high)	W	43		43		43	
Cooling	Sound Power	High	dBA	59.0		61.0		63.0	
	Sound Pressure	High	dBA	43.0		45.0		46.0	
		Medium	dBA	39.0		41.0		42.0	
		Low	dBA	34.0		36.0		37.0	
		Silent Operation	dBA	31.0		33.0		34.0	
Heating	Sound Power	High	dBA	58.0		60.0		63.0	
	Sound Pressure	High	dBA	42.0		44.0		46.0	
		Medium	dBA	38.0		40.0		42.0	
		Low	dBA	33.0		35.0		37.0	
		Silent Operation	dBA	30.0		32.0		34.0	
Refrigerant	Type			R-410A					

2 Specifications

2-2 TECHNICAL SPECIFICATIONS				FTXS50EV1B	FTXS60EV1B	FTXS71EV1B
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.4	6.4
	Gas	Diameter (OD)	mm	12.7	12.7	15.9
	Drain	Diameter (OD)	mm	18	18	18
	Heat Insulation			Both liquid and gas pipes		
Air Filter				Removable/washable/Mildew proof		
Air direction control				Left, right, up and downwards		
Temperature control				Microcomputer control		
Standard Accessories	Item			Installation manual		
	Quantity			1	1	1
	Item			Operation manual		
	Quantity			1	1	1
	Item			Infrared remote control		
	Quantity			1	1	1
	Item			Indoor unit fixing screws		
	Quantity			2	2	2
	Item			Batteries		
	Quantity			2	2	2
	Item			Titanium apatite photocatalytic air purification filter		
	Quantity			2	2	2
	Item			Remote control holder		
	Quantity			1	1	1
	Item			Mounting plate		
	Quantity			1	1	1
Notes				Sound values are measured in an anechoic room.		
				Sound pressure level is a relative value, depending on the distance and acoustic environment. For more details, please refer to sound level drawings of this chapter.		
				The sound power level is an absolute value indicating the power which a sound source generates.		

2-3 ELECTRICAL SPECIFICATIONS				FTXS50EV1B		FTXS60EV1B		FTXS71EV1B	
Power Supply	Name			V1					
	Phase			1		1		1	
	Frequency		Hz	50		50		50	
	Voltage		V	220-240					
Current	Nominal running current (RLA)	Cooling	A	0.15		0.18		0.20	
		Heating	A	0.16		0.20		0.22	
Wiring connections	For Power Supply	Quantity		3		3		3	
		Remark		4 for interunit wiring (included earth wiring)					
Voltage range	Minimum			-10%					
	Maximum			+10%					
Power Supply Intake				Outdoor unit only					

3 Options

FTK/XS-C/E		20	25	35	50	60	71
Option name							
Wiring adapter for time clock / remote control (1)	Normal open contact	KRP413A1S					
	Normal open pulse contact	KRP413A1S					
Centralised control board	1 up to 5 rooms (2)	KRC72					
Central remote control		DCS302C51					
Unified ON/OFF control		DCS301B51					
Schedule timer		DST301B51					
Interface adapter (3)		KRP928A2S					
Air purification filter with photocatalytic deodorising function (with frame)		KAF918A43					
Air purification filter with photocatalytic deodorising function (without frame)		KAF918A44					
Anti-theft protection for remote control		KKF917AA4					

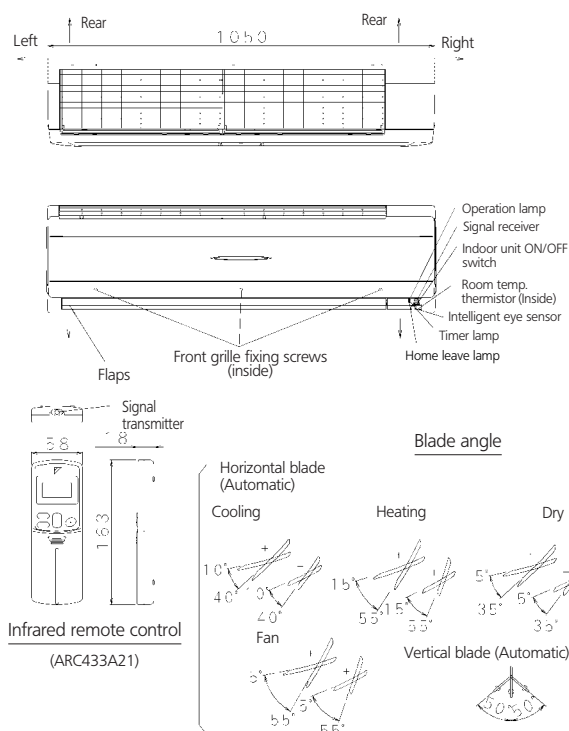
(1) Wiring adapter is also required for each indoor unit.
 (2) Wiring adapter supplied by Daikin. Time clock and other devices: field supply.
 (3) Interface adapter for room air conditioners (DIII-NET)

4 Dimensional drawing & centre of gravity

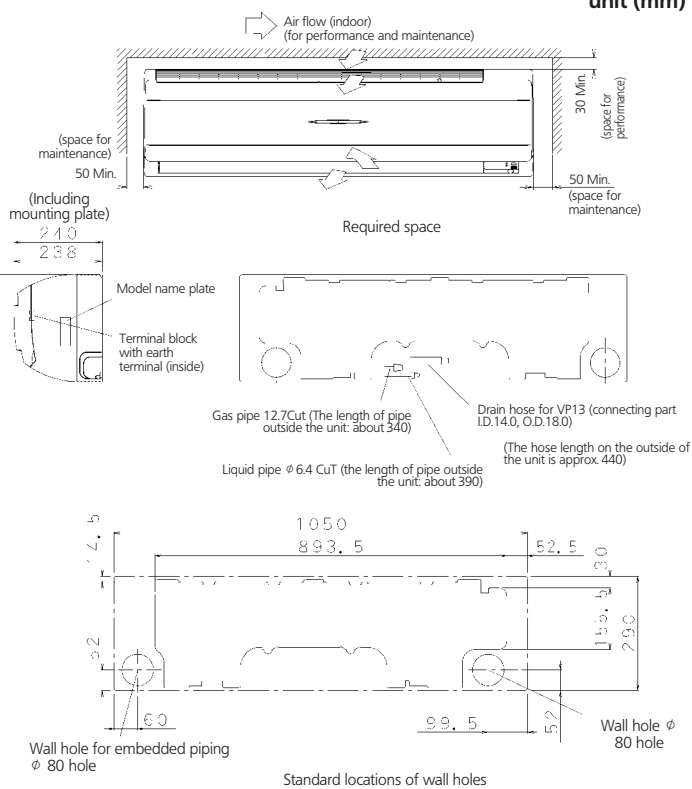
4 - 1 Dimensional drawing

FTXS50-60E

The mark (→) shows piping direction



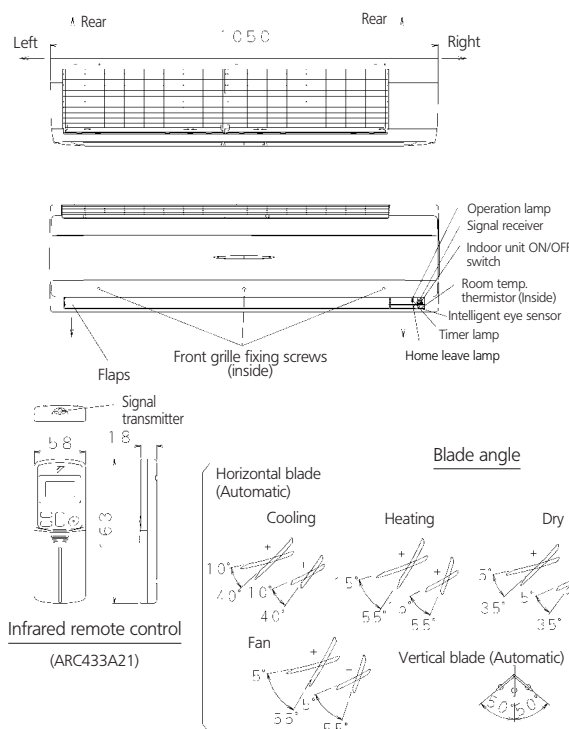
unit (mm)



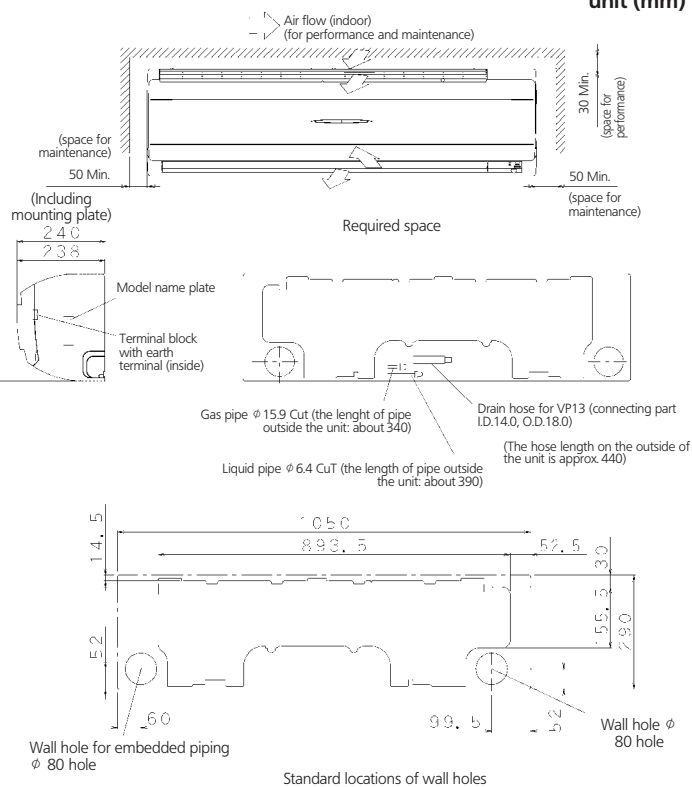
3D051706

FTXS71E

The mark (→) shows piping direction



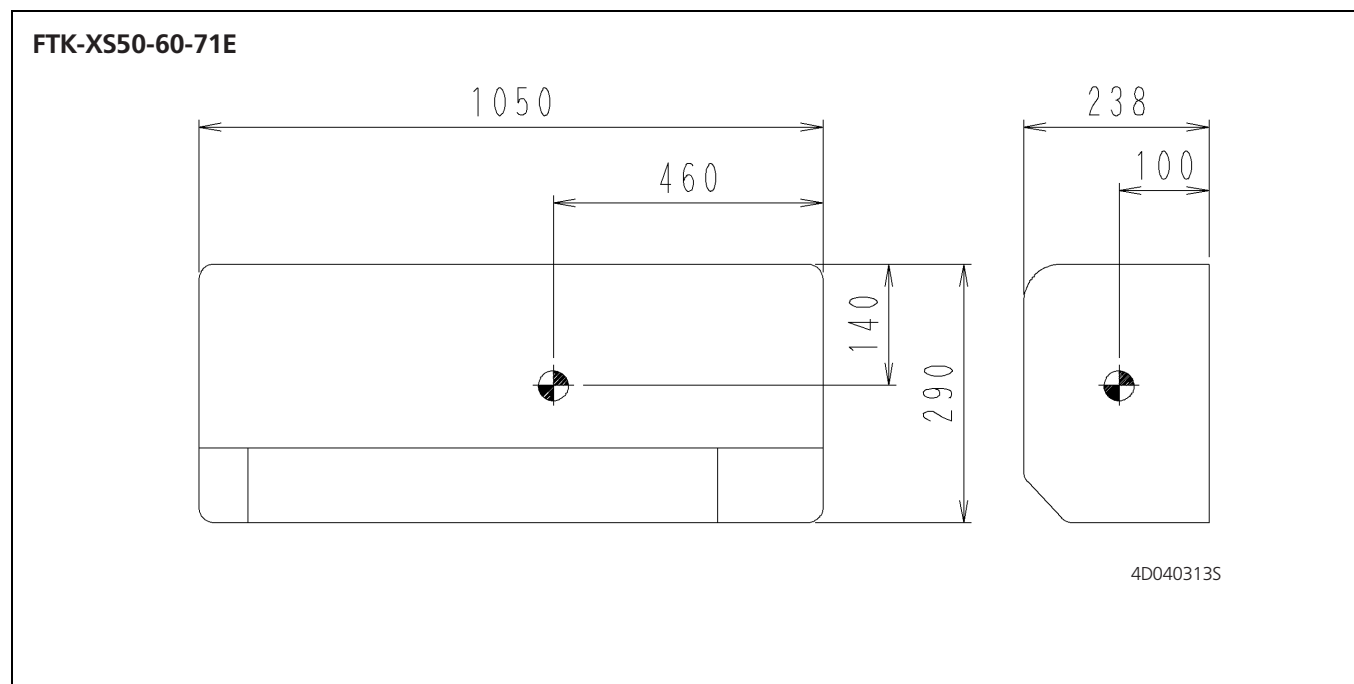
unit (mm)



3D051707

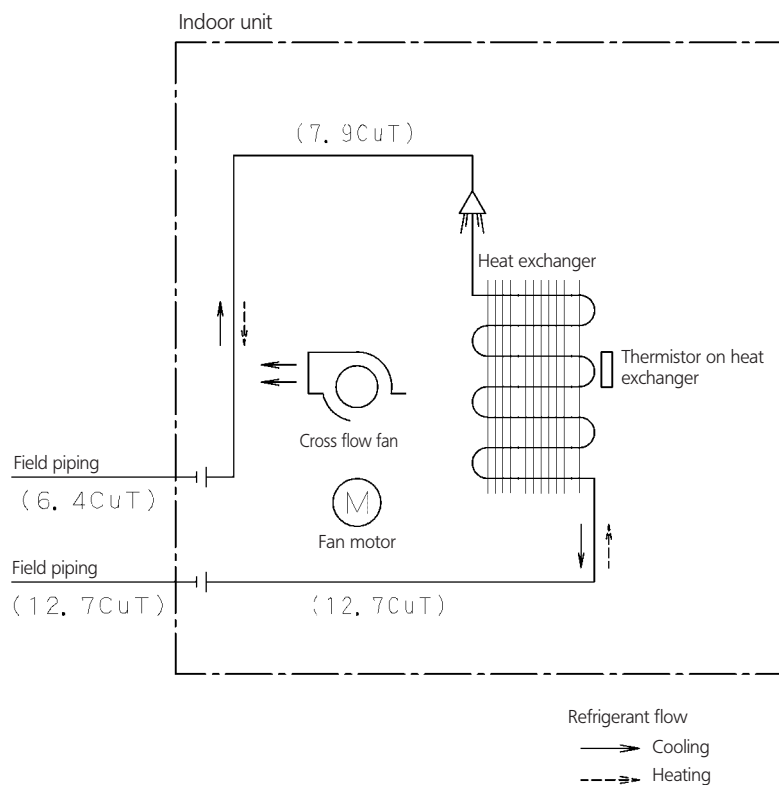
4 Dimensional drawing & centre of gravity

4 - 2 Centre of gravity



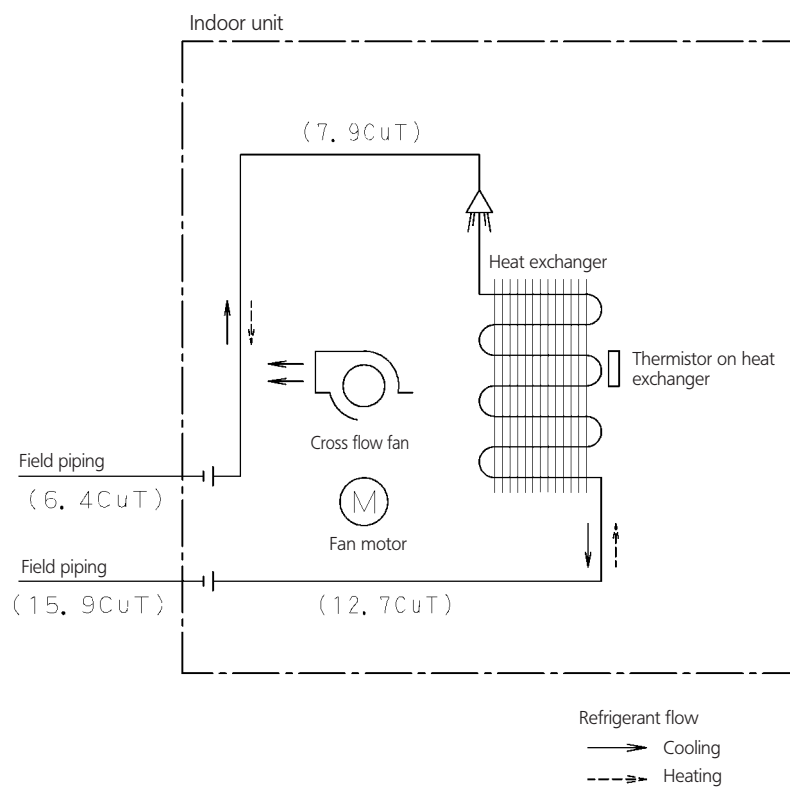
5 Piping diagram

FTK-XS50-60E



4D040081L

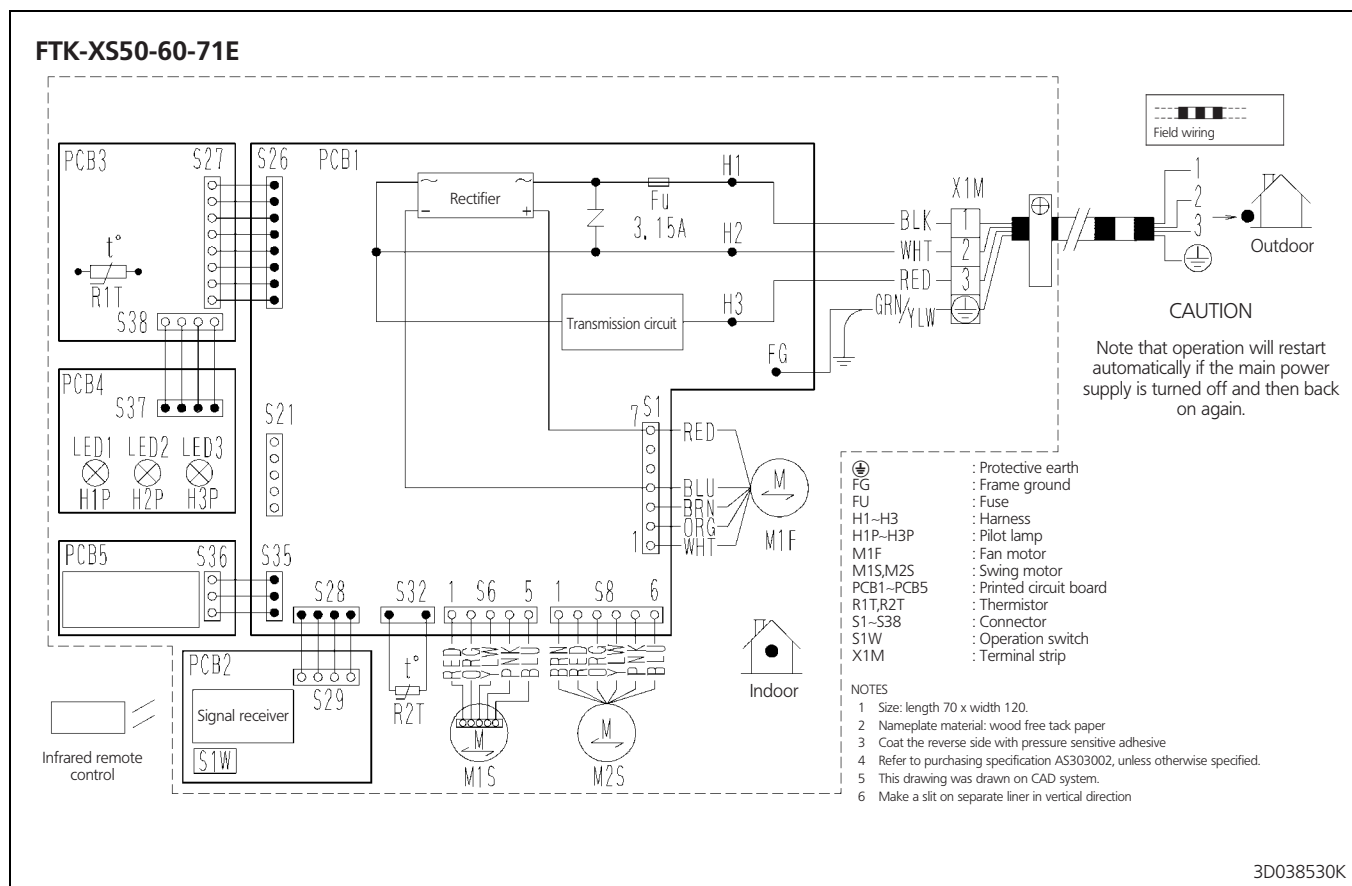
FTXS71E



4D040082M

6 Wiring diagram

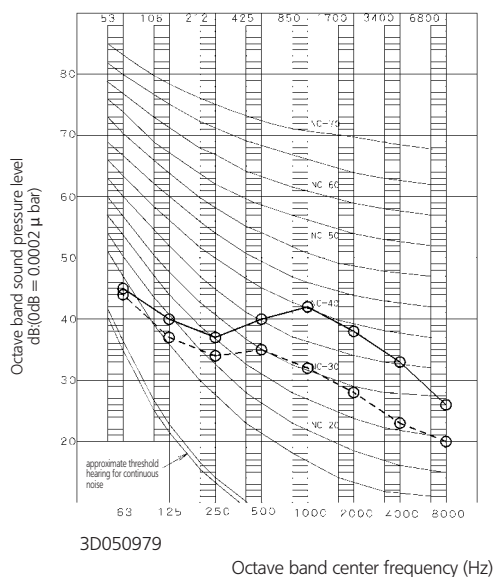
6 - 1 Wiring diagram



7 Sound data

7 - 1 Sound pressure spectrum

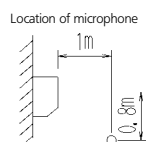
FTXS50E (Cooling)



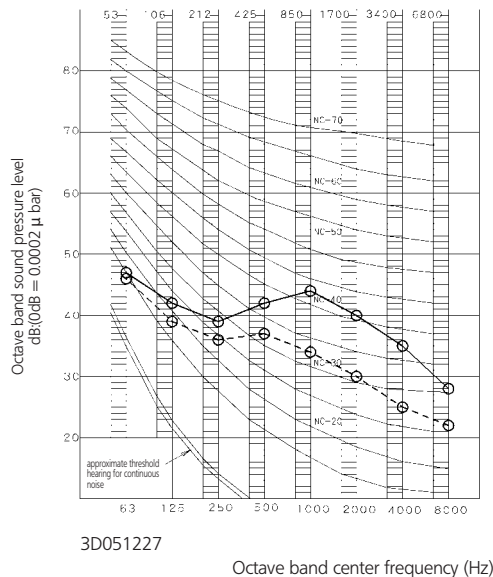
NOTE

- Operation noise differs with operation and ambient conditions.

Legend
 ○—○ 50Hz 220-240V(H)
 ○- -○ 50Hz 220-240V(L)



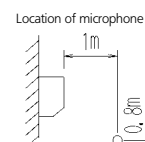
FTXS60E (Cooling)



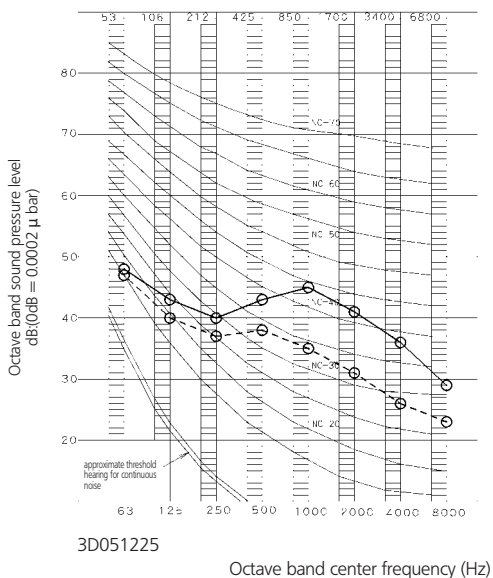
NOTE

- Operation noise differs with operation and ambient conditions.

Legend
 ○—○ 50Hz 220-240V(H)
 ○- -○ 50Hz 220-240V(L)



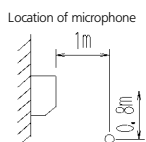
FTXS71E (Cooling)



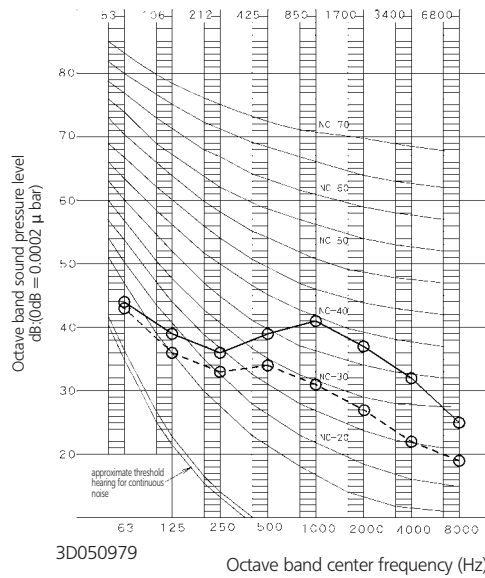
NOTE

- Operation noise differs with operation and ambient conditions.

Legend
 ○—○ 50Hz 220-240V(H)
 ○- -○ 50Hz 220-240V(L)



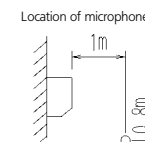
FTXS50E (Heating)



NOTE

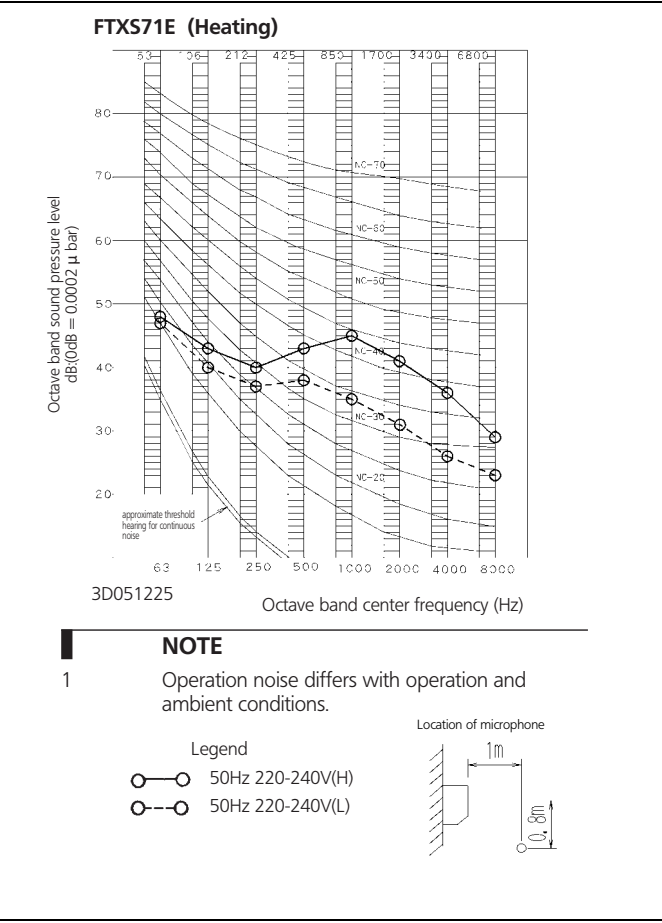
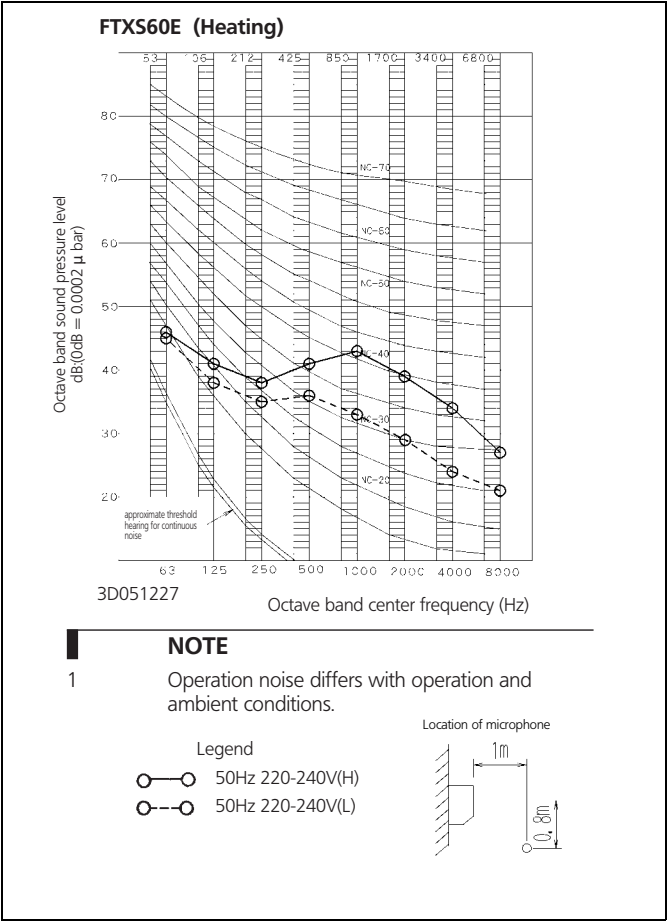
- Operation noise differs with operation and ambient conditions.

Legend
 ○—○ 50Hz 220-240V(H)
 ○- -○ 50Hz 220-240V(L)



7 Sound data

7 - 1 Sound pressure spectrum



Split - Sky Air

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