

technical data



FTKS-EV1B

**Wall Mounted,
Inverter Controlled Unit**

air conditioning systems

Split Sky Air

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FTKS-EV1B

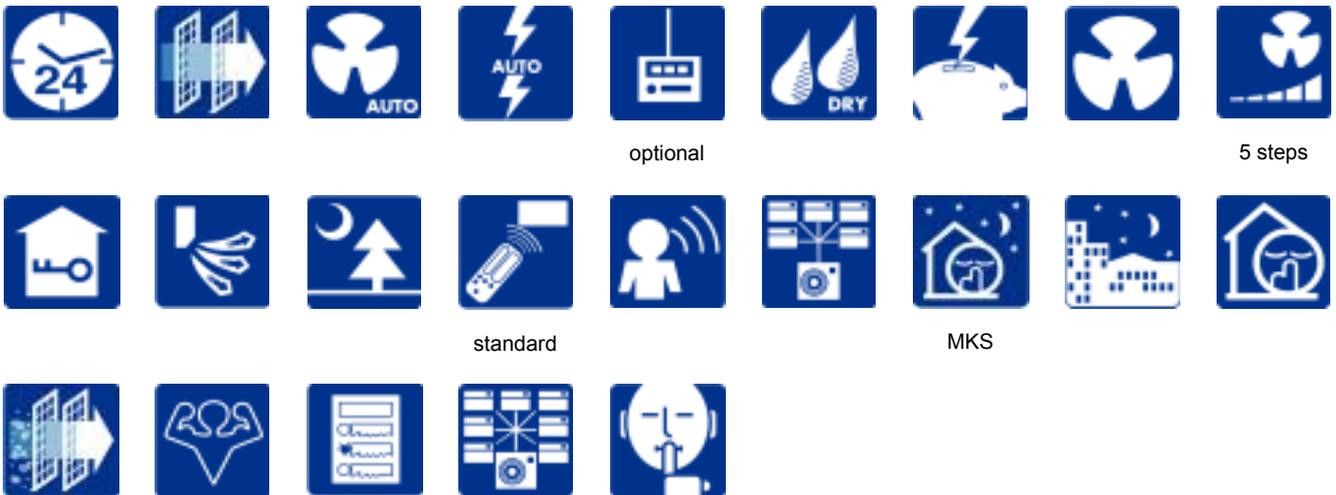
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1 Features

- 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
- 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
- Easy to install
- Daikin remote controls give you easy control at your fingertips.
- The remote control has a 24-hour timer
- The indoor unit also has a start/stop button mounted on the front panel
- Up to 5 indoor units can be operated from a single centralised control
- Purpose-designed holder provided for your remote control



1



2 Specifications

2-1 FOR INDOOR UNITS ONLY			FTKS50EV1B	FTKS60EV1B	FTKS71EV1B
Nominal Input	Cooling	kW	0.034	0.040	0.045

2-2 TECHNICAL SPECIFICATIONS				FTKS50EV1B	FTKS60EV1B	FTKS71EV1B	
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	m ³ /min	14.7	16.2	17.4	
		Medium	m ³ /min	12.4	13.6	14.6	
		Low	m ³ /min	10.3	11.4	11.6	
		Silent Operation	m ³ /min	9.5	10.2	10.6	
		Fan		Motor	Quantity	1	1
			Model	ARW30R8P43DA	ARW30R8P43DA	ARW30R8P430A	
			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	
		Fan	Motor	Output (high)	W	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
Refrigerant	Type			R-410A			
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.35	6.35	6.35	
	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						

2 Specifications

2-2 TECHNICAL SPECIFICATIONS		FTKS50EV1B	FTKS60EV1B	FTKS71EV1B
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				FTKS50EV1B	FTKS60EV1B	FTKS71EV1B
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
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
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

FTKS50-60E

The mark (→) shows piping direction

Left Rear Right

Operation lamp
Signal receiver
Indoor unit ON/OFF switch
Room temp. thermistor (Inside)
Intelligent eye sensor
Timer lamp
Home leave lamp

Flaps
Front grille fixing screws (inside)

Signal transmitter

Infrared remote control (ARC433A22)

Blade angle

Horizontal blade (Automatic)
Cooling
Fan

Vertical blade (Automatic)
Dry

unit (mm)

→ Air flow (indoor) (for performance and maintenance)

(space for maintenance) 50 Min.

30 Min. (space for performance)

50 Min. (space for maintenance)

(Including mounting plate) 240 238

Required space

Model name plate

Terminal block with earth terminal (inside)

Gas pipe 12.7 Cut (The length of pipe outside the unit: about 340)

Drain hose for VP13 (connecting part ID.14.0, O.D.18.0)

(The hose length on the outside of the unit is approx. 440)

Liquid pipe ϕ 6.4 CuT (the length of pipe outside the unit: about 390)

1050 893.5 52.5 30 15.5 29.0 60 99.5 60

Wall hole ϕ 80 hole

Wall hole for embedded piping ϕ 80 hole

Standard locations of wall holes

3D051710

4

FTKS71E

The mark (→) shows piping direction

Left Rear Right

Operation lamp
Signal receiver
Indoor unit ON/OFF switch
Room temp. thermistor (Inside)
Intelligent eye sensor
Timer lamp
Home leave lamp

Flaps
Front grille fixing screws (inside)

Signal transmitter

Infrared remote control (ARC433A22)

Blade angle

Horizontal blade (Automatic)
Cooling
Fan

Vertical blade (Automatic)
Dry

unit (mm)

→ Air flow (indoor) (for performance and maintenance)

(space for maintenance) 50 Min.

30 Min. (space for performance)

50 Min. (space for maintenance)

(Including mounting plate) 240 238

Required space

Model name plate

Terminal block with earth terminal (inside)

Gas pipe ϕ 15.9 Cut (the length of pipe outside the unit: about 340)

Drain hose for VP13 (connecting part ID.14.0, O.D.18.0)

(The hose length on the outside of the unit is approx. 440)

Liquid pipe ϕ 6.4 CuT (the length of pipe outside the unit: about 390)

1050 893.5 52.5 30 15.5 29.0 60 99.5 60

Wall hole ϕ 80 hole

Wall hole for embedded piping ϕ 80 hole

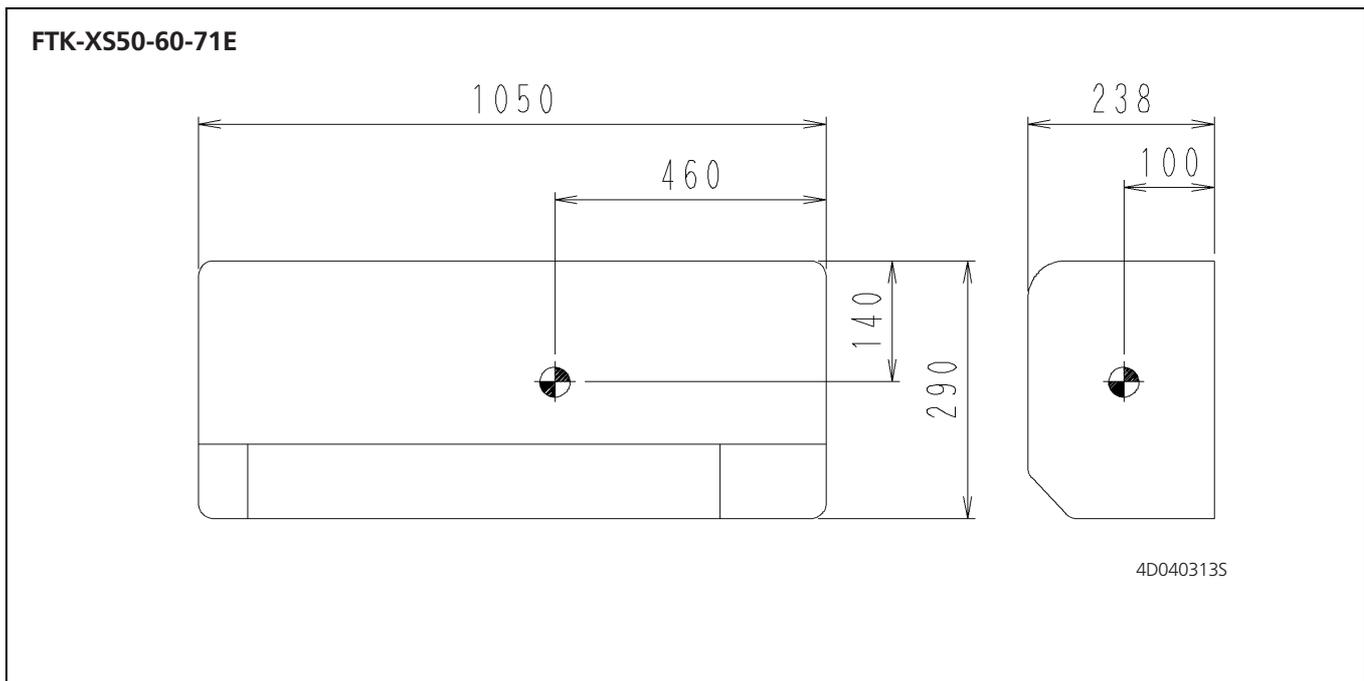
Standard locations of wall holes

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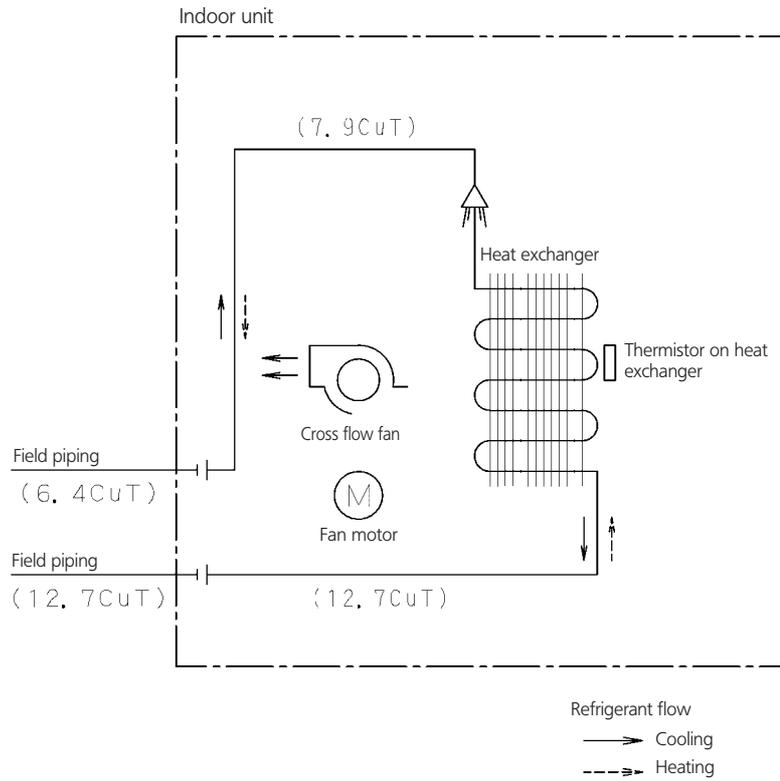
4 Dimensional drawing & centre of gravity

4 - 2 Centre of gravity



5 Piping diagram

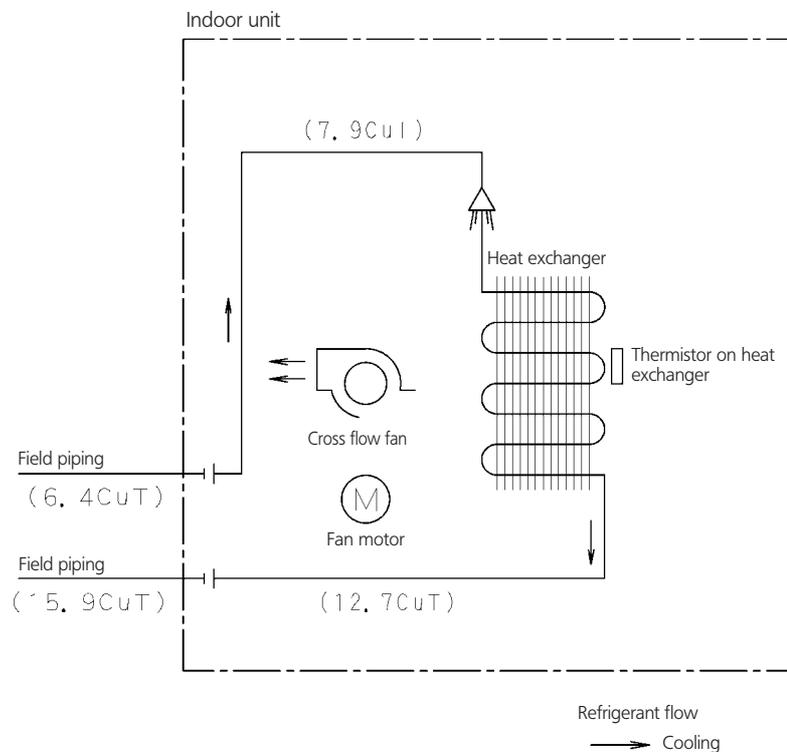
FTK-XS50-60E



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FTKS71E

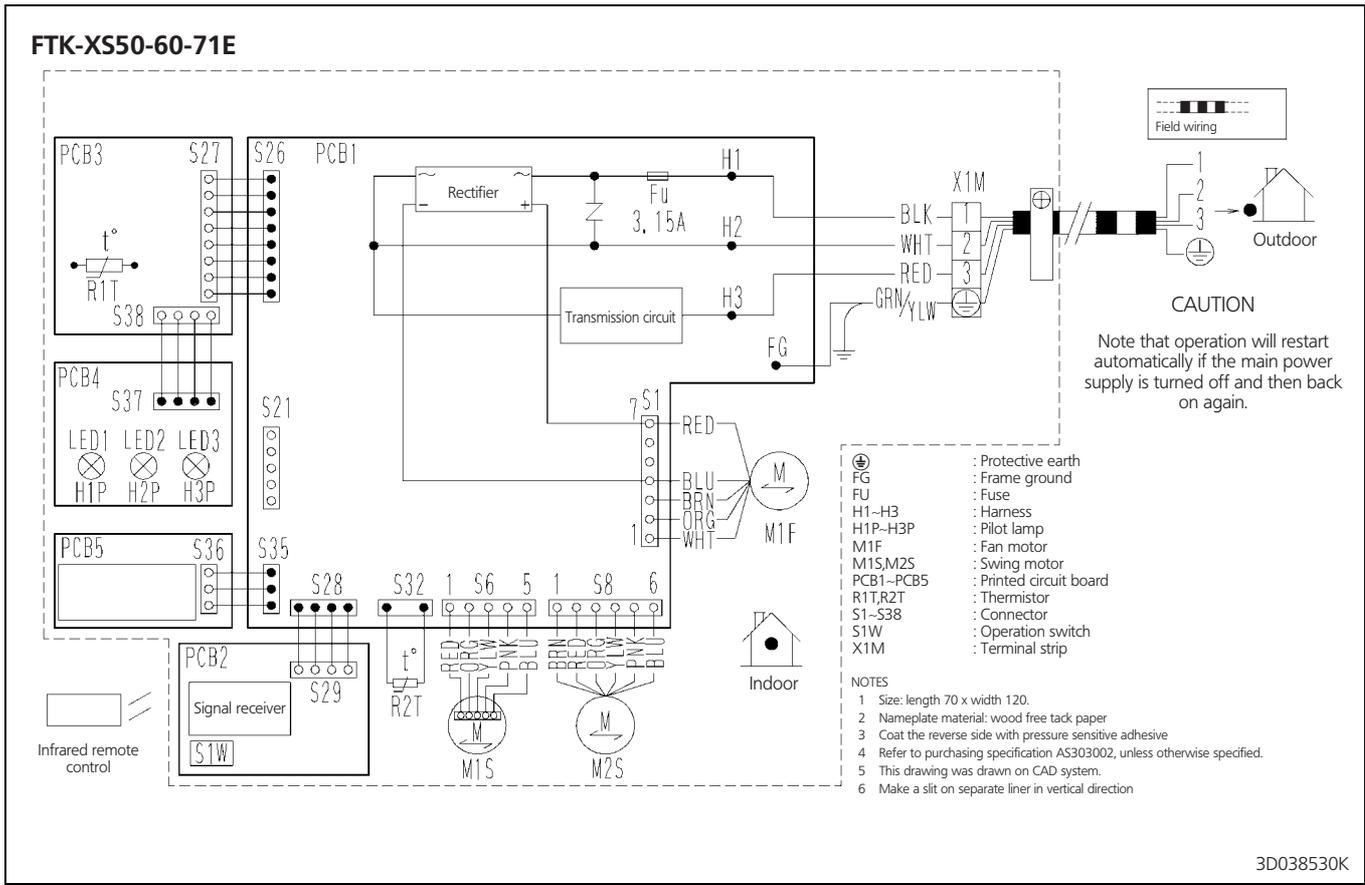


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6 Wiring diagram

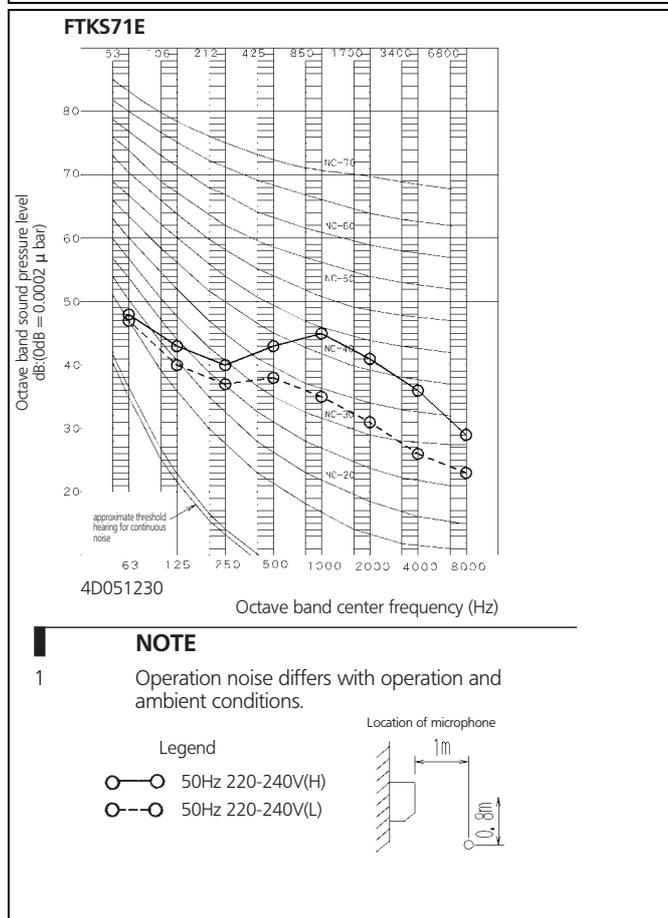
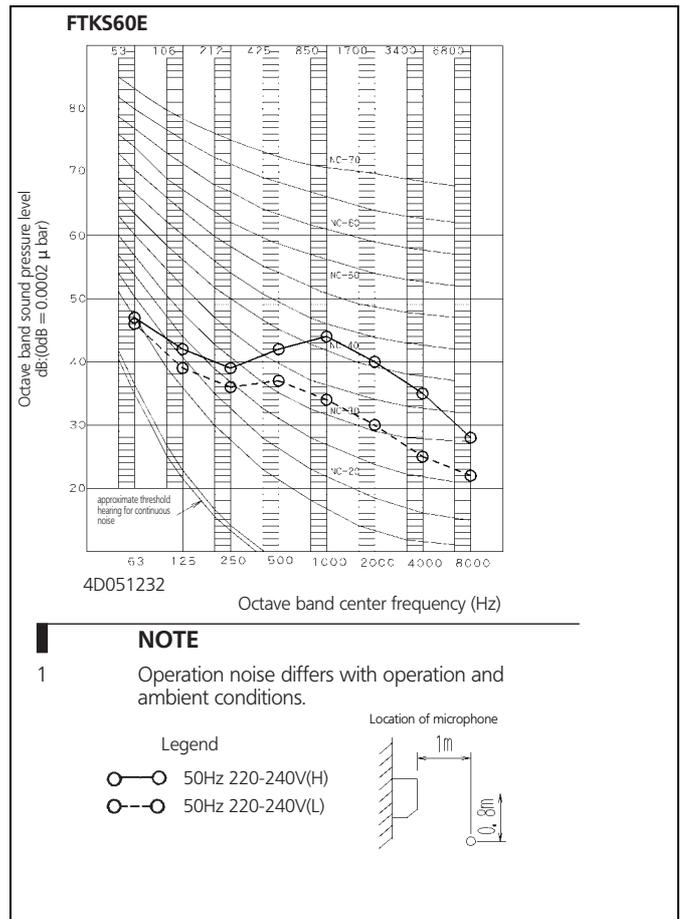
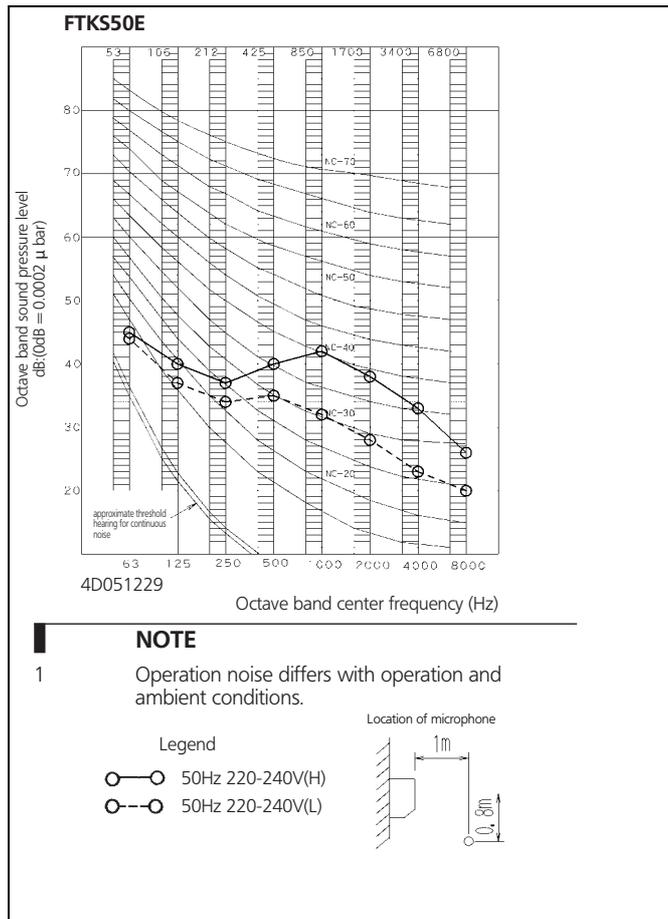
6 - 1 Wiring diagram



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7 Sound data

7 - 1 Sound pressure spectrum



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Split - Sky Air

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