

technical data



FDKS-CVMB

**Concealed ceiling,
Inverter Controlled Unit**

air conditioning systems

Split
Sky Air

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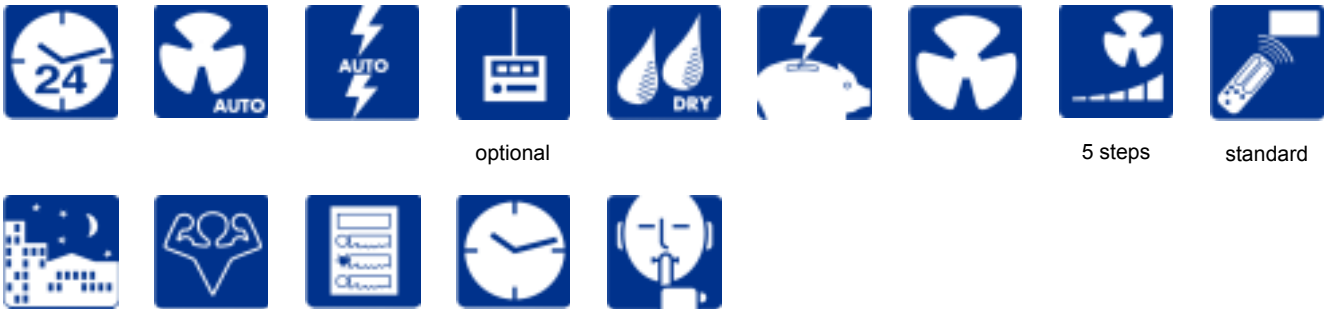
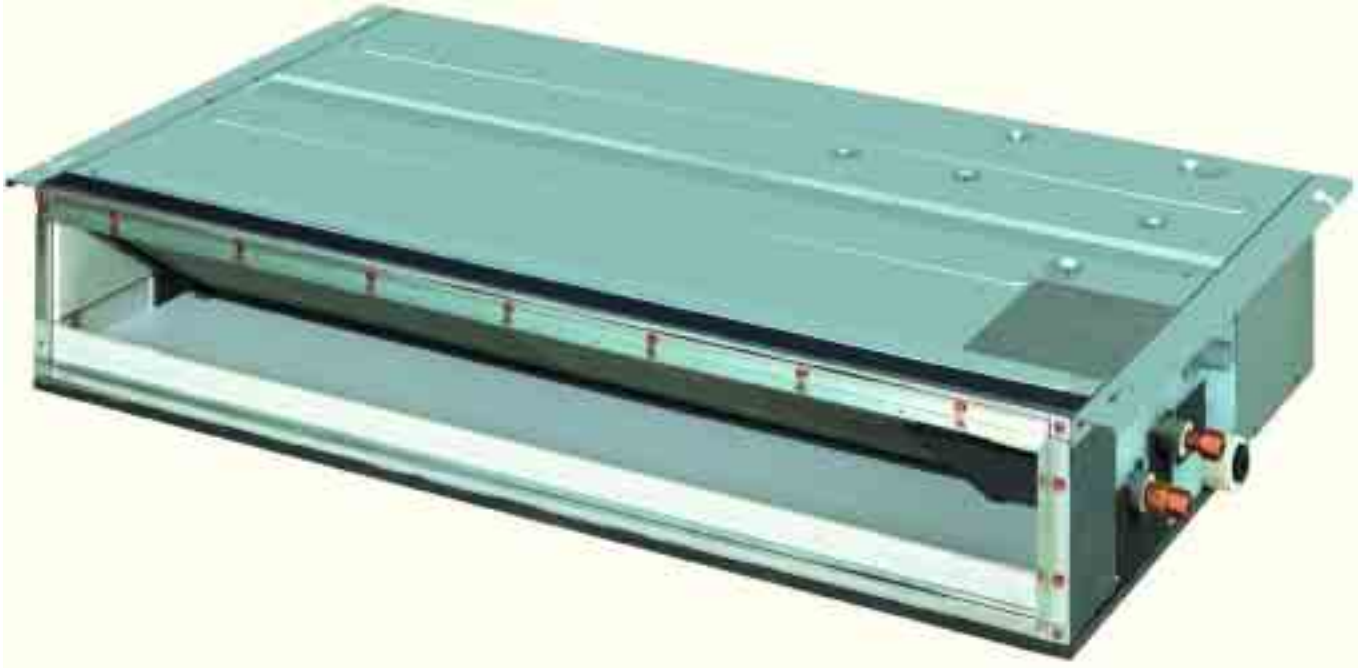
FDKS-CVMB

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1 Features

- Extremely quiet in operation
- You have the choice out of 3 fan speeds to select
- Daikin's special dry programme reduces humidity in the room without variation in room temperature
- Powerful mode can be selected for rapid cooling
- Night set mode saves energy by preventing overcooling or overheating during night time
- Standard suction filter: removes airborne dust particles to ensure a steady supply of clean air
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Daikin remote controls give you easy control at your fingertips.

1



optional

5 steps

standard

2 Specifications

2-1 FOR INDOOR UNITS ONLY			FDKS50CVMB	FDKS60CVMB
Nominal Input	Cooling	kW	0.140	0.160

2-2 TECHNICAL SPECIFICATIONS				FDKS50CVMB	FDKS60CVMB	
Dimensions	Packing	Height	mm	266	266	
		Width	mm	1106	1306	
		Depth	mm	751	751	
	Unit	Height	mm	20	200	
		Width	mm	900	1100	
		Depth	mm	620	620	
Weight	Unit	kg	27.0	30.0		
	Packed Unit	kg	34.0	37.0		
Heat Exchanger	Dimensions	Length	mm	700	900	
		Nr of Rows		3	2	
		Fin Pitch	mm	1.50	1.50	
		Nr of Stages		12	12	
	Tube type	Hi-XSS (7)				
Fin	Type	ML fin (Multi louver)				
Fan	Type	Sirocco fan				
Air Flow Rate	Cooling	High	m ³ /min	12.0	16.0	
		Medium	m ³ /min	11.0	14.8	
		Low	m ³ /min	10.0	13.5	
		Silent Operation	m ³ /min	8.4	11.2	
Fan	Max	Standard	Pa	40	40	
	Motor	Quantity		1	1	
		Model	130J-23			
		Number of steps	5 steps, silent and auto			
Motor	Speed (cooling)	High	rpm	1270	1280	
		Medium	rpm	1180	1160	
		Low	rpm	1080	1040	
		Silent Operation	rpm	930	890	
Fan	Motor	Output (high)	W	130	130	
Cooling	Sound Power	High	dBA	55.0	56.0	
		Sound Pressure	High	dBA	37.0	38.0
			Medium	dBA	35.0	36.0
			Low	dBA	33.0	34.0
			Silent Operation	dBA	31.0	32.0
Refrigerant	Type	R-410A				
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.4	6.4	
	Gas	Diameter (OD)	mm	12.7	12.7	
	Drain	Diameter (OD)	mm	I.D. 20/O.D. 26		
	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

2-2 TECHNICAL SPECIFICATIONS			FDKS50CVMB	FDKS60CVMB
Standard Accessories	Item		Installation manual	
	Quantity		1 pc	
	Item		Operation manual	
	Quantity		1 pc	
	Item		Infrared remote control	
	Quantity		1 pc	
	Item		Batteries	
	Quantity		2 pcs	
	Item		Remote control holder	
	Quantity		1 pc	
	Item		Fixing screw for remote control	
	Quantity		2 pcs	
	Item		Signal receiver cover kit	
	Quantity		1 set	
	Item		Insulation for fitting	
	Quantity		1 set	
	Item		Sealing pad	
	Quantity		1 set	
	Item		Clamp metal	
	Quantity		1 pc	
	Item		Drain hose	
	Quantity		1 pc	
	Item		Washer for hanger bracket	
	Quantity		8 pcs	
	Item		Sealing material	
	Quantity		2 pcs	
Item		Clamps		
Quantity		6 pcs		
Item		Washer fixing plate		
Quantity		4 pcs		
Item		Screws for duct flanges		
Quantity		1 set		
Item		Air filter		
Quantity		1 pc		
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				FDKS50CVMB	FDKS60CVMB
Power Supply	Name			VM	
	Phase			1	1
	Frequency		Hz	50/60	
	Voltage		V	220-240/220-230	
Current	Nominal running current (RLA)	Cooling	A	0.64	0.74
Wiring connections	For Power Supply	Quantity	3	3	
		Remark	4 for interunit wiring (included earth wiring)		
Voltage range	Minimum			-10%	
	Maximum			+10%	
Power Supply Intake			Outdoor unit only		

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3 Dimensional drawing & centre of gravity

3 - 1 Dimensional drawing

FDK/XS50C unit (mm)

Top view dimensions: 860 (width), 670 (height), 300 or more (Service space), 300 (Suspension bolt pitch), 80 (depth), 22-φ4.7 Hole (all around), 2P130-300.

Side view dimensions: 670 (height), 300 (Suspension bolt pitch), 80 (depth).

Front view dimensions: 860 (width), 670 (height), 300 (Suspension bolt pitch), 80 (depth), 22-φ4.7 Hole (all around), 2P130-300.

Notes:

- In case of back-suction, mount chamber cover to bottom side of the unit.
- In case of bottom-suction, mount chamber cover to back side of the unit.
- Location of unit's name plate: control box cover. (unit: mm).
- Mount the air filter at the suction side. (select its colorimethod (gravity method) 50% or more). It can not be equipped with air filter (accessory) when connecting duct to suction side.
- Pipe specification

FDX(K)S50 φ 12.7 (Flare connection)

3D045486D

FDK/XS60C unit (mm)

Top view dimensions: 1180 (width), 670 (height), 300 or more (Service space), 300 (Suspension bolt pitch), 80 (depth), 26-φ4.7 Hole (all around), 6P150-1800.

Side view dimensions: 670 (height), 300 (Suspension bolt pitch), 80 (depth).

Front view dimensions: 1180 (width), 670 (height), 300 (Suspension bolt pitch), 80 (depth), 26-φ4.7 Hole (all around), 6P150-1800.

Notes:

- In case of back-suction, mount chamber cover to bottom side of the unit.
- In case of bottom-suction, mount chamber cover to back side of the unit.
- Location of unit's name plate: control box cover. (unit: mm).
- Mount the air filter at the suction side. (select its colorimethod (gravity method) 50% or more). It can not be equipped with air filter (accessory) when connecting duct to suction side.
- Pipe specification

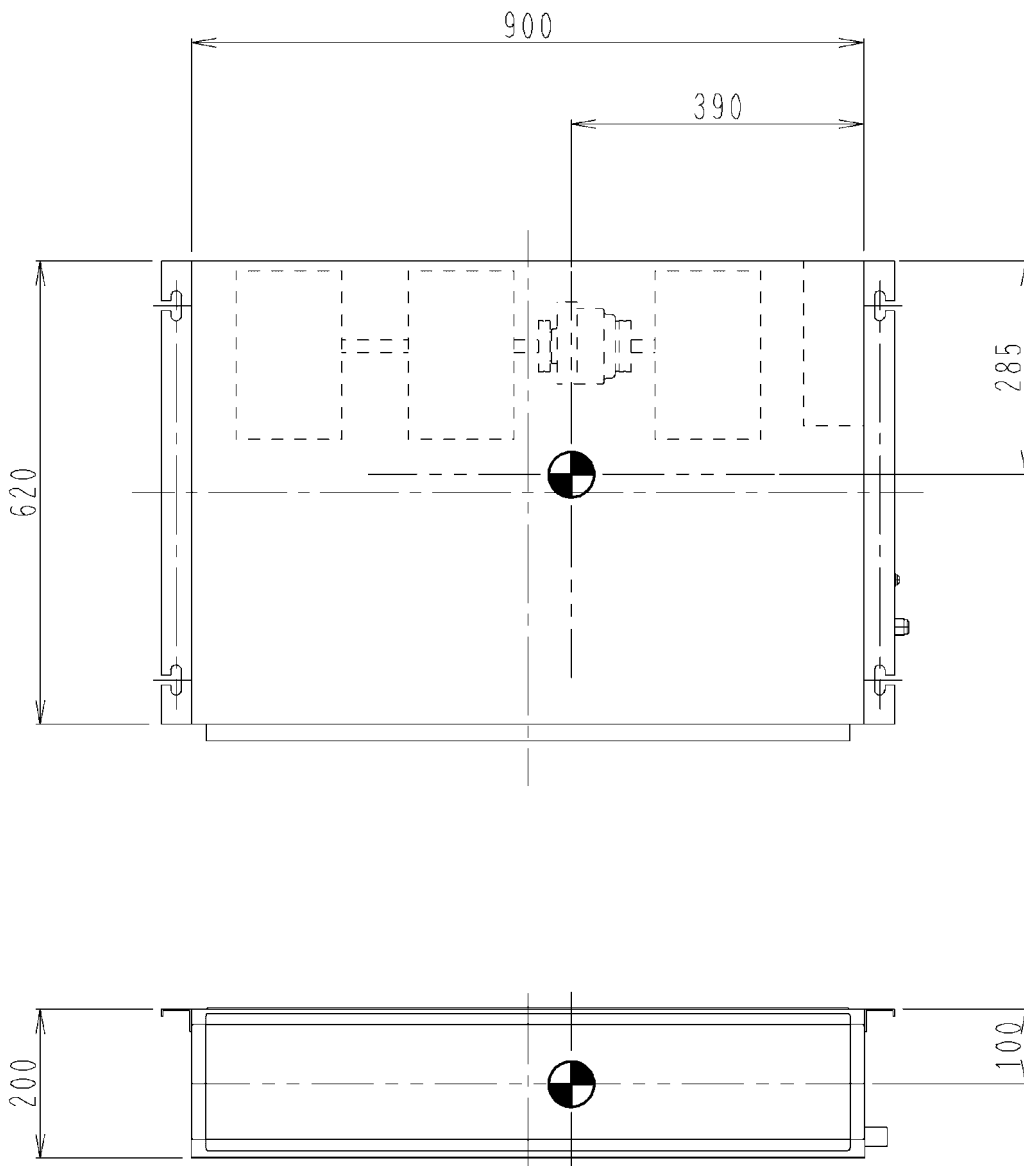
FDX(K)S60 φ 12.7 (Flare connection)

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3 Dimensional drawing & centre of gravity

3 - 2 Centre of gravity

FDK/XS50C

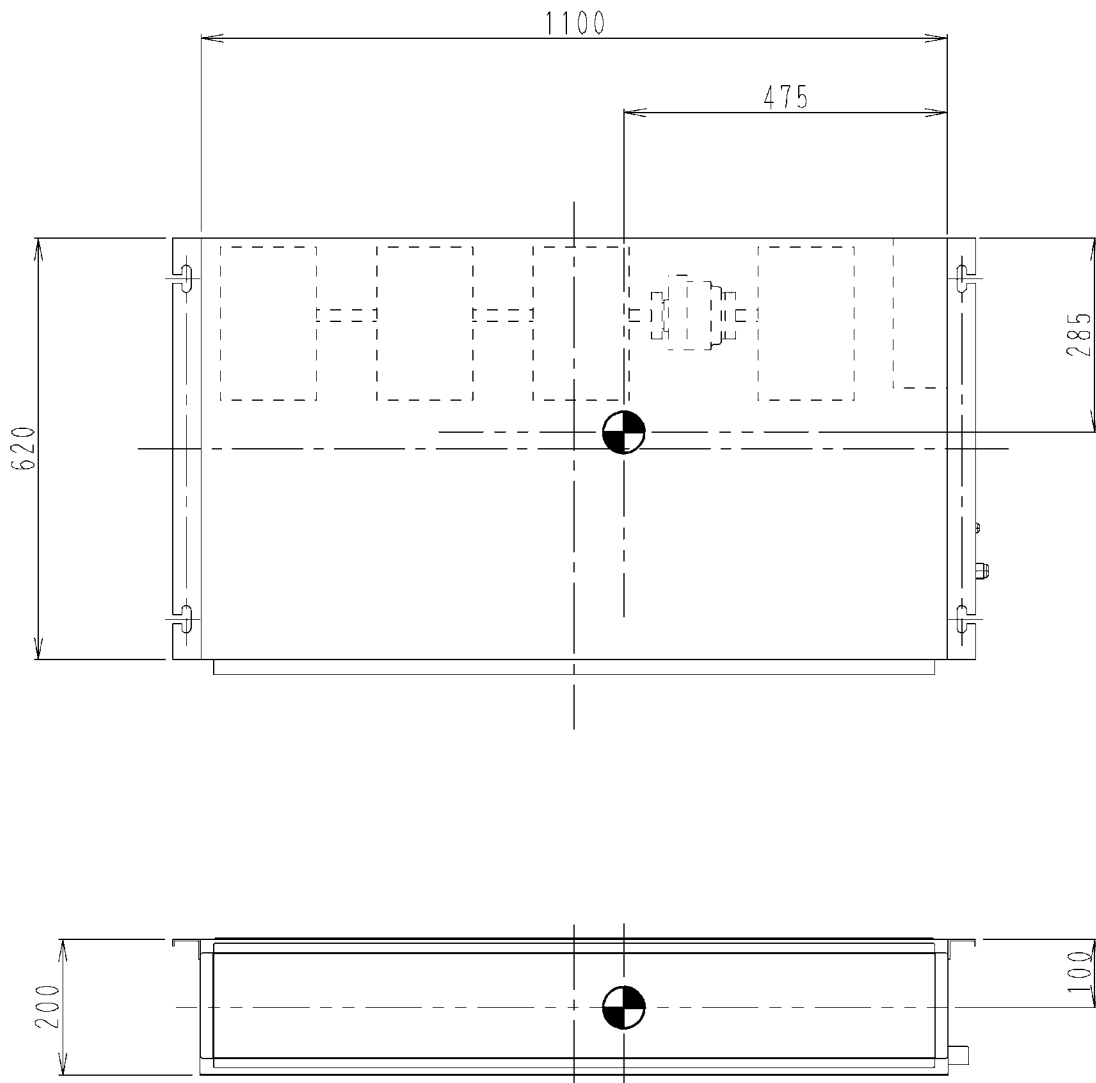


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3 Dimensional drawing & centre of gravity

3 - 2 Centre of gravity

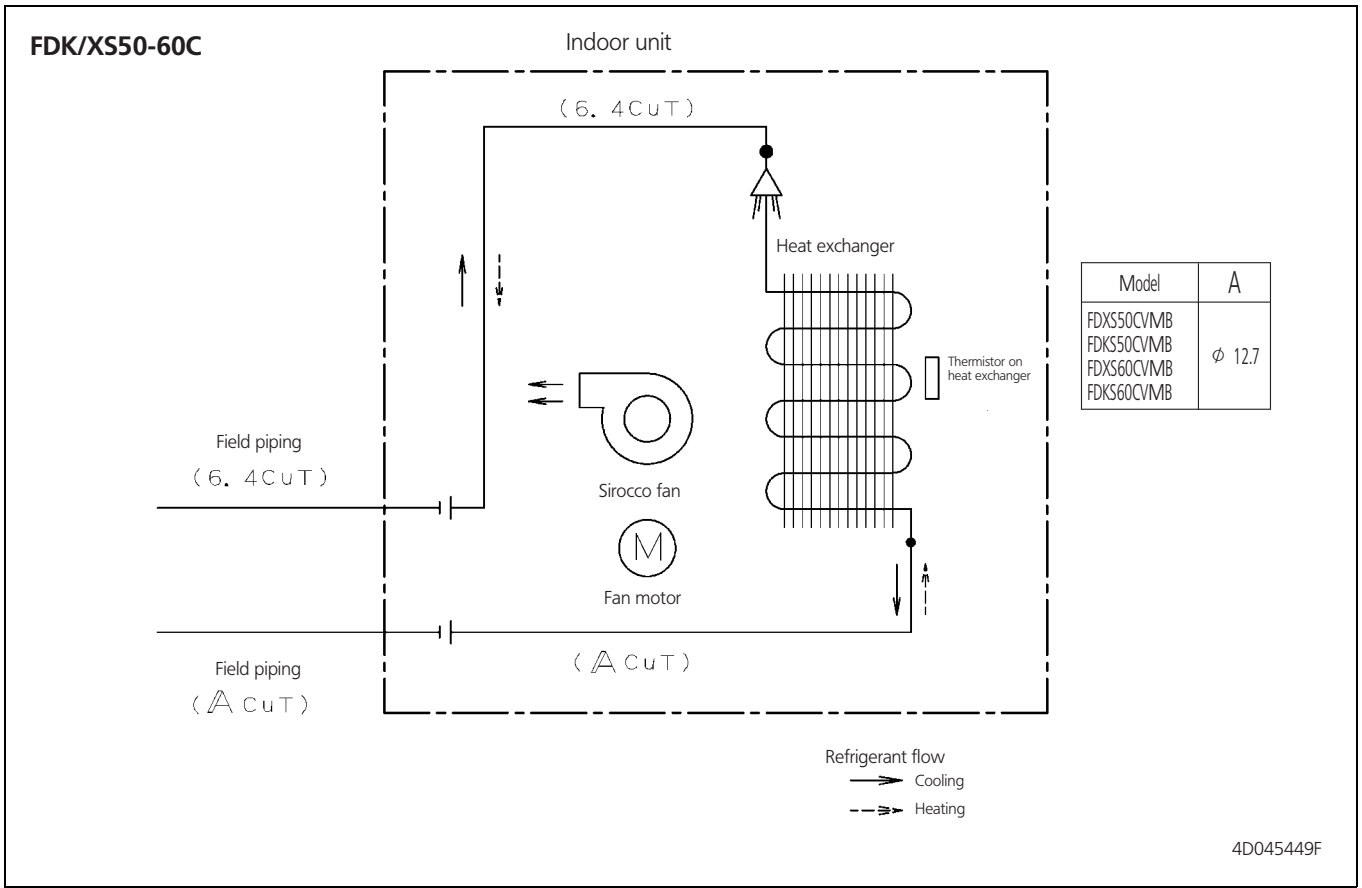
FDK/XS60C



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4 Piping diagram

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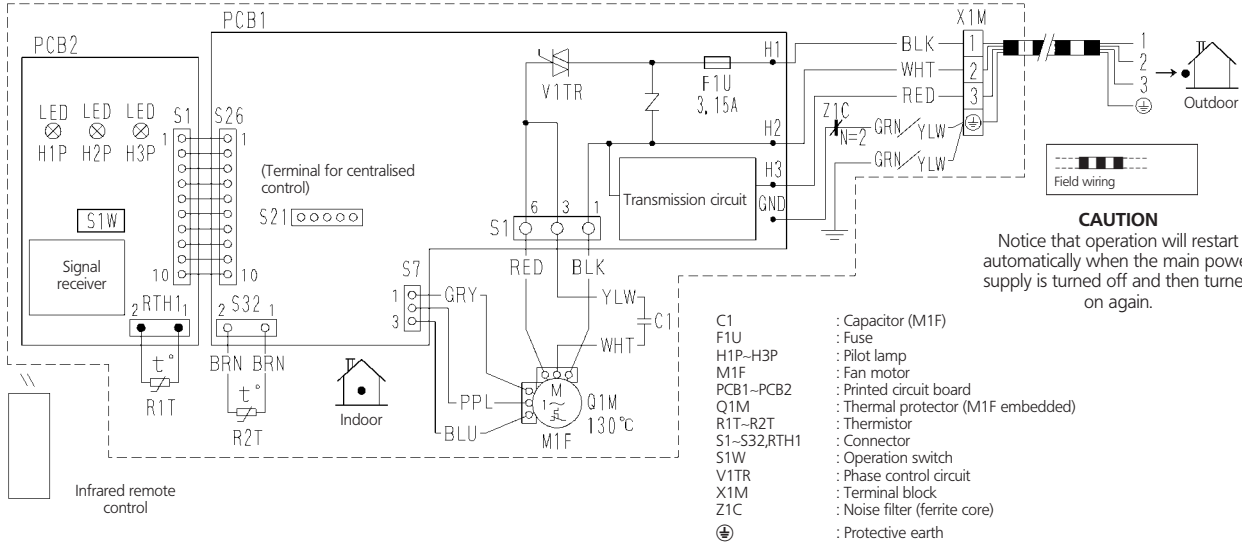


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5 Wiring diagram

5 - 1 Wiring diagram

FDK/XS50-60C



NOTES

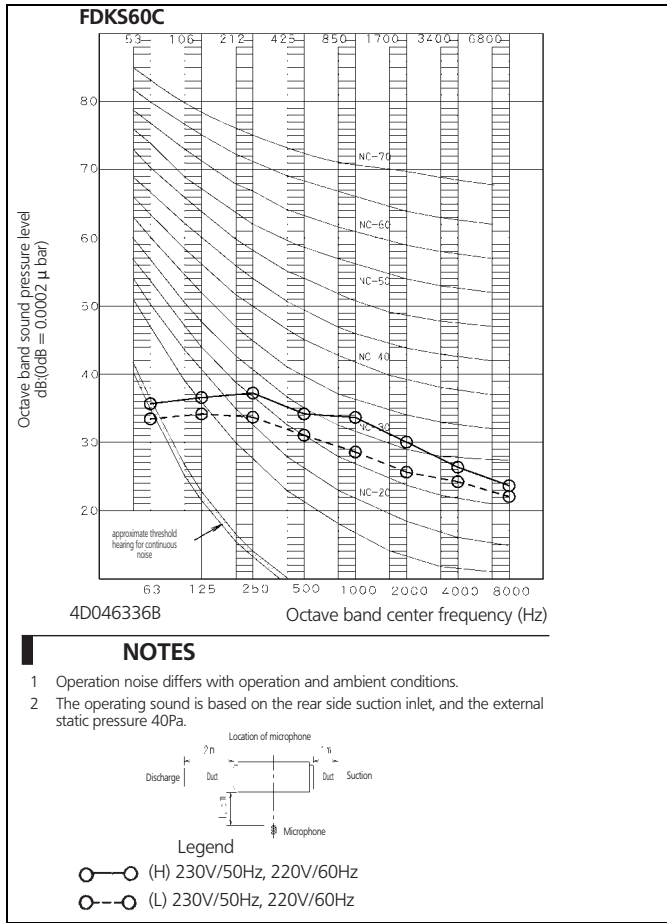
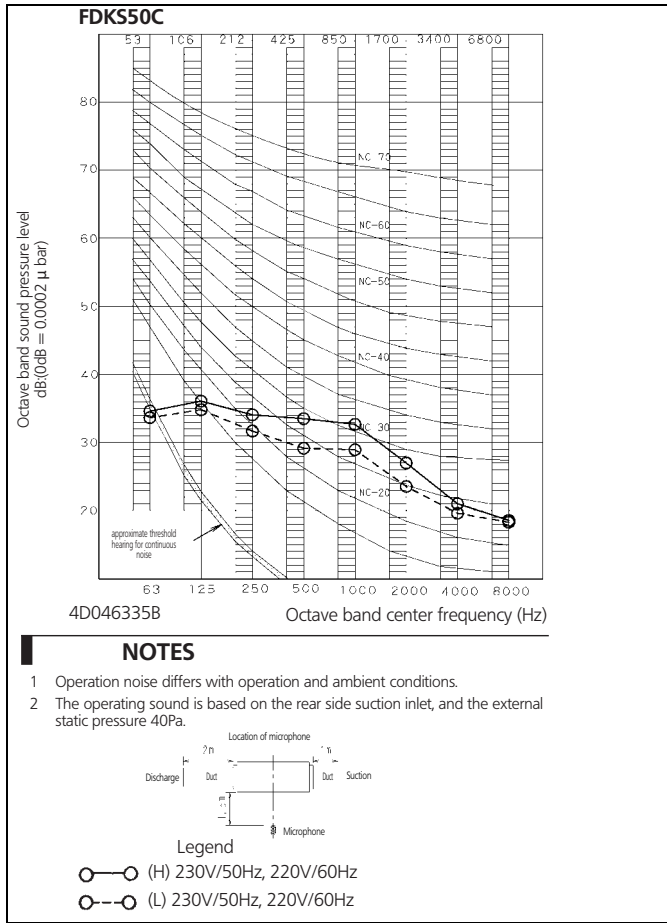
- 1 Size: length 60 x width 125.
- 2 Nameplate material: wood free tack paper
- 3 Coat the reverse side with pressure sensitive adhesive
- 4 Refer to purchasing specification AS303002, unless otherwise specified.
- 5 This drawing was drawn on CAD system.
- 6 Make a slit on separate liner in vertical direction

3D045012G

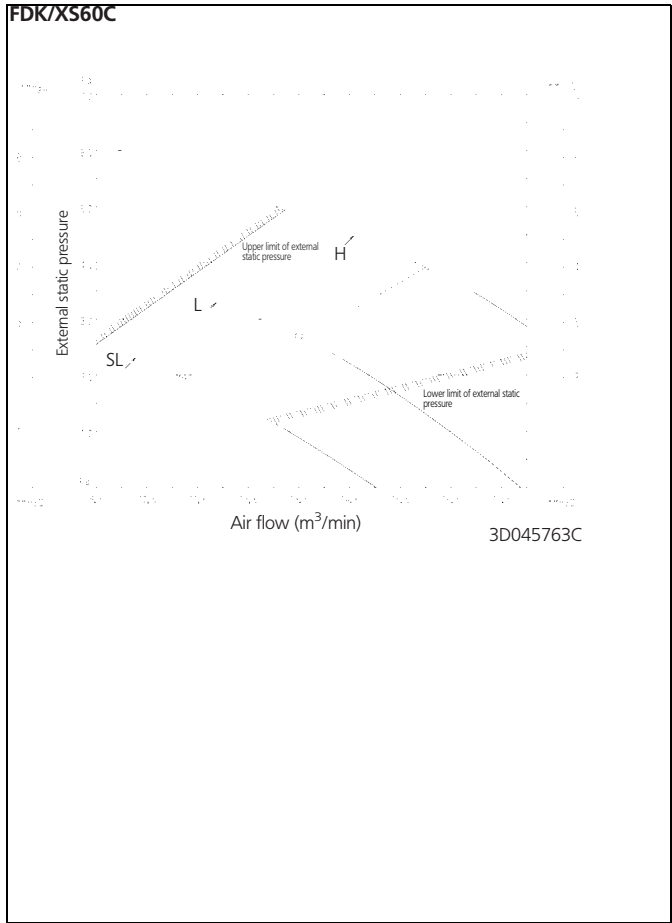
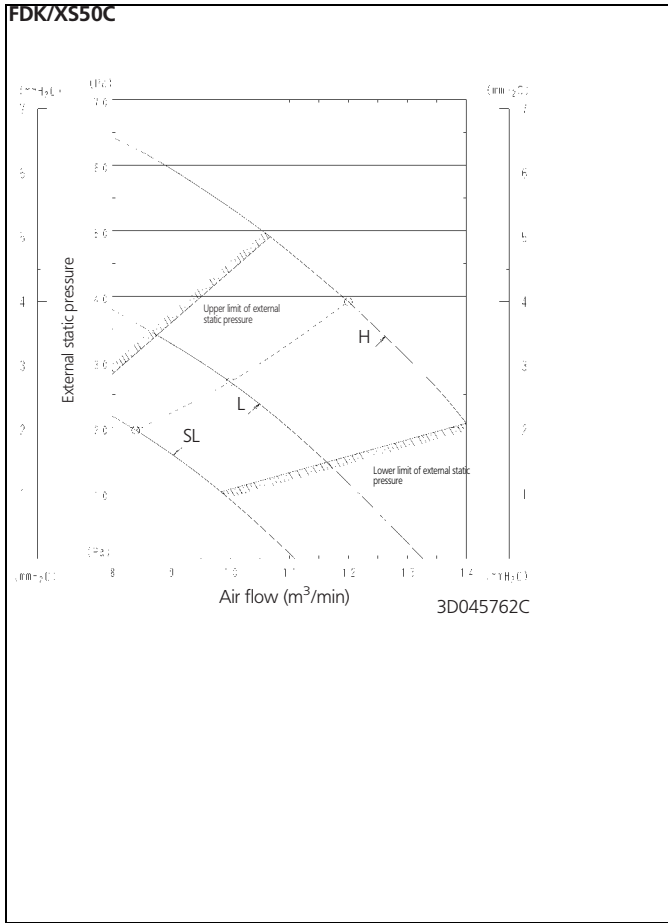
6 Sound data

6 - 1 Sound pressure spectrum

6



7 Fan characteristics



7 Fan characteristics

7

Split - Sky Air

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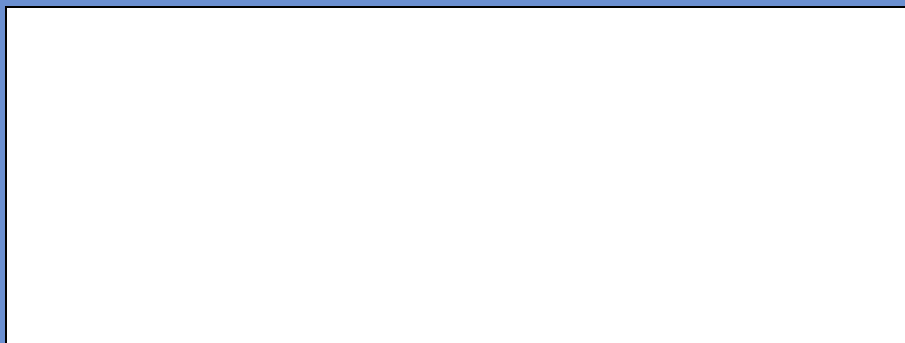
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