

technical data



FVKS-BAVMB

**Floor Standing,
Inverter Controlled Unit**

air conditioning systems

Split Sky Air

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FVKS-BAVMB

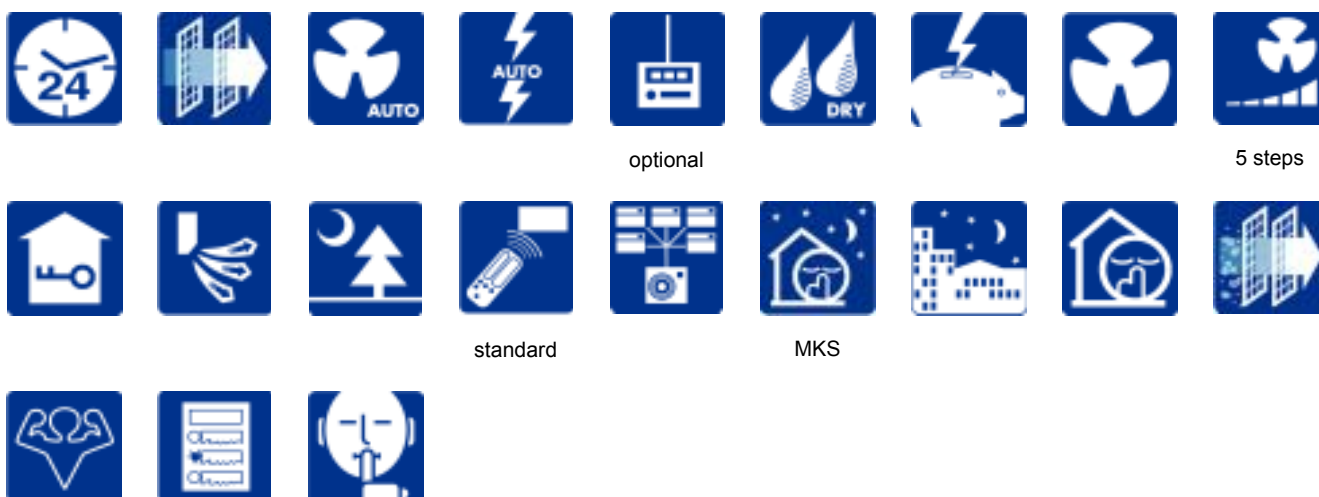
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1 Features

- Compact&stylish
- Lightweight and compact
- Can be used as a floor standing or lower wall application. As a floor standing model, it can be semi-recessed or fully recessed without loss of capacity.
- A double horizontal air outlet ensures uniform air flow and temperature distribution
- The home leave operation saves energy during absence
- 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
- Powerful mode can be selected for rapid cooling
- Washable front panel
- Indoor unit silent operation: "Silent" button on the remote control lowers the operation sound of the indoor unit by 3dB(A).
- Easy to install
- Up to 4 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 m
- 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



optional

5 steps

standard

MKS

2 Specifications

2-1 FOR INDOOR UNITS ONLY			FVKS25BAVMB	FVKS35BAVMB	FVKS50BAVMB
Nominal Input	Cooling	kW	0.032	0.032	0.055

2-2 TECHNICAL SPECIFICATIONS				FVKS25BAVMB	FVKS35BAVMB	FVKS50BAVMB
Casing	Colour			Almond white		
Dimensions	Packing	Height	mm	714	714	714
		Width	mm	770	770	770
		Depth	mm	294	294	294
	Unit	Height	mm	600	600	600
		Width	mm	650	650	650
		Depth	mm	195	195	195
Weight	Unit		kg	13.0	13.0	13.0
	Packed Unit		kg	19.0	19.0	19.0
Heat Exchanger	Dimensions	Length	mm	458	458	458
		Nr of Rows		2	2	2
		Fin Pitch	mm	1.30	1.30	1.30
		Nr of Stages		20	20	20
	Tube type		Tube (7)			
	Fin	Type	Slit fin			
Fan	Type			Cross flow fan		
	Quantity			2	2	2
Air Flow Rate	Cooling	High	m³/min	8.10	8.30	10.80
		Medium	m³/min	6.20	6.30	9.20
		Low	m³/min	4.30	4.30	7.70
		Silent Operation	m³/min	3.4	3.4	6.7
Fan	Motor	Quantity		1	1	1
		Model		D14A-34		
		Number of steps		5 steps, silent and auto	5 steps, silent and auto	5, silent and auto
Motor	Speed (cooling)	High	rpm	1100	1120	1290
		Medium	rpm	900	930	1140
		Low	rpm	700	740	990
		Silent Operation	rpm	600	640	890
Fan	Motor	Output (high)	W	14	14	14
		Quantity		1	1	1
		Model		D14B-34		
Motor	Speed (cooling)	High	rpm	1180	1200	1380
		Medium	rpm	960	990	1220
		Low	rpm	740	780	1060
		Silent Operation	rpm	630	670	950
Fan	Motor	Output (high)	W	14	14	14
Cooling	Sound Power	High	dBA	54.0	55.0	56.0
	Sound Pressure	High	dBA	38.0	39.0	44.0
		Medium	dBA	32.0	33.0	40.0
		Low	dBA	26.0	27.0	36.0
		Silent Operation	dBA	23.0	24.0	33.0
Refrigerant	Type			R-410A		
Piping connections	Liquid (OD)	Diameter (OD)	mm	6.4	6.4	6.35
	Gas	Diameter (OD)	mm	9.5	9.5	12.7
	Drain	Diameter (OD)	mm	18	18	20
	Heat Insulation			Both liquid and gas pipes		
Air Filter				Removable/washable/Mildew proof		
Air direction control				Left, right, up and downwards		

2 Specifications

2-2 TECHNICAL SPECIFICATIONS		FVKS25BAVMB	FVKS35BAVMB	FVKS50BAVMB
Temperature control		Microcomputer control		
Standard Accessories	Item	Installation and operation manual		
	Quantity	1	1	1
	Item	Infrared remote control		
	Quantity	1	1	1
	Item	Batteries		
	Quantity	2	2	2
	Item	Remote control holder	Remote control holder	Air purification filter
	Quantity	1	1	1
	Item	Air purification filter	Air purification filter	Heat insulation tube (refrigerant pipe)
	Quantity	1	1	1
	Item	Heat insulation tube (refrigerant pipe)	Heat insulation tube (refrigerant pipe)	Photocatalytic deodorizing filter
	Quantity	1	1	1
	Item	Photocatalytic deodorizing filter	Photocatalytic deodorizing filter	Protection bush
	Quantity	1	1	2
	Item	Protection bush	Protection bush	Clamp metal
	Quantity	2	2	4
	Item	Clamp metal	Clamp metal	Drain hose
	Quantity	4	4	1
	Item	Drain hose	Drain hose	Remote control holder
	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				FVKS25BAVMB	FVKS35BAVMB	FVKS50BAVMB
Power Supply	Name			VM		
	Phase			1	1	1
	Frequency	Hz		50	50	50/60
	Voltage		V	230	230	220-240/220-230
Current	Nominal running current (RLA)	Cooling	A	0.140	0.140	0.260
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		

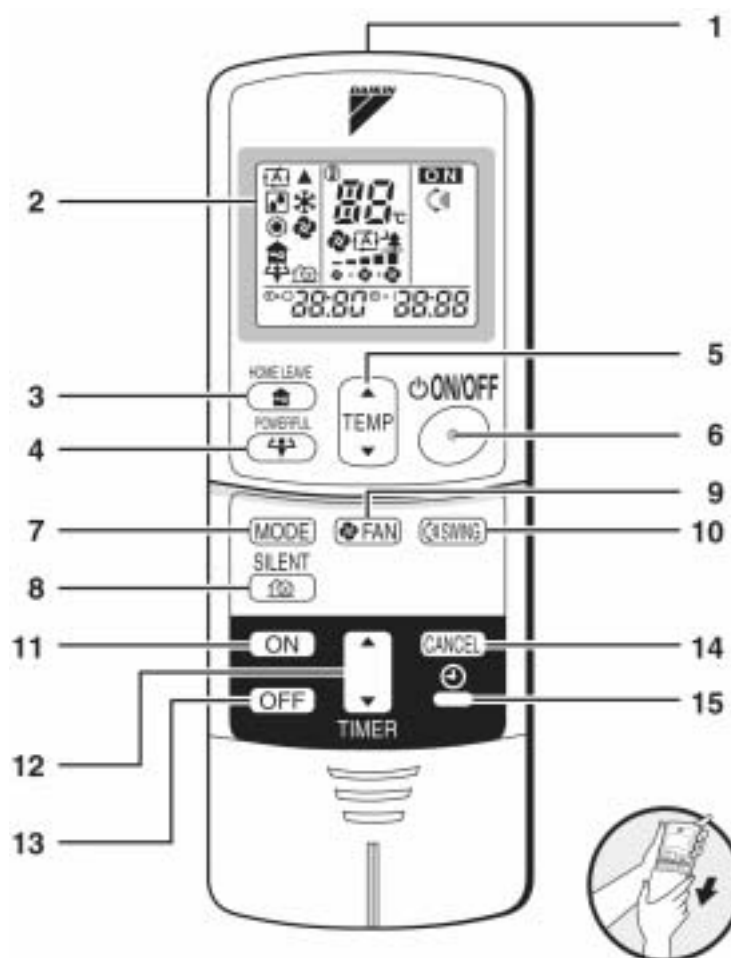
3 Options

FVK/XS-B		25	35	50
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 (DIII-net) (3)			KRP928A2S	
Photocatalytic deodorising filter, with frame			KAZ917B41	
Photocatalytic deodorising filter, without frame			KAZ917B42	
Air purification filter with frame			KAF925B41	
Air purification filter without frame			KAF925B42	
Anti-theft protection for remote control			KKF917AA4	

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

4 Control systems

FVK/XS-B

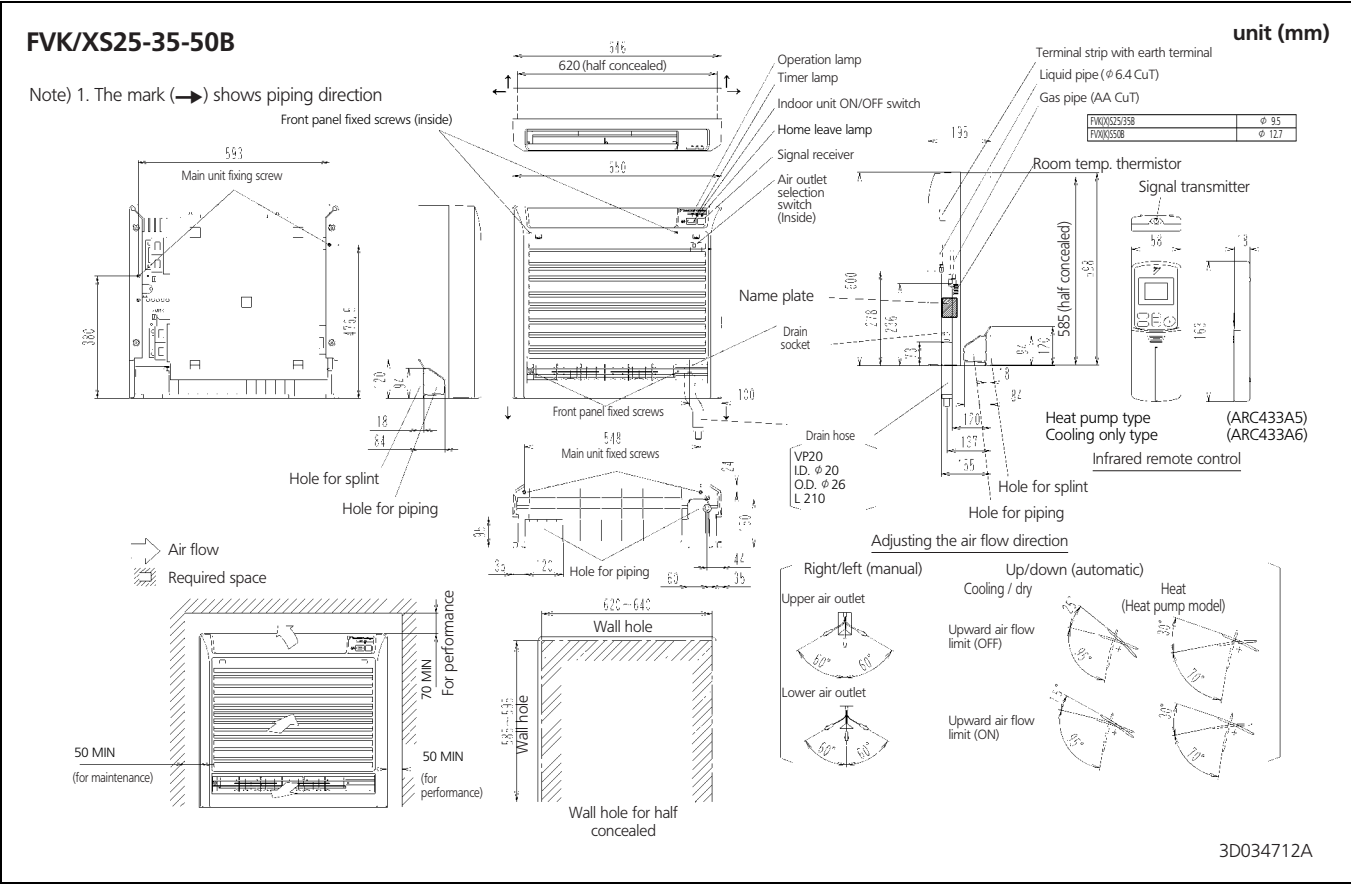


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- | | |
|--|--|
| <p>1 Signal transmitter:
• It sends signals to the indoor unit.</p> <p>2 Display:
• It displays the current settings. (In this illustration, each section is shown with all its displays ON for the purpose of explanation.)</p> <p>3 HOME LEAVE button:
for HOME LEAVE operation</p> <p>4 POWERFUL button:
for POWERFUL operation</p> <p>5 TEMPERATURE adjustment buttons:
• It changes the temperature setting</p> <p>6 ON/OFF button:
• Press this button once to start operation. Press once again to stop it.</p> <p>7 MODE selector button:
• It selects the operation mode
(Auto / Dry / Cool / Heat / Fan)</p> | <p>8 OUTDOOR UNIT SILENT button:
SILENT operation</p> <p>9 FAN setting button:
• It selects the air flow rate setting.</p> <p>10 SWING button</p> <p>11 ON TIMER button:</p> <p>12 TIMER setting button:
• It changes the time setting</p> <p>13 OFF TIMER button:</p> <p>14 TIMER CANCEL button:
It cancels the timer setting.</p> <p>15 CLOCK button</p> |
|--|--|

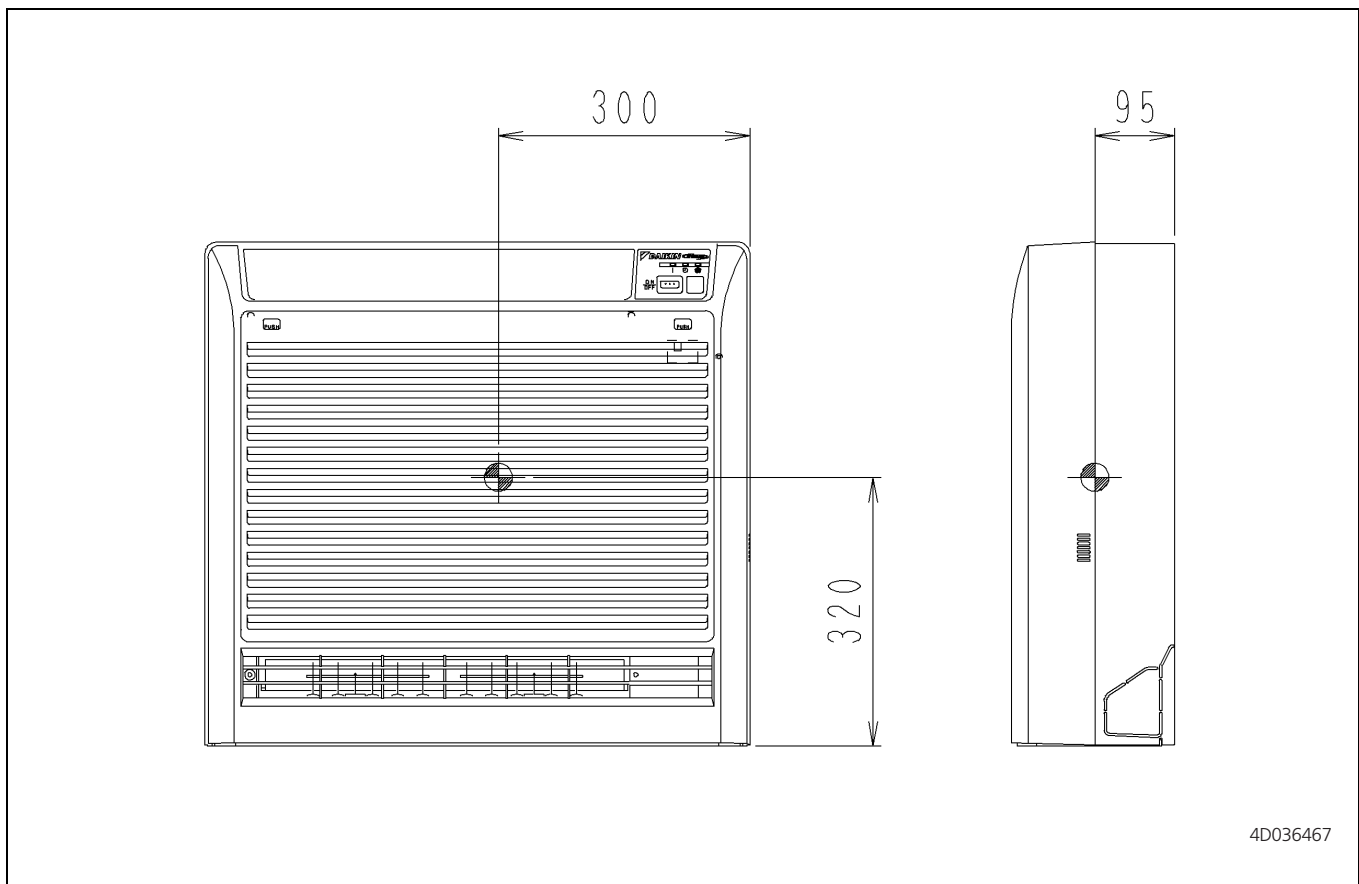
5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing



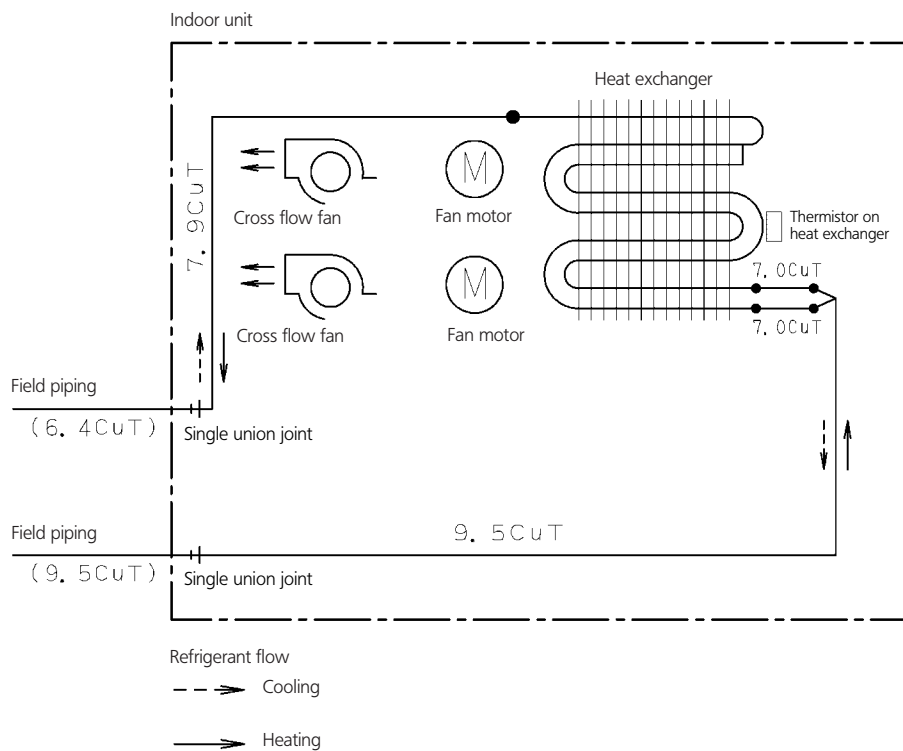
5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity



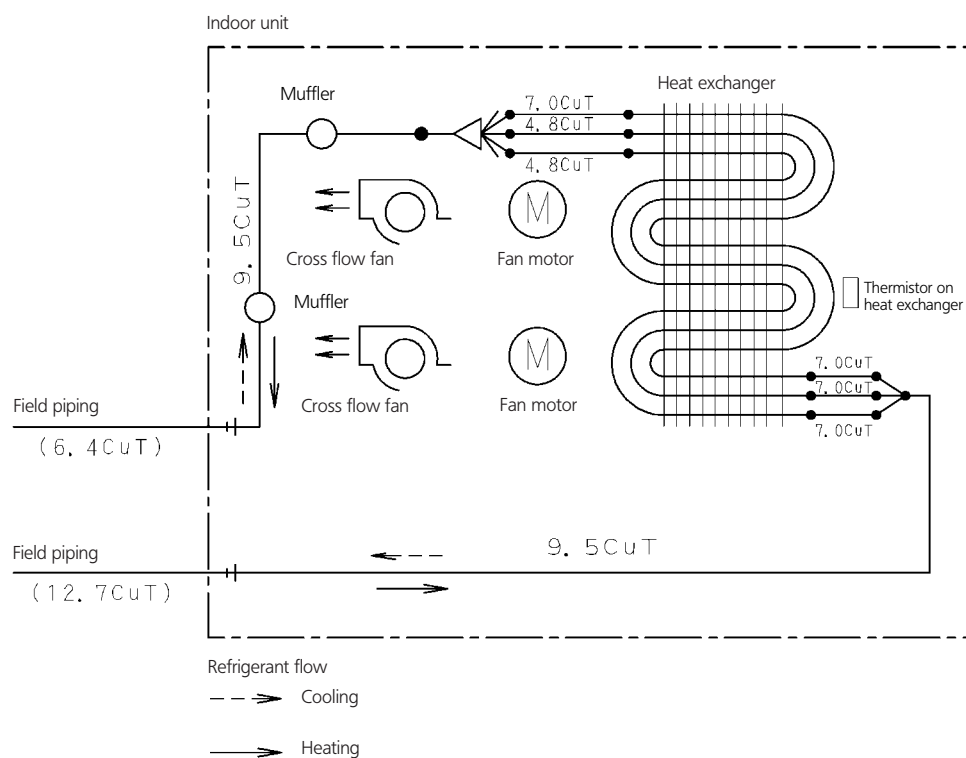
6 Piping diagram

FVK/XS25-35B



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FVK/XS50B

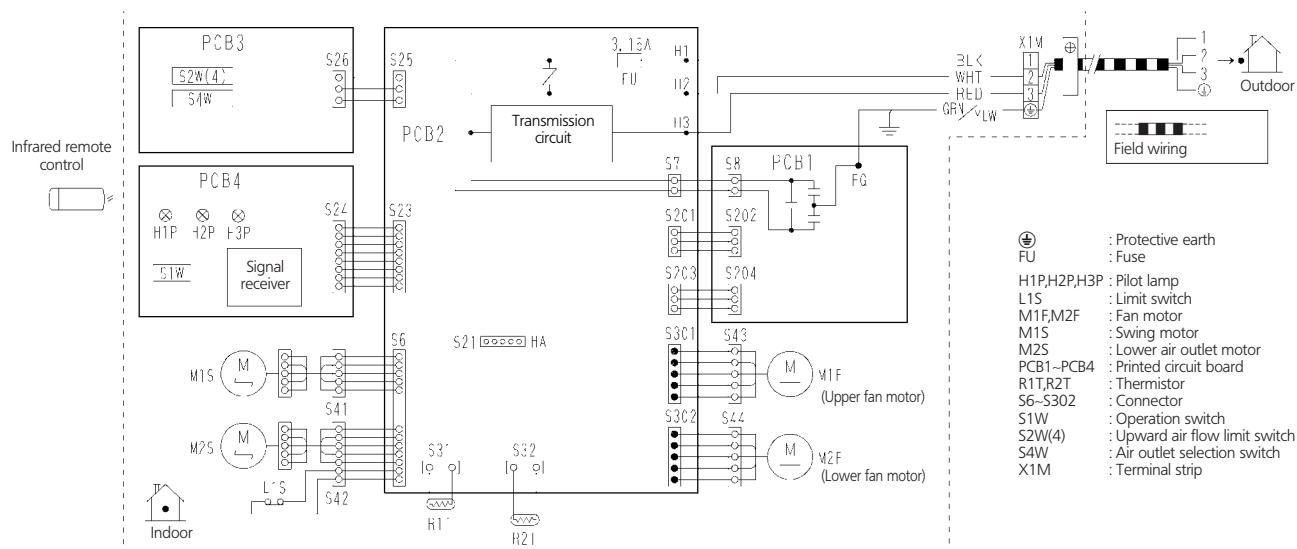


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7 Wiring diagram

7 - 1 Wiring diagram

FVK/XS25-35-50B

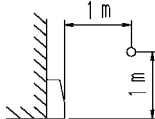


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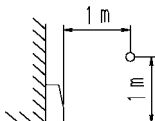
8 Sound data

8 - 1 Sound level data

Cooling only

Model	Sound pressure level			Measuring location	Sound power level cooling
	230V, 50Hz				
	Cooling				
	H	L	SL		
FVKS25B	38	26	23	Location of microphone 	54
FVKS35B	39	27	24		55
FVKS50B	44	36	33		56

Heat pump

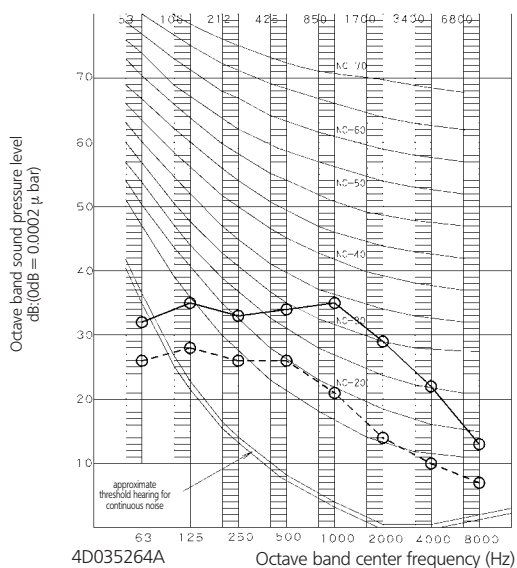
Model	Sound pressure level			Measuring location	Sound power level (cooling/heating)
	230V, 50Hz				
	Cooling/Heating				
	H	L	SL		
FVXS25B	38/38	26/26	23/23	Location of microphone 	54/*
FVXS35B	39/39	27/29	24/26		55/*
FVXS50B	44/45	36/36	33/33		56/57

* Sound power levels were not available at time of publication

8 Sound data

8 - 2 Sound pressure spectrum

FVKS25B



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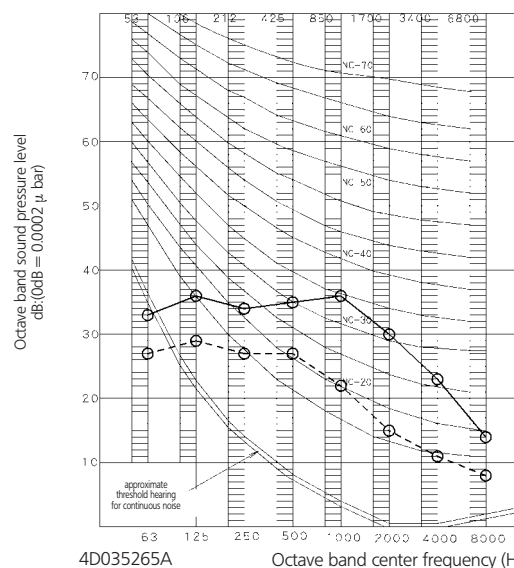
NOTES

- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20μPa

Legend

- 50/60Hz, 220-240/220-230V (H)
- -○ 50/60Hz, 220-240/220-230V (L)

FVKS35B



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Octave band center frequency (Hz)

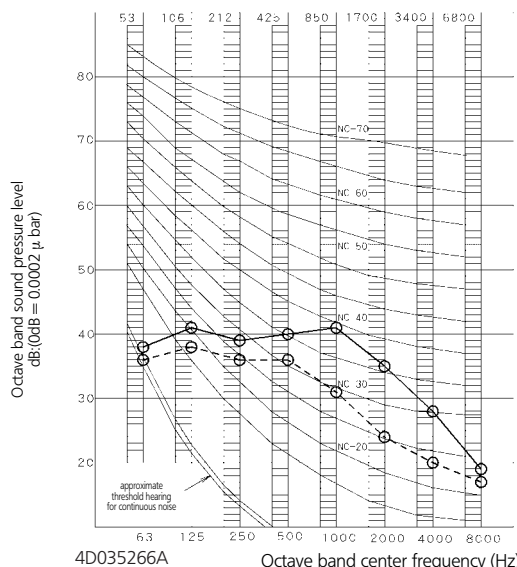
NOTES

- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20μPa

Legend

- 50/60Hz, 220-240/220-230V (H)
- -○ 50/60Hz, 220-240/220-230V (L)

FVKS50B



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Octave band center frequency (Hz)

NOTES

- 1 Operation sound is measured in an anechoic chamber.
- 2 Operation sound level differs with operation and ambient conditions.
- 3 Reference acoustic pressure 0dB = 20μPa

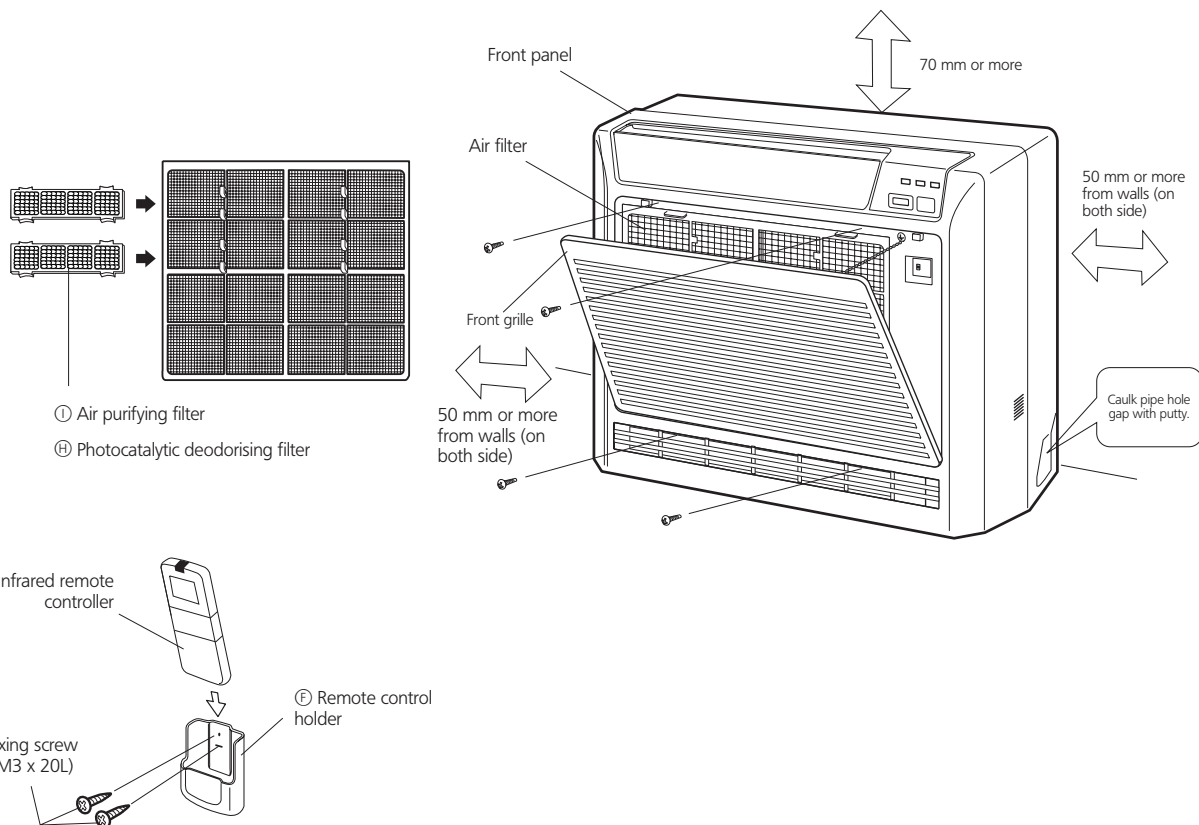
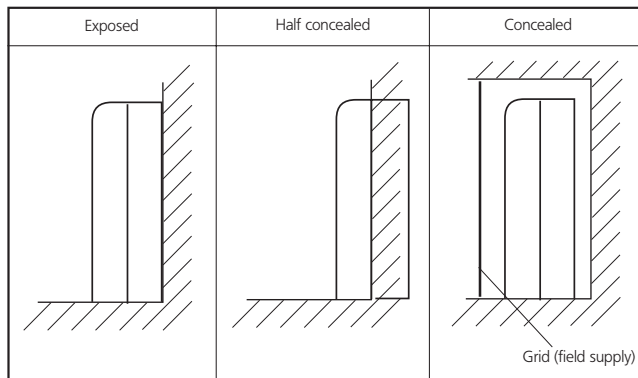
Legend

- 50/60Hz, 220-240/220-230V (H)
- -○ 50/60Hz, 220-240/220-230V (L)

9 Installation

9 - 1 Installation method

The indoor unit may be mounted in any of the three styles shown here.



Split - Sky Air

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