DAIKIN

technical data

VRV II Systems

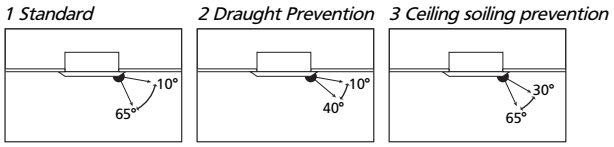
FXKQ-MVE

Ceiling mounted corner cassette

FXKQ-MVE
Ceiling mounted corner cassette

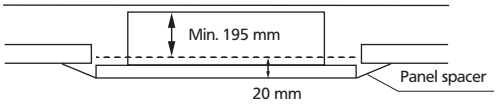
1 Features

- This corner cassette offers effective air discharge from a corner or from a false ceiling
- Thin and unimposing decoration panel does not clash with interior design
- Choice of 3 auto-swing positions for maximum comfort: standard, draught prevention or ceiling soiling prevention

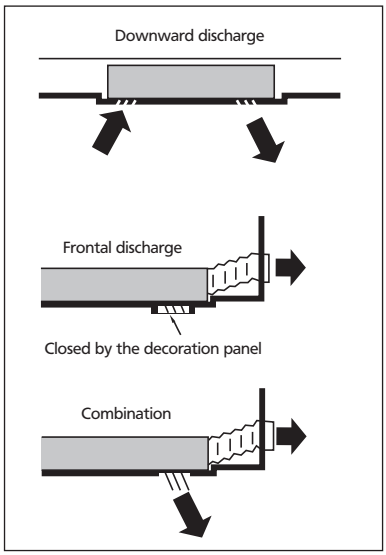


* Has been set to standard setting at time of shipment.
This can be changed using the remote control

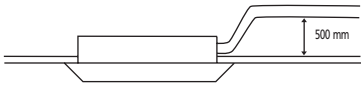
- Designed for use in rooms with shallow ceiling voids (only 220mm ceiling space required, 195mm with optional panel spacer)



- Optimum air flow conditions are created by either downward air discharge or frontal air discharge or a combination of both



- Long life filter provided as standard
- Drain-up pump with 500mm lift fitted as standard



2 Specifications

2-1 Technical specifications

FXKQ-MVE				25	32	40	63
COOLING CAPACITY (1)			kW	2.8	3.6	4.5	7.1
HEATING CAPACITY (2)			kW	3.2	4.0	5.0	8.0
NOMINAL INPUT	Cooling		W	66		76	105
	Heating		W	46		56	85
DIMENSIONS	Unit	HxWxD	mm	215x1,110x710			215x1,310x710
	Decoration panel	HxWxD	mm	70x1,240x800			70x1,440x800
WEIGHT	Unit		kg	31			34
	Decoration panel		kg	8.5			9.5
CASING				galvanised steel plate			
COLOR	Decoration panel			white			
SOUND LEVEL	Sound pressure 220V	high	dB(A)	38		40	42
		low	dB(A)	33		34	37
	Sound power		dB(A)	*		*	*
FAN	Air flow rate	high	m^3/h	660		780	1,080
		low	m^3/h	540		600	900
	Type			sirocco fan			
	Model			3D12H1AN1V1		3D12H1AP1V1	4D12H1AJ1V1
	Motor output		W	15		20	45
	Drive			direct drive			
HEAT EXCHANGER	Rows x stages x fin pitch		mm	2x11x1.75			3x11x1.75
	Face area		m^2	0.180			0.226
AIR FILTER				resin net with mold resistant			
REFRIGERANT CONTROL				electronic expansion valve			
TEMPERATURE CONTROL				microprocessor thermostat for cooling and heating			
PIPING CONNECTIONS	Liquid	flare	mm	ø 6.4			ø 9.5
	Gas	flare	mm	ø 12.7			ø 15.9
	Drain		mm	VP25, external diameter 32, internal diameter 25			
SOUND ABSORBING THERMAL INSULATION				foamed polyethylene			

* data were not available at the time of publication 3D038813

NOTES

1 Nominal cooling capacities are based on:
- Indoor temperature: 27°CDB, 19°CWB
- Outdoor temperature: 35°CDB
- Equivalent refrigerant piping: 7.5m (horizontal)

2 Nominal heating capacities are based on:
- Indoor temperature: 20°CDB
- Outdoor temperature: 7°CDB, 6°CWB
- Equivalent refrigerant piping: 7.5m (horizontal)

3 Capacities are net including a deduction for cooling (an addition for heating) for indoor fan motor heat.

2 Specifications

2-2 Electrical specifications

FXKQ-MVE			25	32	40	63
CURRENT	Minimum circuit amps (MCA)	A	0.3			0.5
	Maximum fuse amps (MFA) (5)	A	15			
POWER SUPPLY		VE	1 ~, 50Hz, 220-240V			
VOLTAGE RANGE	Min ~ max	V	198 ~ 264			
INDOOR FAN MOTOR	Fan motor rated output	W	15		20	45
	Full load amps (FLA)	A	0.2		0.2	0.4

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NOTES

1 Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
2 Maximum allowable voltage range variation between phases is 2%.
3 MCA/MFA:
MCA = 1.25 x FLA
MFA ≤ 4 x FLA
next lower standard fuse rating minimum 15A.
4 Select wire size based on MCA.
5 Instead of a fuse, use a circuit breaker
6 For more details concerning conditional connections, see http://www.daikineurope.com/extranet, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.
Finally, click on the document title of your choice.

2-3 Safety device settings

FXKQ-MVE		25	32	40	63
PC BOARD FUSE		250V 5A			
FAN MOTOR THERMAL FUSE	°C	$146^{\pm 3}$		-	
FAN MOTOR THERMAL PROTECTOR	°C	-		OFF: $120^{\pm 5}$ / ON: 105 or less	
DRAIN PUMP THERMAL FUSE	°C	145			

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3 Accessories

FXKQ-MVE	25	32	40	63
DECORATION PANEL	BYK45FJW1			BYK71FJW1
PANEL SPACER	KPBJ52F56W			KPBJ52F80W
LONG LIFE REPLACEMENT FILTER	KAFJ521F56			KAFJ521F80
AIR DISCHARGE GRILL	K-HV7AW			K-HV9AW
AIR DISCHARGE BLIND PANEL	KDBJ52F56W			KDBJ52F80W
FLEXIBLE DUCT (WITH SHUTTER)	KFDJ52F56			KFDJ52F80

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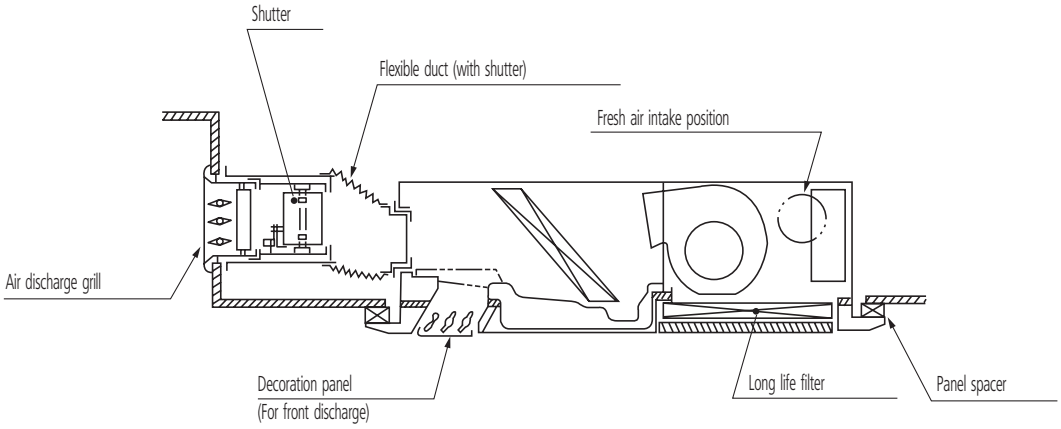


3-1 Panel spacer

- If the space above the ceiling is not available for more than 220mm, use the panel spacer, which enables to install the unit in 200mm space.

3-1-1 Specifications

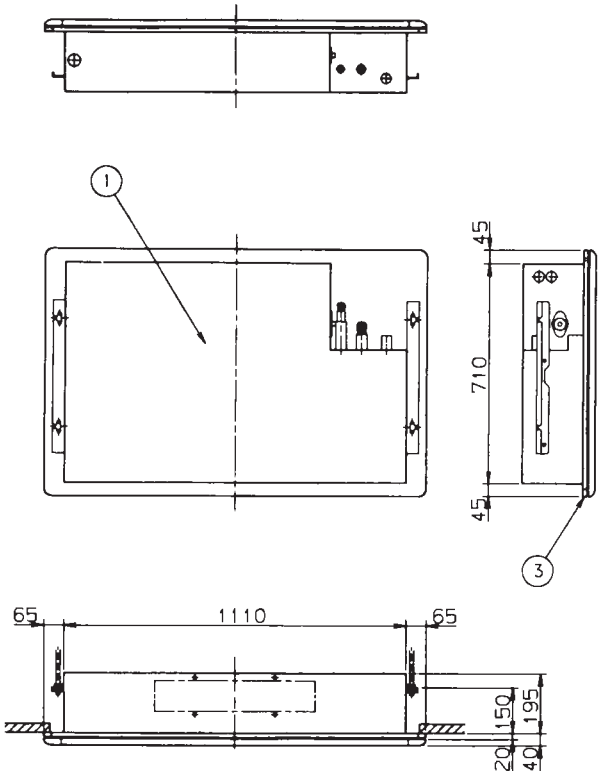
			KPBJ52F56W	KPBJ52F80W
COLOR			white	
DIMENSIONS	H	mm	20	
	W	mm	1,240	1,440
	D	mm	800	
MATERIALS			outer frame: resin molding thermal insulation: foam polyethylene	
CONTENTS			panel spacer (1) (2) (3) thermal insulation (1) (2), screws	
APPLIED DECORATION PANEL			BYK45FJW1	BYK71FJW1
APPLICABLE MODEL			for indoor unit 25~40 class	for indoor unit 63 class

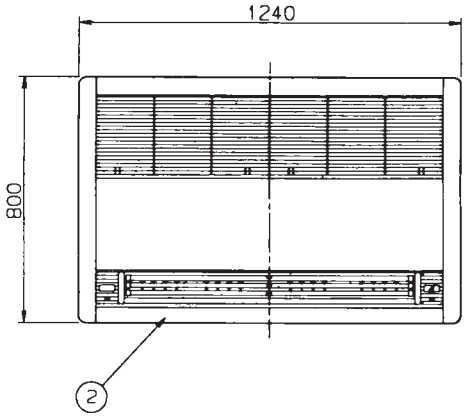
3 Accessories

3-1 Panel spacer

3-1-2 Dimensions

FXKQ25,32,40MVE





Nr.	Name	Description
1	Indoor unit	
2	Decoration panel	
3	Panel spacer	

Optional panel spacer

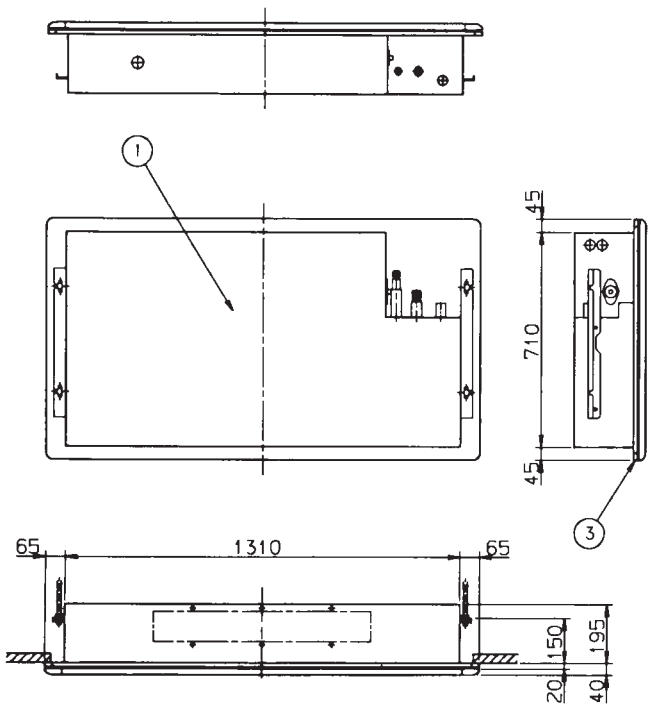
KPBJ52F56W	White 10Y 9/0.5

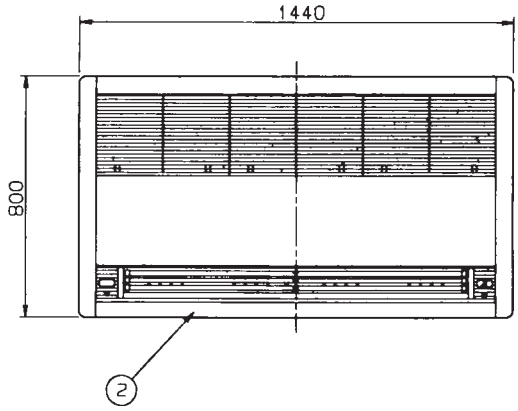
NOTES

1 When other optional kit is installed, refer to the installation drawing of its optional kit.

DU825-219

FXKQ63MVE





Nr.	Name	Description
1	Indoor unit	
2	Decoration panel	
3	Panel spacer	

Optional panel spacer

KPBJ52F80W	White 10Y 9/0.5

NOTES

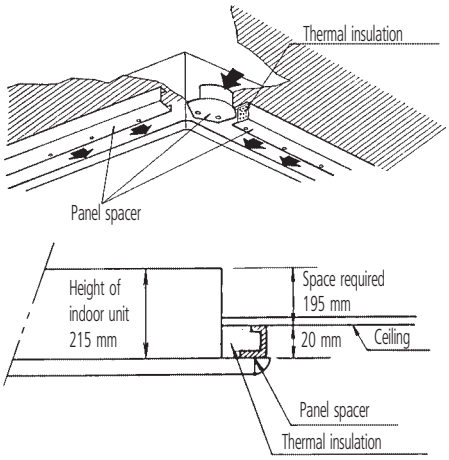
1 When other optional kit is installed, refer to the installation drawing of its optional kit.

DU827-242

3 Accessories

3-1 Panel spacer

3-1-3 Installation



3-1-4 Precaution at use

- Be sure to stick insulators on the panel spacer after the panel spacer is assembled
- Secure 20 cm height in the space above ceiling.

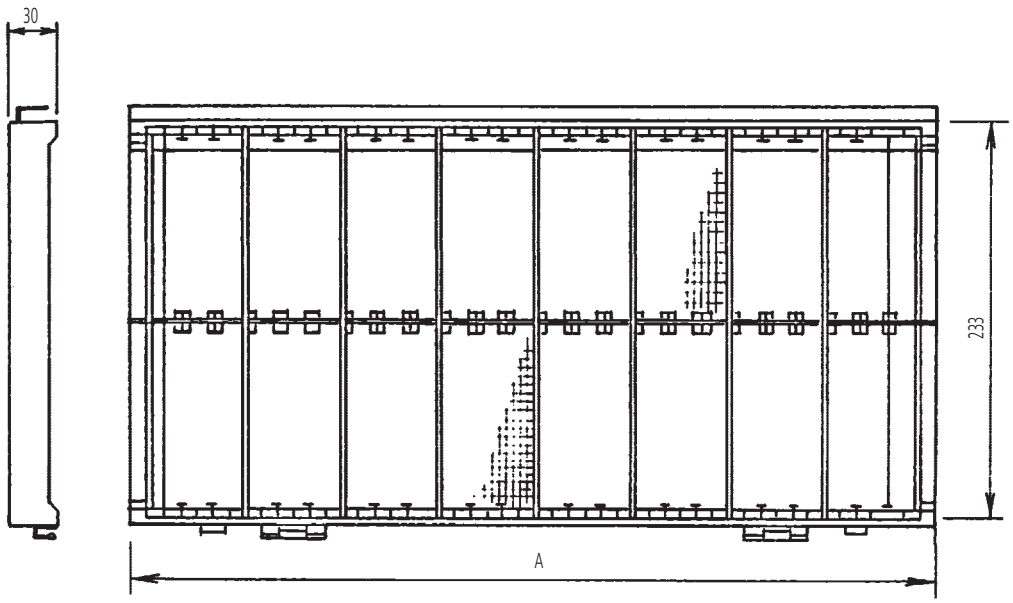
3 Accessories

3-2 Long life replacement filter

3-2-1 Specifications

		KAFJ521F56	KAFJ521F80
LIFE TIME, AVERAGE EFFICIENCY		2,500 hours (dust density 0.15 mg/m^3), 45% (gravity method)	
FILTER		mildew proof resin net	
REQUIRED QUANTITY	For 1 unit	2 pieces	
APPLICABLE MODELS		25~40 class	63 class

3-2-2 Dimensions



Model	A
KAFJ521F56	403
KAFJ521F80	503

3 Accessories

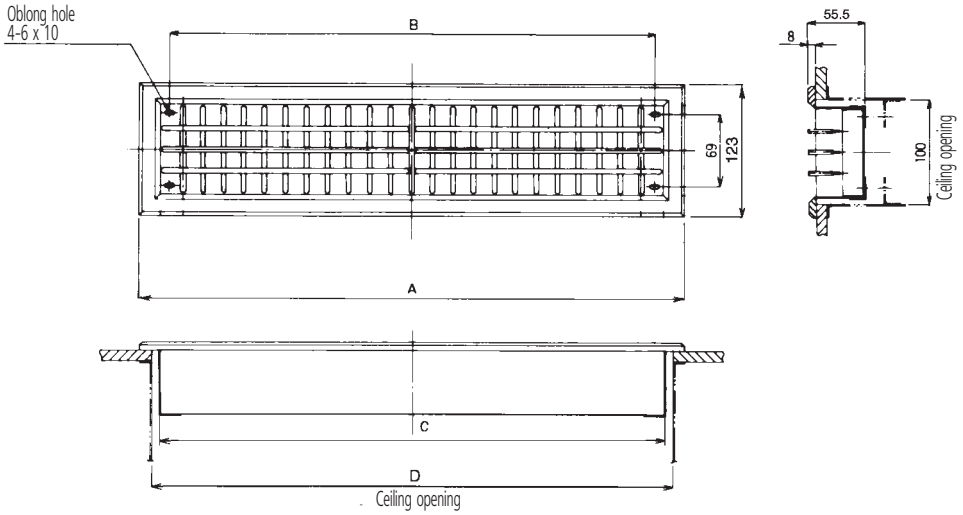
3-3 Discharge grille

- This optional kit is used when the unit is installed with front air discharge. The direction of air can be adjusted flexibly.
- This discharge grille should be installed with the following flexible duct.

3-3-1 Specifications

		K-HV7AW	K-HV9AW
AIR FLOW RATE	m^3/min	9~13	12~19
TYPE		HV type (horizontal blade and vertical blade movable)	
EXTERNAL COLOR		white	
MATERIALS		steel plate (a cryptomeria only at the tip of the outlet + nylon flocking)	
STRUCTURAL PARTS		discharge grille, screws, blade control tool	
APPLICABLE FLEXIBLE DUCT		KFDJ52F56	KFDJ52F80
APPLICABLE MODELS		25~40 class	63 class

3-3-2 Dimensions



Model	Applicable model	A	B	C	D
K-HV7AW	For 25~40 class	523	466	488	500
K-HV9AW	For 63 class	723	666	688	700

3 Accessories

3-4 Flexible duct (with shutter)

- The built-in shutter's Open/Shut action makes it possible to regulate the air flow rate. Besides, the flexible duct helps the connection to the main unit to give more flexibility.

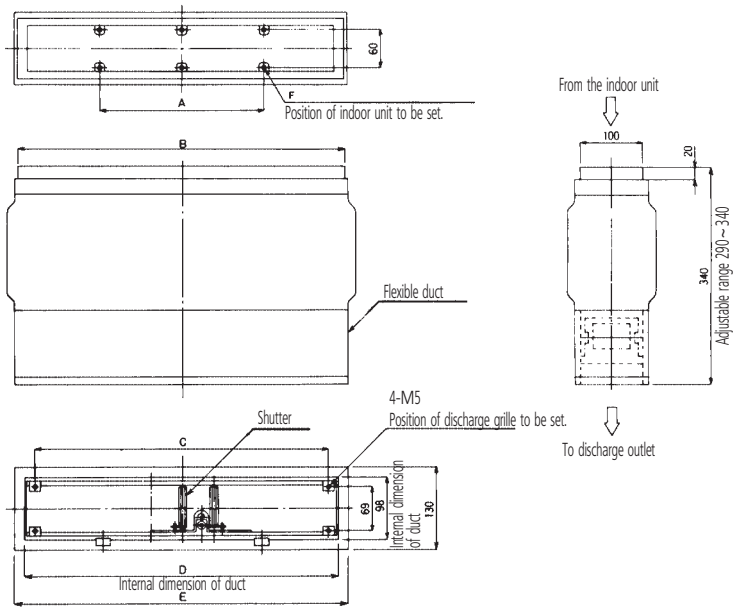
3-4-1 Specifications

			KFDJ52F56	KFDJ52F80
EXTERNAL DIMENSIONS	H	mm	132	
	W	mm	532	732
	D	mm	max. 353	
MATERIALS			outer frame: resin molding flexible duct: glass wool, vinyl chloride sheet	
CONTENTS			flexible duct, shutter, duct's set plate, insulator, outlet seal pad, set screw, shutter open/shut tool, blade adjusting tool	
APPLICABLE MODEL			25~40 class	63 class

3-4-2 Precaution at use

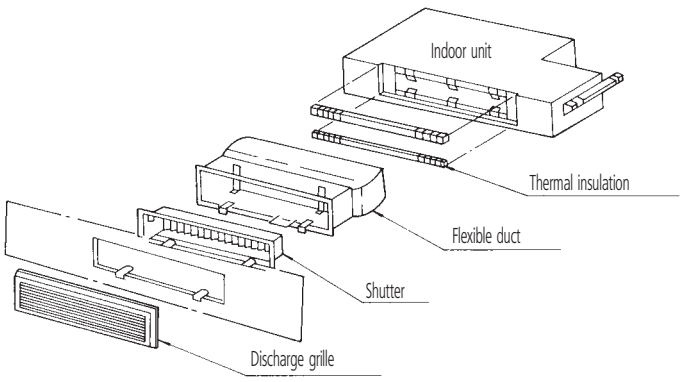
- Be sure to seal out the opening of the drain pan with drain outlet seal materials after the front panel of the indoor unit is removed.

3-4-3 Dimensions



Model	Applicable model	A	B	C	D	E	F
KFDJ52F56	For indoor unit 25~40 class	260	520	466	498	530	4-ø hole
KFDJ52F80	For indoor unit 63 class	460	720	666	698	730	6-ø7 hole

3-4-4 Installation



3 Accessories

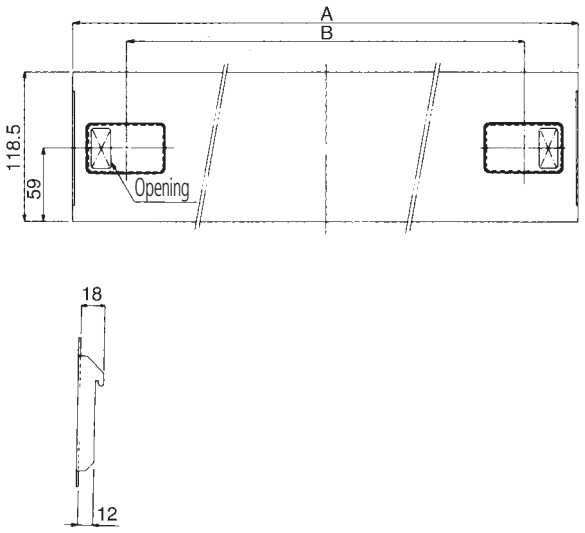
3-5 Air discharge blind panel

- This is the parts which closes the lower discharge outlet when the unit is used as a front discharge style.

3-5-1 Specifications

			KDBJ52F56W	KDBJ52F80W
EXTERNAL COLOR			white	
EXTERNAL DIMENSIONS	H	mm	18	
	W	mm	1,126	1,326
	D	mm	119	
MATERIALS			steel plate	
CONTENTS			outlet decoration panel assembly, decoration panel suspension plate, name plate, caution plate set board	
APPLIED DECORATION PANEL			byk45fjw1	byk71fjw1
APPLICABLE MODEL			25~40 class	63 class

3-5-2 External dimensions



Model	A	B
KDBJ52F56	1,125.5	1,040
KDBJ52F80	1,325.5	1,240

4 Control systems

4-1 Individual control systems

WIRED REMOTE CONTROL		BRC1D527
INFRARED REMOTE CONTROL	Heat pump	BRC4C61
	Cooling only	BRC4C63

4-2 Centralised control systems

CENTRALISED REMOTE CONTROL	DCS302C51
UNIFIED ON/OFF CONTROL	DCS301B51
SCHEDULE TIMER	DST301B51

4-3 Others

WIRING ADAPTER	KRP1B61
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)	KRP2A61
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)	KRP4A51
REMOTE SENSOR	KRCS01-1
ELECTRICAL BOX WITH EARTH TERMINAL (3 BLOCKS)	KJB311A
ELECTRICAL BOX WITH EARTH TERMINAL (2 BLOCKS)	KJB212A
NOISE FILTER (FOR ELECTROMAGNETIC INTERFACE USE ONLY)	KEK26-1
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)	DTA104A61

3D034600B

5 Capacity tables

5-1 Cooling capacity

TC: Total capacity;kW – SHC: Sensible capacity;kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
25	2.8	10.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.7	2.5
		12.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.6	2.5
		14.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.6	2.5
		16.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.5	2.4
		18.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.5	2.4
		20.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.4	2.4
		21.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.4	2.4
		23.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.3	2.5	3.4	2.3
		25.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.3	2.5	3.3	2.3
		27.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.2	2.4	3.3	2.3
		29.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.2	2.4	3.2	2.3
		31.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.1	2.4	3.2	2.3
		33.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.1	2.4	3.1	2.3
		35.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.0	2.4	3.1	2.3
		37.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	2.9	2.5	3.0	2.4	3.0	2.3
		39.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	2.9	2.5	2.9	2.3	3.0	2.2
32	3.6	10.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.7	2.9
		12.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.7	2.9
		14.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.6	2.9
		16.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.6	2.8
		18.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.5	2.8
		20.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.4	2.8
		21.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.4	2.7
		23.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.2	2.9	4.3	2.7
		25.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.2	2.8	4.3	2.7
		27.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.1	2.8	4.2	2.7
		29.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.1	2.8	4.2	2.6
		31.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.0	2.7	4.1	2.6
		33.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	3.9	2.7	4.0	2.6
		35.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	3.9	2.7	4.0	2.6
		37.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.7	2.8	3.8	2.7	3.9	2.6
		39.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.7	2.8	3.8	2.7	3.8	2.6
40	4.5	10.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.9	3.5
		12.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.8	3.5
		14.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.8	3.4
		16.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.7	3.4
		18.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.6	3.3
		20.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.5	3.3
		21.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.5	3.3
		23.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.3	3.4	5.4	3.2
		25.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.2	3.4	5.3	3.2
		27.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.2	3.3	5.3	3.2
		29.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.1	3.3	5.2	3.1
		31.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.0	3.2	5.1	3.1
		33.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	4.9	3.2	5.0	3.1
		35.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.7	3.3	4.9	3.2	5.0	3.0
		37.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.7	3.3	4.8	3.1	4.9	3.0
		39.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.6	3.2	4.7	3.1	4.8	3.0
63	7.1	10.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.3	5.6
		12.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.2	5.5
		14.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.1	5.4
		16.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.0	5.3
		18.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	8.8	5.3
		20.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	8.7	5.2
		21.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	8.7	5.2
		23.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.4	5.3	8.5	5.1
		25.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.3	5.3	8.4	5.0
		27.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.1	5.2	8.3	5.0
		29.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.0	5.1	8.2	4.9
		31.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	7.9	5.1	8.1	4.9
		33.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	7.8	5.0	7.9	4.8
		35.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.5	5.2	7.7	5.0	7.8	4.8
		37.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.4	5.1	7.5	4.9	7.7	4.8
		39.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.2	5.0	7.4	4.9	7.6	4.7

CA03A095

5 Capacity tables

5-2 Heating capacity

Unit Size	Nominal capacity	Outdoor air temperature		Indoor air temperature °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	kW	kW	kW	kW	kW	kW
25	3.2	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
		-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
		-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
		-14.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
		-12.6	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
		-10.5	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
		-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
		-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
		-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
		-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
		-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
		0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
		3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
		5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
		7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
		9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
		11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
		13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.8
		15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	4.0	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
		-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
		-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
		-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
		-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
		-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
		-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
		-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
		-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
		-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
		-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
		0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
		5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
		7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
		9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
		11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
		13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
		15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
40	5.0	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
		-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
		-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
		-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
		-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
		-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
		-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
		-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
		-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
		-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
		-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
		0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
		3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
		5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
		7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
		9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
		11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
		13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
		15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4
63	8.0	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
		-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
		-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
		-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
		-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
		-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
		-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
		-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
		-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
		-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
		-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
		0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
		3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
		5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
		7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
		9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
		11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
		13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
		15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0

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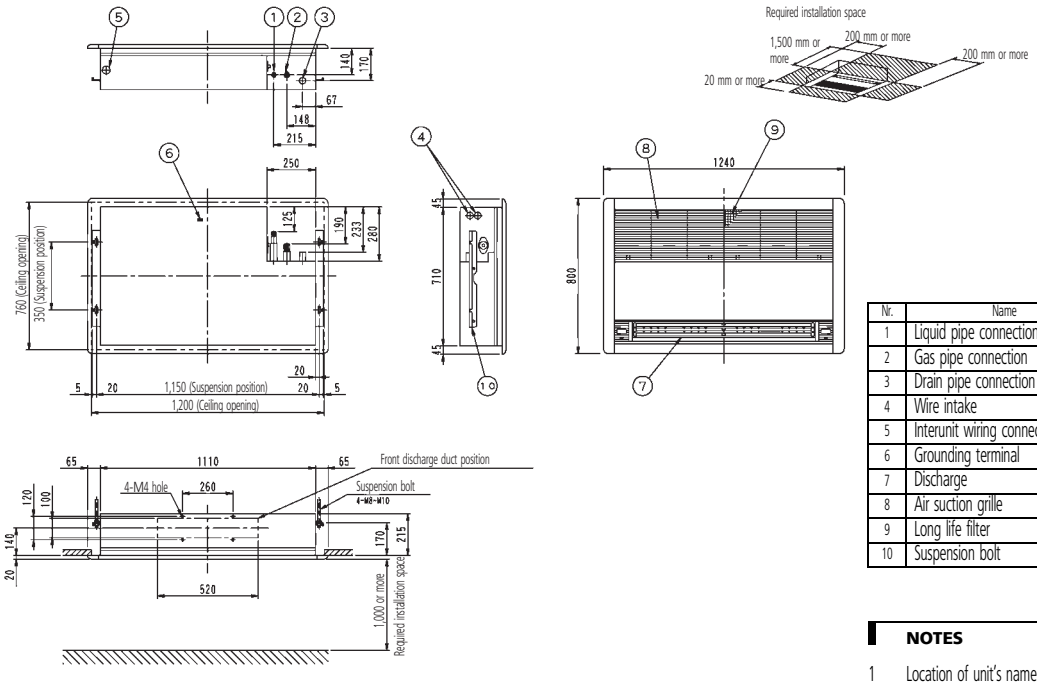
6 Dimensions

6-1 Dimensional drawings

FXKQ25,32,40MVE



Nr.	Name	Description
1	Liquid pipe connection	ø 6.4 Flare connection
2	Gas pipe connection	ø 12.7 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32)
4	Wire intake	
5	Interunit wiring connection	
6	Grounding terminal	Inside switch box (M4)
7	Discharge	
8	Air suction grille	
9	Long life filter	
10	Suspension bolt	

NOTES

1 Location of unit's name plate:
- For main body: Bottom part of fan housing inside of air suction grille.
- For decoration panel: Service lid face inside of air suction grille.

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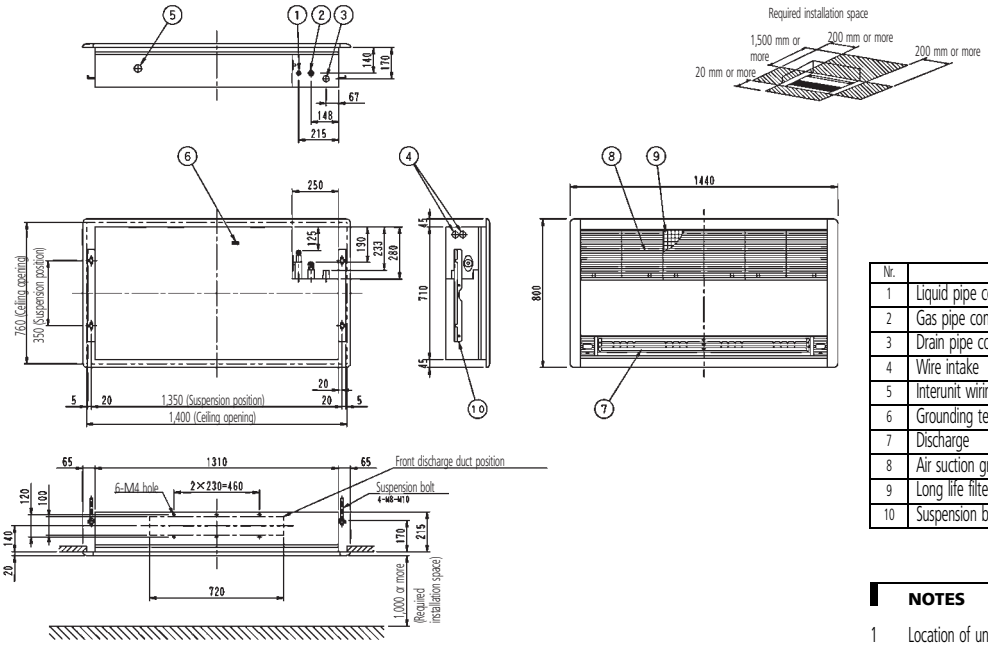
FXKQ63MVE



Nr.	Name	Description
1	Liquid pipe connection	ø 9.5 Flare connection
2	Gas pipe connection	ø 15.9 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32)
4	Wire intake	
5	Interunit wiring connection	
6	Grounding terminal	Inside switch box (M4)
7	Discharge	
8	Air suction grille	
9	Long life filter	
10	Suspension bolt	

NOTES

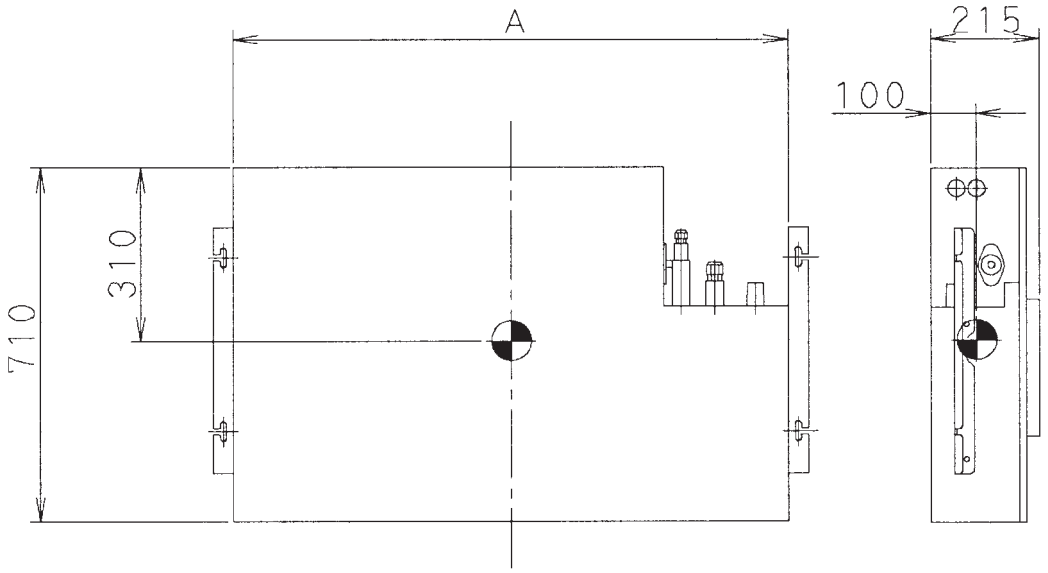
1 Location of unit's name plate:
- For main body: Bottom part of fan housing inside of air suction grille.
- For decoration panel: Service lid face inside of air suction grille.

3D038841

6 Dimensions

6-2 Centre of gravity

FXKQ-MVE

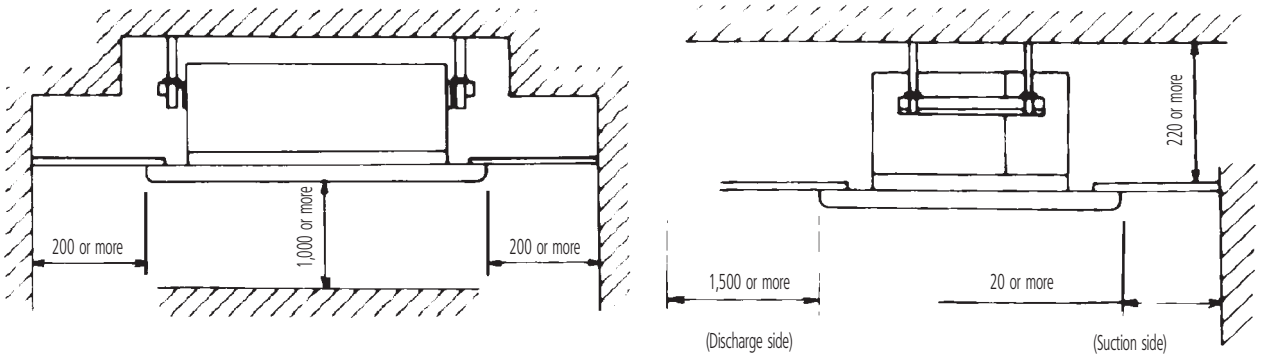


Model	A
FXKQ25,32,40MVE	1,110
FXKQ63MVE	1,310

4D037079A

6-3 Service space

FXKQ-MVE



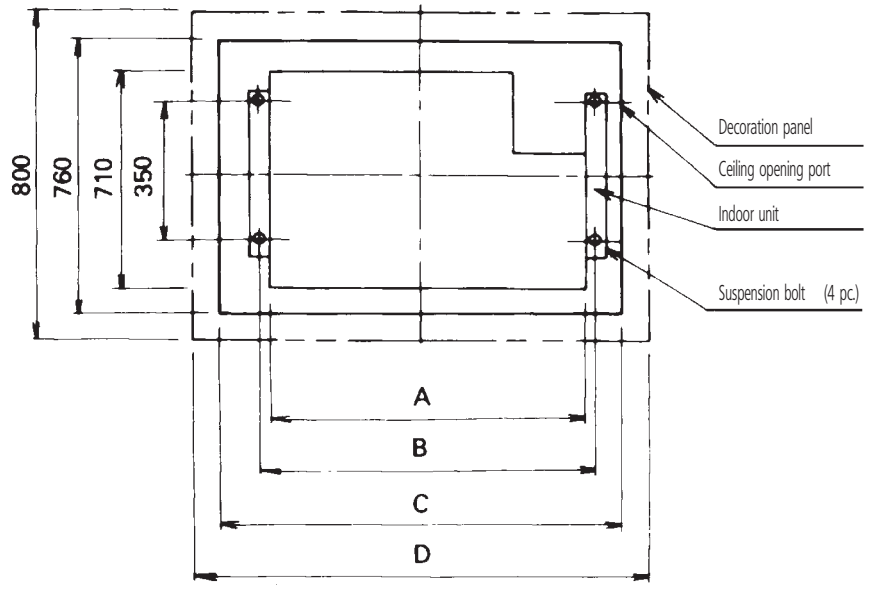
NOTES

1 Above figures mean minimum values

6 Dimensions

6-4 Bolt pitch

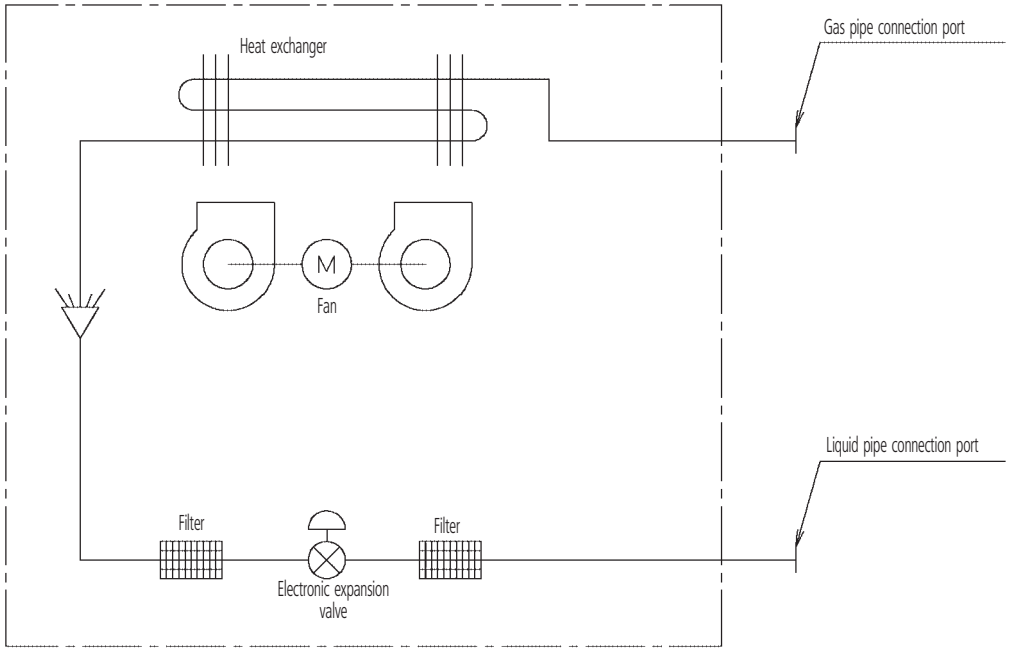
FXKQ-MVE



Model	A	B	C	D
FXKQ25,32,40MVE	1,110	1,150	1,200	1,240
FXKQ63MVE	1,310	1,350	1,400	1,440

7 Piping Diagram

FXKQ-MVE



Piping connection diameters

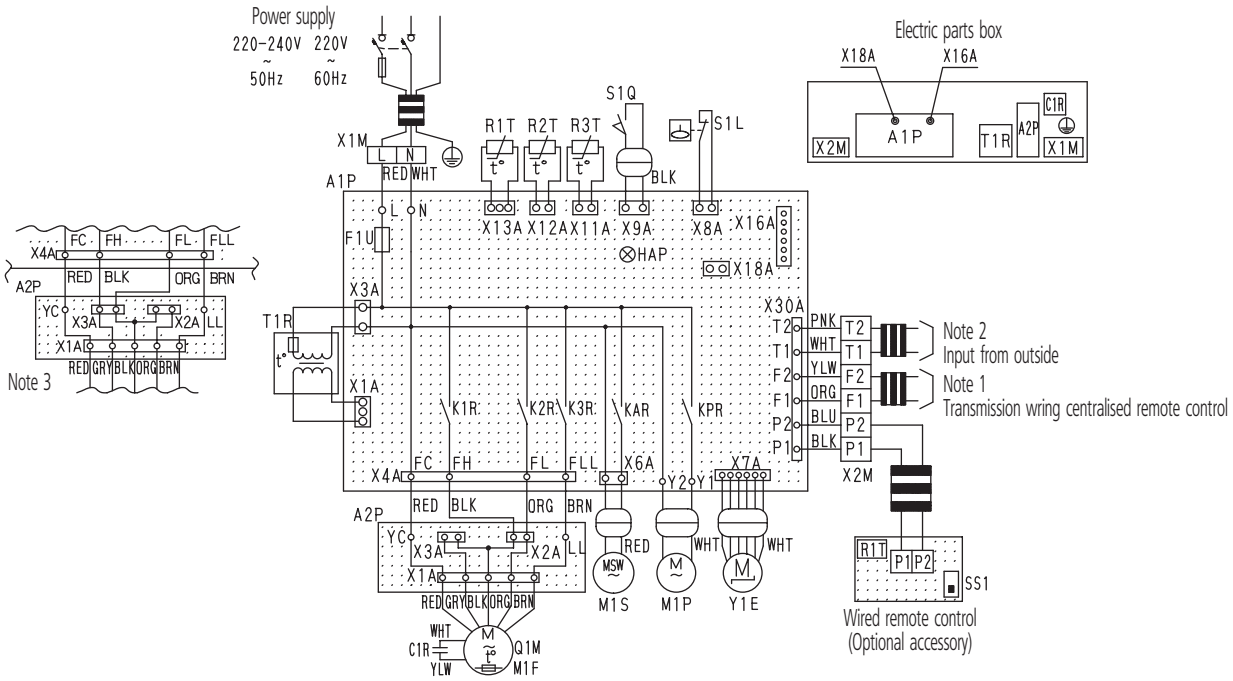
Model	Gas	Liquid
FXKQ25,32,40MVE	ø12.7	ø6.4
FXKQ63MVE	ø15.9	ø9.5

Check valve
Flare connection
Screw connection
Flange connection
Pinched pipe
Spinned pipe

4D034245

8 Wiring Diagrams

FXKQ-MVE



A1P	Printed circuit board	R2T•R3T	Thermistor (coil)
A2P	Terminal board	S1L	Float switch
C1R	Capacitor (M1F)	S1Q	Limit switch (swing flap)
Q1M	Thermal fuse (M1F embedded)	T1R	Transformer (220-240V/22V)
F1U	Fuse (250V, 5A, Ⓑ)	X1M	Terminal strip (power)
HAP	Light emitting diode (service monitor-green)	X2M	Terminal strip (control)
K1R•K3R	Magnetic relay (M1F)	Y1E	Electronic expansion valve
KAR	Magnetic relay (M1S)	Wired remote control	
KPR	Magnetic relay (M1P)	R1T	Thermistor (air)
M1F	Motor (indoor fan)	SS1	Selector switch (main/sub)
M1P	Motor (drain pump)	Connector for optional parts	
M1S	Motor (swing flap)	X16A	Connector (wiring adapter)
R1T	Thermistor (air)	X18A	Connector (wiring adapter for electrical appendices)

: Terminal
, D– : Connector
: Field wiring

COLORS : BLK : Black PNK : Pink
BLU : Blue RED : Red
BRN : Brown WHT : White
ORG : Orange YLW : Yellow

NOTES

1 When using a centralised remote control, connect it to the unit in accordance with the attached instruction manual.
2 When connecting the input wires from outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached to the unit.
3 In case of high E.S.P. operation, change over the wiring connection from X2A to X3A.
4 Use copper conductors only.

3D039564A

9 Sound level

9-1 Sound level data

Model	Sound pressure level - 220 V		Sound pressure level - 240 V		Sound power level
	H	L	H	L	
FXKQ25MVE	38	33	40	35	*
FXKQ32MVE	38	33	40	35	*
FXKQ40MVE	40	34	42	36	*
FXKQ63MVE	42	37	44	39	*

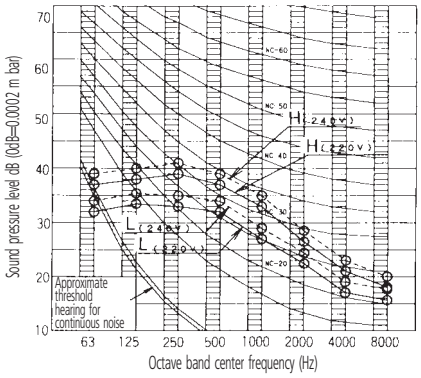
* data were not available at the time of publication

NOTES

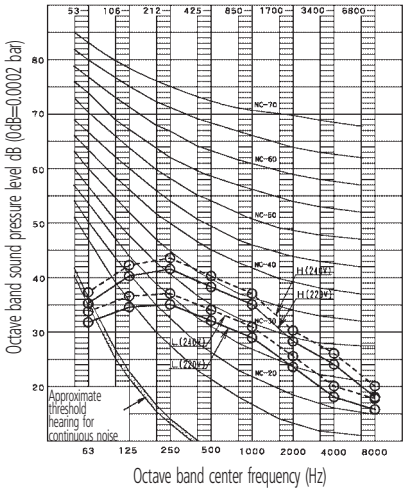
1 Reference acoustic pressure 0dB=0.0002μbar
2 Operation noise differs with operation and ambient conditions
3 Measuring place: anechoic chamber

9-2 Sound pressure spectrum

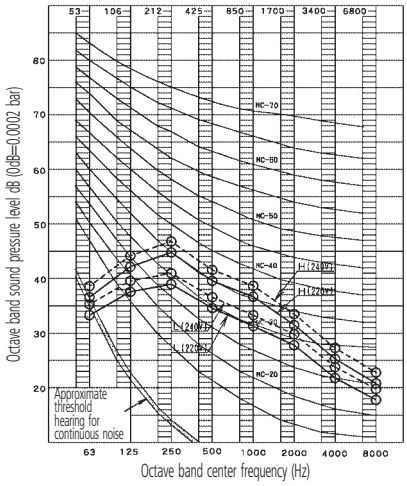
FXKQ25,32MVE 4D037071



FXKQ40MVE 4D037072



FXKQ63MVE 4D037073

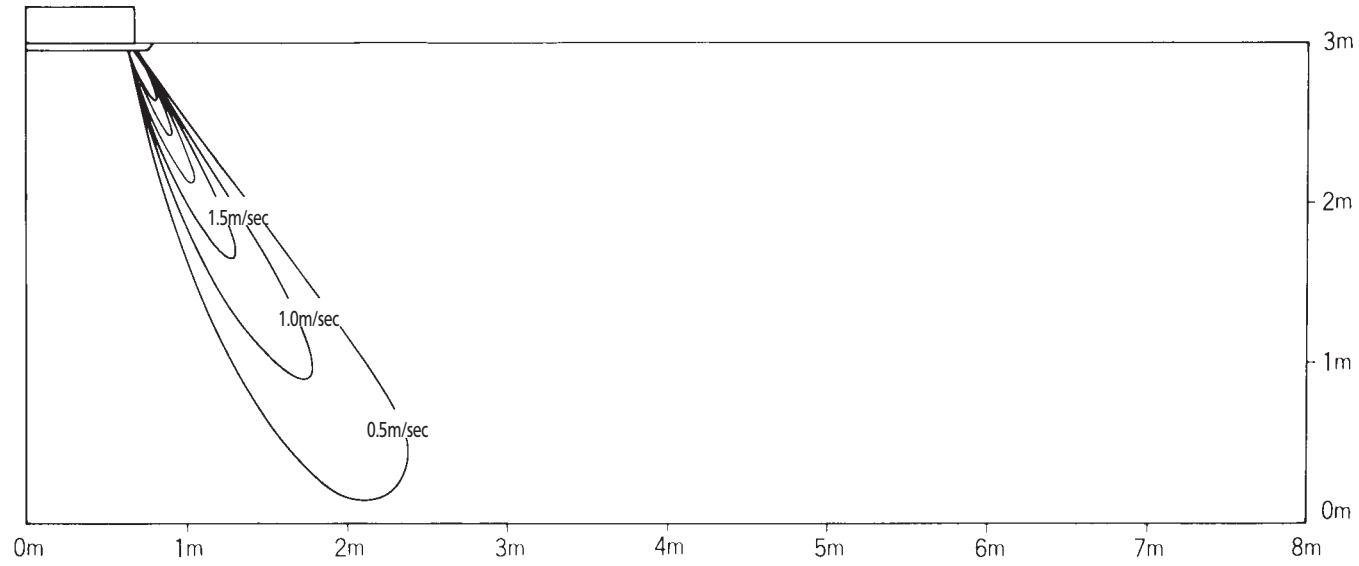


10 Air flow pattern

FXKQ63MVE

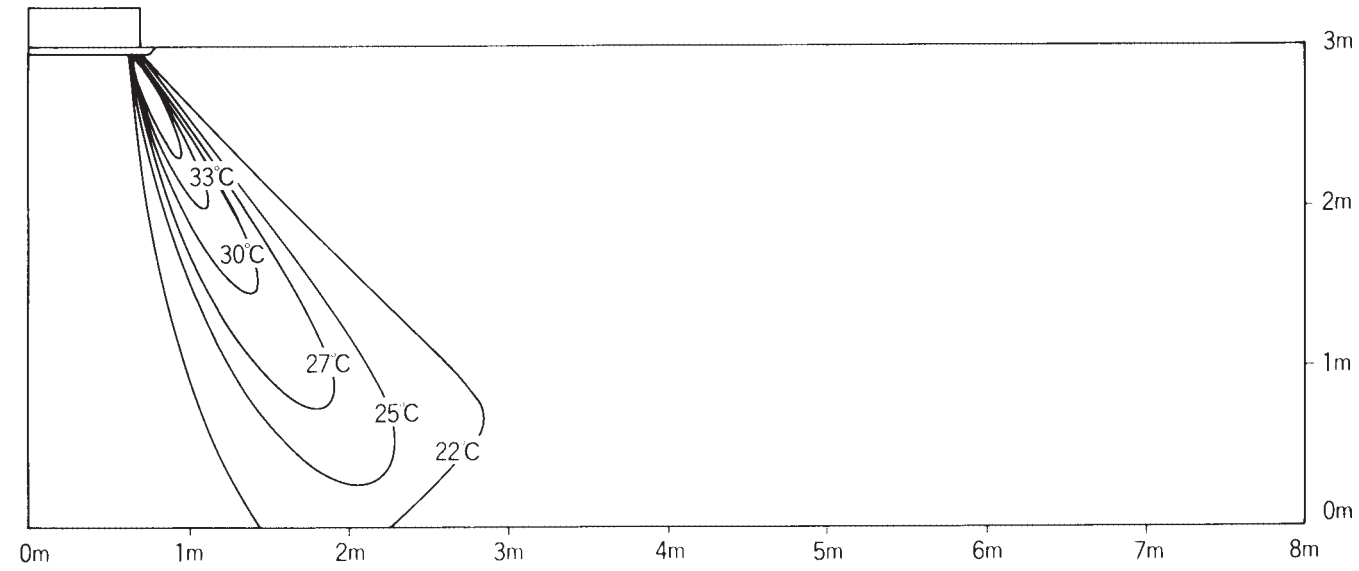
Heating Air velocity distribution

Lower air blow



Heating Temperature distribution

Lower air blow



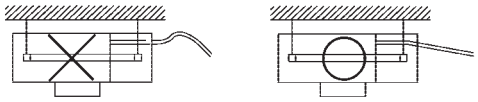
10

NOTES

1 The corner type is applicable on a high ceiling. The standard set-up height is 3 m. Shown here is the measurement distribution at the ceiling height of 3 m.

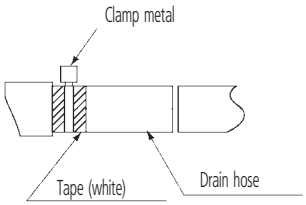
11 Drain piping

Rig the drain pipe as shown below and take measures against condensation. Improperly rigged piping could lead to leaks and eventually wet furniture and belongings.



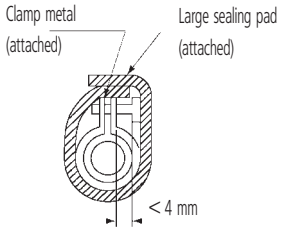
11-1 Install the drain pipes.

- Keep piping as short as possible and slope it downwards so that the air does not remain trapped inside the pipe.
- The diameter of the drain pipe should be larger than or equal to the diameter of the connecting pipe (Vinyl tube; pipe size: 25 mm; outer dimension: 32 mm).
- Use the attached drain hose and clamp metal. Insert the drain hose into the drain socket, up to the white tape. Tighten the clamp until the screw head is less than 4 mm from the hose.



CAUTION

1 Installing the unit at an angle opposite to the drain piping might cause leaks.

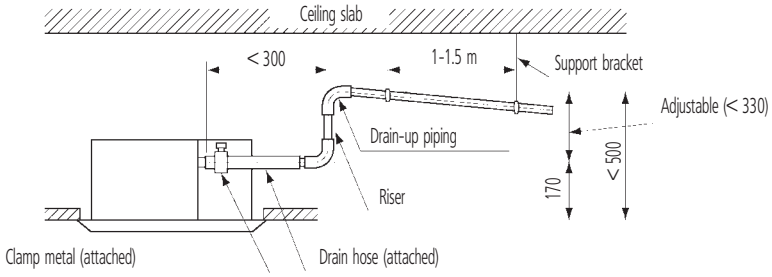


- Wrap the attached sealing pad over the clamp and drain hose to insulate.
- Insulate the drain hose inside the building.
- Insulate the clamp and drain hose with the attached large sealing pad. If the drain hose cannot be sufficiently set on a slope, execute the drain raising piping. Secure a downward gradient of 1/100 or more for the drain pipe. To accomplish this, mount supporting brackets at an interval of 1 - 1.5 m.

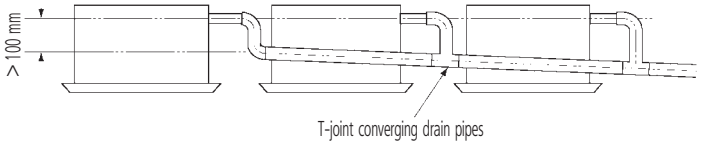
11

11-1-1 Precautions when installing drain-up piping.

- Make sure the drain-up piping is maximum 330 mm high. Install the drain-up piping horizontally, and make sure it is not further than 300 mm from the base of the drain socket.



- Use the following outline if installing concentrated drain piping. If converging multiple drain pipes, install according to the procedure shown on the right.

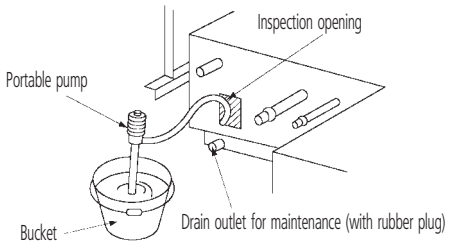


Select converging drain pipes whose gauge is suitable for the operating capacity of the unit.

11 Drain piping

11-2 When piping work is finished

- Check if drainage flows smoothly. Open the inspection opening, add approximately 1,000 cc of water slowly into the drain pan and check drainage flow.



NOTE

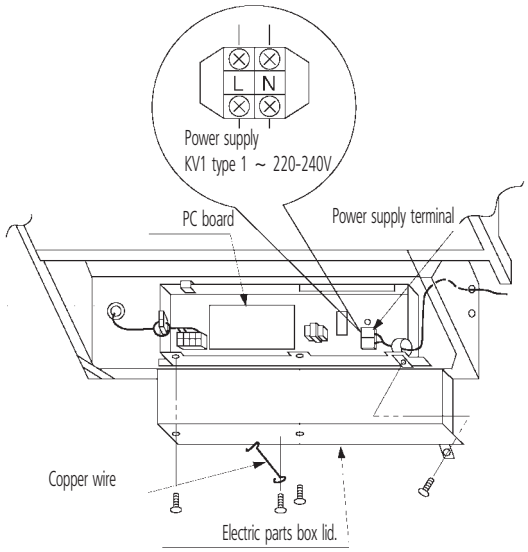
1 Use the drain outlet for maintenance to drain water from the drain pan.

11-3 When electric wiring work is finished

- Check drainage flow during COOL running, explained under "TEST OPERATION"

11-4 When electric wiring work is not finished

- Remove the electric parts box lid, connect power supply and remote control to the terminals.
  Next, press the inspection/test operation button " TEST " on the remote control. The unit will engage the test operation mode. Press the operation mode selector button " " until selection FAN OPERATION " ". Then, press the ON/OFF button " ". The indoor unit fan and drain pump will start up. Check that the water has drained from the unit. Press " TEST " to go back to the first mode.



CAUTION

1 Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.

2

VRV II Systems

ISO14001 assures an effective environmental management system in order to help protect human•health•and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the•environment.

Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

CE Daikin units comply with the European regulations that guarantee the safety of the product.

VRV products are not within the scope of the Eurovent certification programme.

Daikin equipment is designed for comfort applications. For use in other applications, please contact your local Daikin representative.

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