



technical data

VRV[®] II Systems

FXUQ-MV1 & BEVQ-MVE

4-way blow ceiling suspended unit

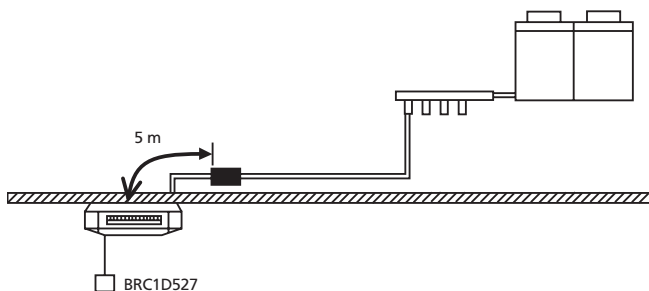
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FXUQ-MV1

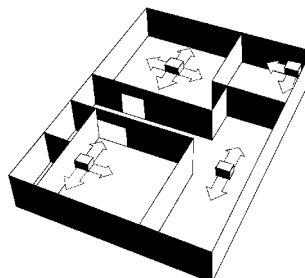
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1 Features

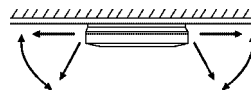
- Group control with other VRV indoor units possible
- Cool heat selection
- Prevention of cold draught at hot start, defrost and oil return in heating
- 5m maximum distance between FXUQ unit and junction box



- Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners



- Air can be discharged at 5 different angles between 0 and 60 degrees



- Auto-swing function ensures efficient air and temperature distribution.
- Air flow distribution for ceiling heights up to 3.5m without loss of capacity.
- Air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated.

1



2 Specifications

2-1 TECHNICAL SPECIFICATIONS				FXUQ71MV1		FXUQ100MV1		FXUQ125MV1	
Power input (Nominal)	Cooling		kW	0.180		0.289		0.289	
	Heating		kW	0.160		0.269		0.269	
Casing	Colour			White					
	Material			Resin					
Dimensions	Packing	Height	mm	230		295		295	
		Width	mm	960		960		960	
		Depth	mm	960		960		960	
	Unit	Height	mm	165		230		230	
		Width	mm	895		895		895	
		Depth	mm	895		895		895	
Weight	Machine Weight		kg	25		31		31	
	Gross Weight		kg	35		42		42	
Heat Exchanger	Dimensions	Length	mm	2101		2101		2101	
		Nr of Rows		3		3		3	
		Fin Pitch	mm	1.50		1.50		1.50	
		Nr of Passes		8		8		12	
		Face Area	m ²	0.265		0.353		0.353	
		Nr of Stages		6		8		8	
	Empty Tubeplate Hole		-		4		-		
	Fin	Fin type		Cross fin coil (Multi louver fins and N-hix tubes)					
Fan	Type			Turbo fan					
	Quantity			1		1		1	
Air Flow Rate	Cooling	High		19.00		29.00		32.00	
		Low		14.00		21.00		23.00	
	Heating	High		19.00		29.00		32.00	
		Low		14.00		21.00		23.00	
Fan	Motor	Steps		2		2		2	
		Output (high)	W	45		90		90	
Refrigerant	Name			R-410A					
Sound Level	Cooling	Sound power (nominal)	dBA	56.0		59.0		60.0	
Cooling	Sound Pressure	High	dBA	40.0		43.0		44.0	
		Low	dBA	35.0		38.0		39.0	
Heating	Sound Pressure	High	dBA	40.0		43.0		44.0	
		Low	dBA	35.0		38.0		39.0	
Piping connections	Liquid (OD)	Type		Flare connection					
		Diameter	mm	9.5		9.5		9.5	
	Gas	Type		Flare connection					
		Diameter	mm	15.9		15.9		15.9	
	Drain	Diameter	mm	I.D. 20/O.D. 26					
	Heat Insulation			Heat resistant foamed polyethylene, regular foamed polyethylene					
Remote Control	Infrared	Cooling only		BRC7C529W					
		Heating only		BRC7C528W					
Air Filter				Resin net with mold resistance					
Safety devices				Fan motor thermal protector					

2-1 TECHNICAL SPECIFICATIONS			FXUQ71MV1	FXUQ100MV1	FXUQ125MV1
Standard Accessories	Standard Accessories		Drain hose		
	Quantity		1	1	1
	Standard Accessories		Metal clamp for drain hose		
	Quantity		1	1	1
	Standard Accessories		Washer for locking hanger		
	Quantity		8	8	8
	Standard Accessories		Clamps		
	Quantity		6	6	6
	Standard Accessories		Washer fixing plate		
	Quantity		4	4	4
	Standard Accessories		Insulation for fitting		
	Quantity		2	2	2
	Standard Accessories		Sealing Pads		
	Quantity		2	2	2
	Standard Accessories		Elbow		
	Quantity		1	1	1
	Standard Accessories		Paper pattern for installation		
	Quantity		1	1	1
	Standard Accessories		Blocking pad		
	Quantity		2	2	2
	Standard Accessories		Retainer for blocking pad		
	Quantity		4	4	4
	Standard Accessories		Center retainer for blocking pad		
	Quantity		2	2	2
	Standard Accessories		Installation and operation manual		
	Quantity		1	1	1

2-2 ELECTRICAL SPECIFICATIONS				FXUQ71MV1	FXUQ100MV1	FXUQ125MV1
Power Supply	Name			V1		
	Phase			1	1	1
	Frequency	Hz		50	50	50
	Voltage	V		220-240		
Current	Full load amps (FLA)		A	0.60	1.00	1.00

2 - 3 Safety device settings

FXUQ-MV1		71	100	125
FAN MOTOR THERMAL PROTECTOR	°C	OFF: 130 ^{±5}		

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3 Options

FXUQ-MV1	71	100	125
SEALING MEMBER OF AIR DISCHARGE OUTLET	KDBHJ49F80	KDBHJ49F140	
DECORATION PANEL FOR AIR DISCHARGE	KDBTJ49F80	KDBTJ49F140	
VERTICAL FLAP KIT	KDGI49F80	KDGI49F140	
REPLACEMENT LONG-LIFE FILTER	KAFJ495F140		
L CONNECTION PIPING KIT	KHFP49M63	KHFP49M140	

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4 Control systems

Individual control systems

WIRED REMOTE CONTROL		BRC1D527
INFRARED REMOTE CONTROL	Heat pump	BRC7C528W
	Cooling only	BRC7C529W

Centralised control systems

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

Others

GROUP CONTROL ADAPTOR ※1	KRP4A53
INTERFACE ADAPTER FOR SKY AIR SERIES	DTA102A52
INSTALLATION BOX FOR ADAPTER PCB	KRP1B97
REMOTE SENSOR	KRCS01-1
CONNECTOR FOR FORCED ON, FORCED OFF	EKF0F0

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NOTE

- 1 ※ Installation box for adapter PCB (KRP1B97) is necessary.

5 Capacity tables

5 - 1 Cooling capacity tables

FXUQ-MV1

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
71	8.0	10.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.6	6.2	10.5	6.3
		12.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.6	6.2	10.4	6.2
		14.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.6	6.2	10.3	6.2
		16.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.6	6.2	10.1	6.1
		18.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.6	6.2	10.0	6.0
		20.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.6	6.2	9.8	5.9
		21.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.6	6.2	9.8	5.9
		23.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.4	6.2	9.6	5.8
		25.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.3	6.1	9.5	5.7
		27.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.2	6.0	9.4	5.7
		29.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	9.0	5.9	9.2	5.7
		31.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	8.9	5.8	9.1	5.6
		33.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.5	6.0	8.7	5.8	8.9	5.6
		35.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.0	8.4	6.0	8.6	5.7	8.8	5.5
		37.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	5.9	8.3	6.0	8.5	5.8	8.7	5.4
		39.0	5.4	4.8	6.4	5.2	7.5	5.8	8.0	6.1	8.1	5.9	8.3	5.6	8.5	5.4
100	11.2	10.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.4	8.4	14.7	8.5
		12.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.4	8.4	14.5	8.4
		14.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.4	8.4	14.4	8.3
		16.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.4	8.4	14.2	8.2
		18.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.4	8.4	14.0	8.1
		20.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.4	8.4	13.8	8.0
		21.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.4	8.4	13.7	7.9
		23.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.2	8.2	13.5	7.8
		25.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	13.0	8.1	13.3	7.7
		27.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	12.8	8.0	13.1	7.7
		29.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	12.6	7.9	12.9	7.6
		31.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	12.4	7.9	12.7	7.6
		33.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.9	8.3	12.2	7.8	12.5	7.6
		35.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.8	8.3	12.1	7.7	12.3	7.4
		37.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.6	8.3	11.9	7.7	12.2	7.3
		39.0	7.6	6.6	9.0	7.1	10.5	8.0	11.2	8.2	11.4	8.2	11.7	7.6	12.0	7.3
125	14.0	10.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.8	10.7	18.4	10.8
		12.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.8	10.7	18.2	10.7
		14.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.8	10.7	18.0	10.5
		16.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.8	10.7	17.7	10.4
		18.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.8	10.7	17.5	10.2
		20.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.8	10.7	17.2	10.1
		21.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.8	10.7	17.1	10.0
		23.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.5	10.5	16.9	9.9
		25.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.3	10.4	16.6	9.9
		27.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	16.1	10.2	16.4	9.8
		29.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	15.8	10.1	16.2	9.7
		31.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	15.6	10.0	15.9	9.6
		33.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.9	10.6	15.3	9.9	15.7	9.6
		35.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.8	10.5	15.1	9.9	15.4	9.4
		37.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.5	10.5	14.9	9.8	15.2	9.4
		39.0	9.5	8.0	11.3	9.0	13.1	9.9	14.0	10.4	14.3	10.2	14.6	9.6	15.0	9.3

5 Capacity tables

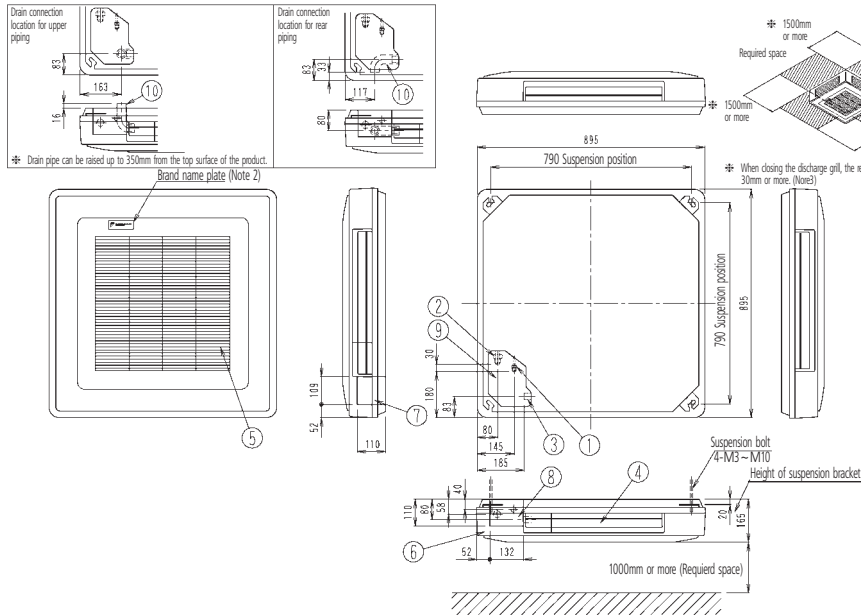
5 - 2 Heating capacity tables

FXUQ-MV1

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
71	9.0	-19.8	-20.0	5.3	5.3	5.3	5.3	5.3	5.3
		-18.8	-19.0	5.5	5.5	5.4	5.4	5.4	5.4
		-16.7	-17.0	5.8	5.8	5.8	5.7	5.7	5.7
		-14.7	-15.0	6.1	6.1	6.1	6.1	6.1	6.1
		-12.6	-13.0	6.4	6.4	6.4	6.4	6.4	6.4
		-10.5	-11.0	6.7	6.7	6.7	6.7	6.7	6.7
		-9.5	-10.0	6.9	6.9	6.9	6.9	6.9	6.8
		-8.5	-9.1	7.1	7.0	7.0	7.0	7.0	7.0
		-7.0	-7.6	7.3	7.3	7.3	7.3	7.2	7.2
		-5.0	-5.6	7.6	7.6	7.6	7.6	7.5	7.5
		-3.0	-3.7	7.9	7.9	7.9	7.9	7.9	7.9
		0.0	-0.7	8.4	8.4	8.3	8.3	8.3	7.9
		3.0	2.2	8.9	8.8	8.8	8.7	8.4	7.9
		5.0	4.1	9.1	9.1	9.0	8.7	8.4	7.9
		7.0	6.0	9.5	9.4	9.0	8.7	8.4	7.9
		9.0	7.9	9.8	9.6	9.0	8.7	8.4	7.9
		11.0	9.8	10.1	9.6	9.0	8.7	8.4	7.9
		13.0	11.8	10.1	9.6	9.0	8.7	8.4	7.9
		15.0	13.7	10.1	9.6	9.0	8.7	8.4	7.9
100	12.5	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3	7.3
		-18.8	-19.0	7.6	7.6	7.6	7.5	7.5	7.5
		-16.7	-17.0	8.0	8.0	8.0	8.0	8.0	8.0
		-14.7	-15.0	8.5	8.5	8.4	8.4	8.4	8.4
		-12.6	-13.0	8.9	8.9	8.9	8.9	8.9	8.8
		-10.5	-11.0	9.4	9.3	9.3	9.3	9.3	9.3
		-9.5	-10.0	9.6	9.6	9.5	9.5	9.5	9.5
		-8.5	-9.1	9.8	9.8	9.7	9.7	9.7	9.7
		-7.0	-7.6	10.1	10.1	10.1	10.1	10.1	10.0
		-5.0	-5.6	10.6	10.5	10.5	10.5	10.5	10.5
		-3.0	-3.7	11.0	11.0	10.9	10.9	10.9	10.9
		0.0	-0.7	11.6	11.6	11.6	11.6	11.6	10.9
		3.0	2.2	12.3	12.3	12.2	12.1	11.7	10.9
		5.0	4.1	12.7	12.7	12.5	12.1	11.7	10.9
		7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
		9.0	7.9	13.5	13.3	12.5	12.1	11.7	10.9
		11.0	9.8	14.0	13.3	12.5	12.1	11.7	10.9
		13.0	11.8	14.1	13.3	12.5	12.1	11.7	10.9
		15.0	13.7	14.1	13.3	12.5	12.1	11.7	10.9
125	14.0	-19.8	-20.0	8.3	8.2	8.2	8.2	8.2	8.2
		-18.8	-19.0	8.5	8.5	8.4	8.4	8.4	8.4
		-16.7	-17.0	9.0	9.0	9.0	8.9	8.9	8.9
		-14.7	-15.0	9.5	9.5	9.5	9.4	9.4	9.4
		-12.6	-13.0	10.0	10.0	10.0	10.0	9.9	9.9
		-10.5	-11.0	10.5	10.5	10.4	10.4	10.4	10.4
		-9.5	-10.0	10.8	10.7	10.7	10.7	10.7	10.6
		-8.5	-9.1	11.0	10.9	10.9	10.9	10.9	10.8
		-7.0	-7.6	11.3	11.3	11.3	11.3	11.2	11.2
		-5.0	-5.6	11.8	11.8	11.8	11.8	11.7	11.7
		-3.0	-3.7	12.3	12.3	12.3	12.2	12.2	12.2
		0.0	-0.7	13.0	13.0	13.0	13.0	13.0	12.2
		3.0	2.2	13.8	13.7	13.7	13.6	13.1	12.2
		5.0	4.1	14.2	14.2	14.0	13.6	13.1	12.2
		7.0	6.0	14.7	14.7	14.0	13.6	13.1	12.2
		9.0	7.9	15.2	14.9	14.0	13.6	13.1	12.2
		11.0	9.8	15.6	14.9	14.0	13.6	13.1	12.2
		13.0	11.8	15.8	14.9	14.0	13.6	13.1	12.2
		15.0	13.7	15.8	14.9	14.0	13.6	13.1	12.2

6 Dimensional drawing

FXUQ71MV1



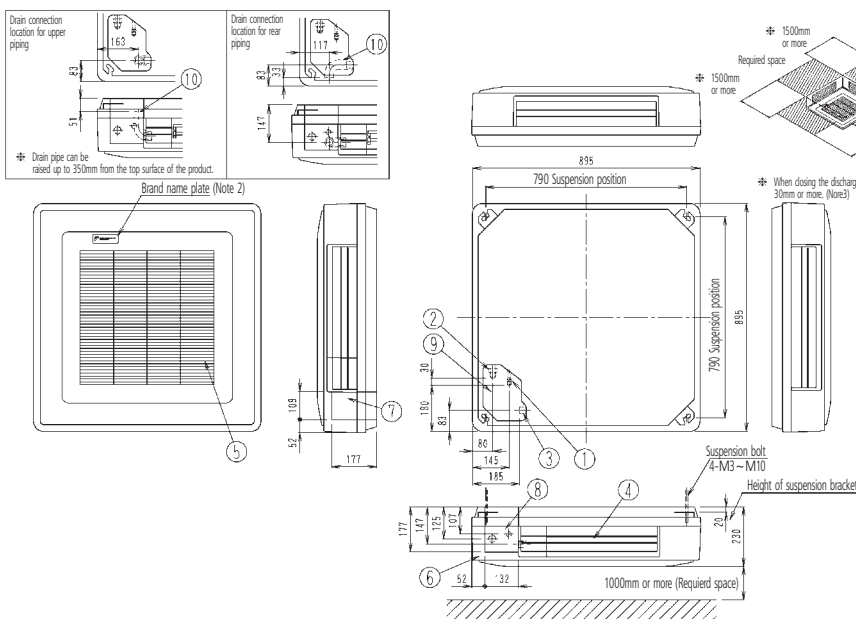
Nr	Part name	Description
1	Liquid pipe connection	ø 9.5 Flare connection
2	GAS pipe connection	ø 15.9 Flare connection
3	Drain pipe connection	VP20
4	Air outlet	
5	Air suction grille	
6	Corner decoration cover	
7	Right pipe/wiring connection	
8	Rear pipe/wiring connection	
9	Pipe through cover	
10	Accessory drain elbow	

NOTES

- Location for manufacture's label: on bell mouth.
- This is where the signal of infrared remote control is received. Refer to the drawing of wireless remote controller in detail.
- When closing the discharge grill (2 or 3 way discharge), direction of pipe connection will be limited, please refer to Installation manual.

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FXUQ100-125MV1



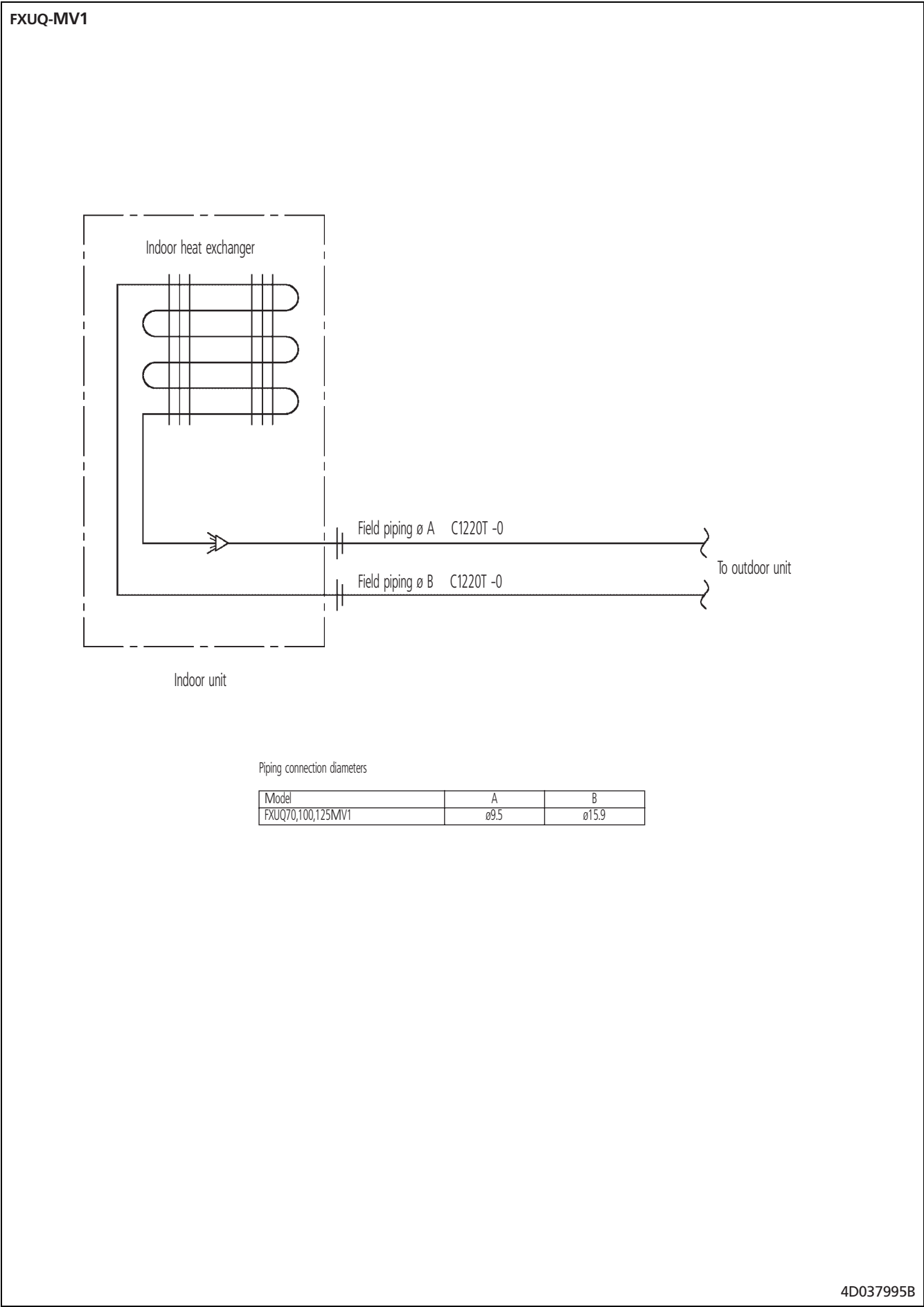
Nr	Part name	Description
1	Liquid pipe connection	ø 9.5 Flare connection
2	GAS pipe connection	ø 15.9 Flare connection
3	Drain pipe connection	VP20
4	Air outlet	
5	Air suction grille	
6	Corner decoration cover	
7	Right pipe/wiring connection	
8	Rear pipe/wiring connection	
9	Pipe through cover	
10	Accessory drain elbow	

NOTES

- Location for manufacture's label: on bell mouth.
- This is where the signal of infrared remote control is received. Refer to the drawing of wireless remote controller in detail.
- When closing the discharge grill (2 or 3 way discharge), direction of pipe connection will be limited, please refer to Installation manual.

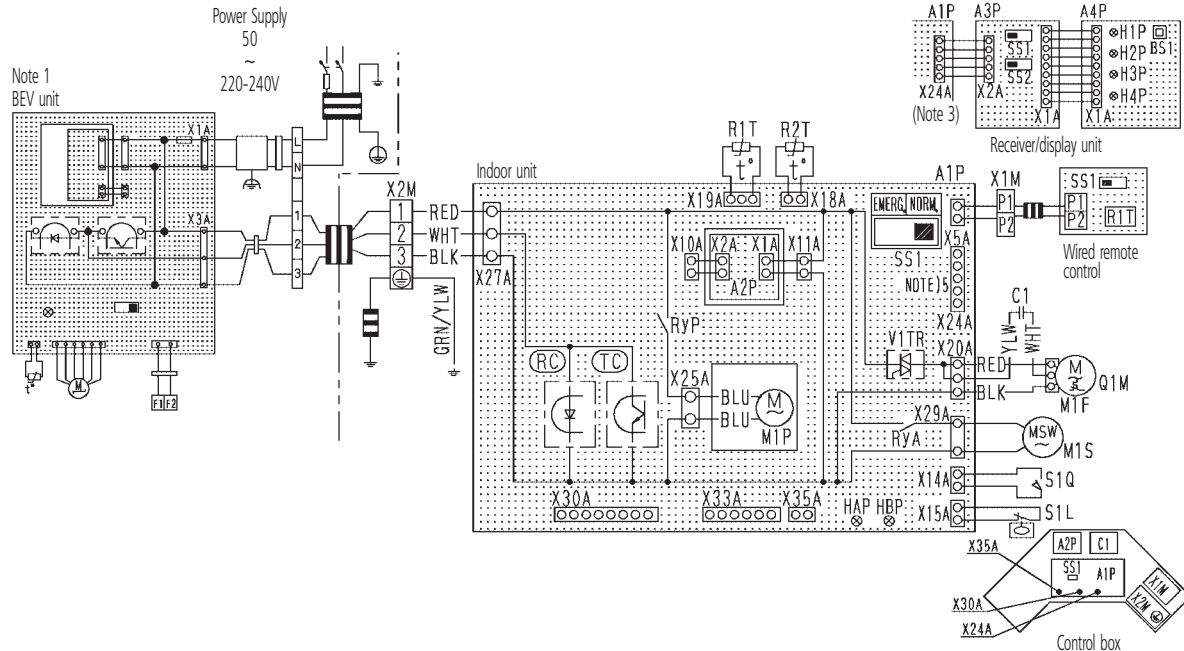
3D044898A

7 Piping diagram



8 Wiring diagram

FXUQ-MV1



Indoor unit		RYP	Magnetic relay (M1P)	Receiver/Display unit (Attached to wireless remote control)	
A1P	Printed circuit board	S1Q	Limit switch (Swing flap)	A3P	Printed circuit board
A2P	Printed circuit board (Transformer 220 ~ 240V/16V)	S1L	Float switch	A4P	Printed circuit board
C1	Capacitor (M1F)	SS1	Selector switch (Emergency)	BS1	Push button (ON/OFF)
HAP	Light emitting diode (Service monitor-green)	V1TR	Phase control circuit	H1P	Light emitting diode (ON-Red)
HBP	Light emitting diode (Service monitor-green)	X1M	Terminal strip	H2P	Light emitting diode (Timer-Green)
M1S	Motor (Swing flap)	X2M	Terminal strip	H3P	Light emitting diode (Filter sign-Red)
M1F	Motor (Indoor Fan)	RC	Signal receiver	H4P	Light emitting diode (Defrost-Orange)
M1P	Motor (Drain pump)	TC	Signal transmission circuit	SS1	Selector switch (Main/Sub)
Q1M	Thermo switch (M1F embedded)			SS2	Selector switch (Wireless address set)
R1T	Thermistor (Air)				Connector for optional parts
R2T	Thermistor (Coil)	Wired remote control		X24A	Connector (Infrared remote control)
RYA	Magnetic relay (M1A)	R1T		X30A	Connector (Interface adapter for sky air series)
		SS1		X35A	Connector (Group control adapter)

 : Terminal
 : Connector
 : Field wiring

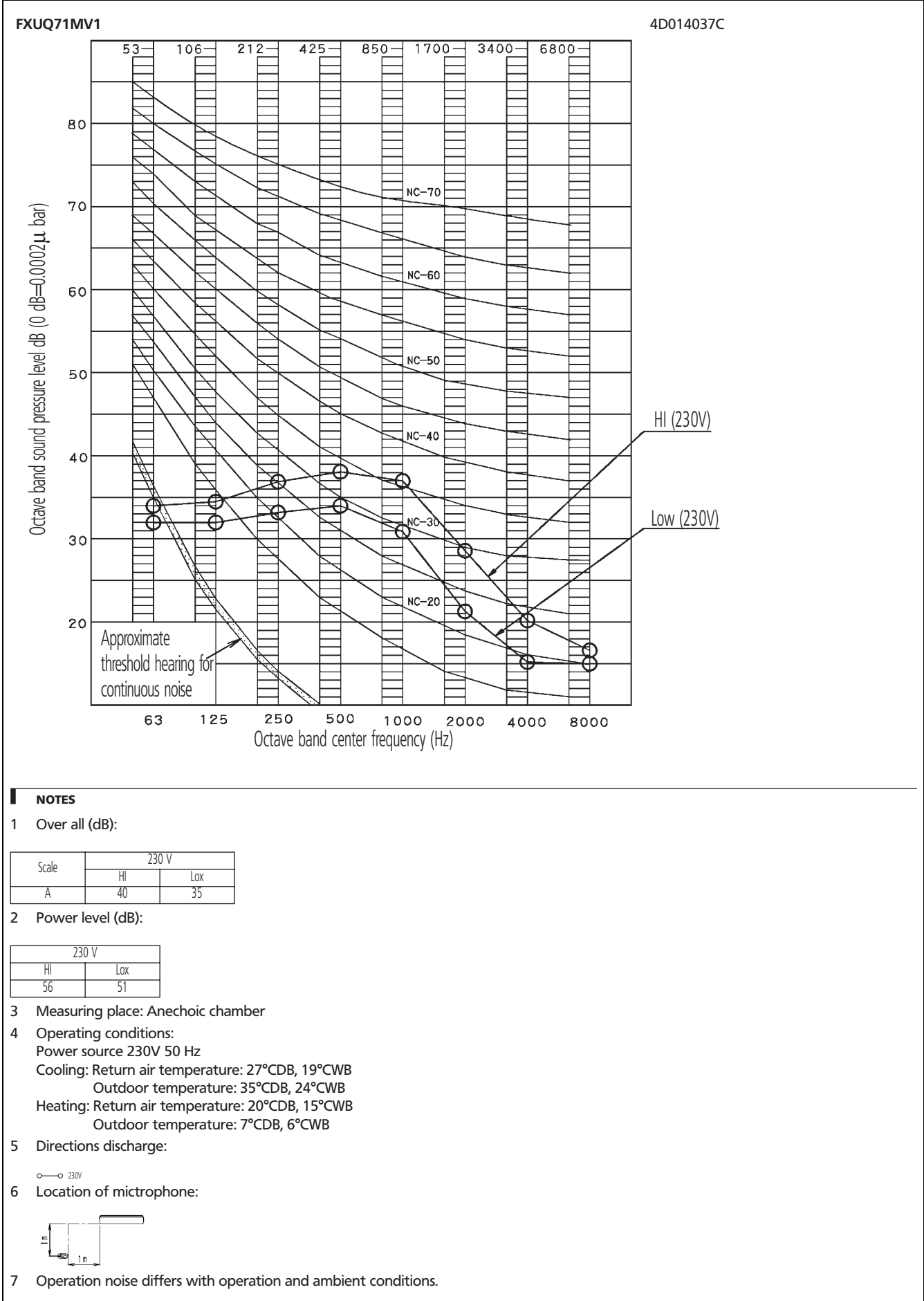
COLORS : RED : Red BLK : Black
 WHT : White YLW : Yellow
 GRN : Green BLU : Bleu

NOTES

- 1 The BEV unit shows an outline, please refer to a wiring diagram of BEV unit pasting in detail.
2 In case using central remote control, connect it to the unit in accordance with the attached installation manual.
3 X24A is connected when the infrared remote control kit is being used.
4 Remote control model varies according to the combination system, confirm engineering materials and catalogs, etc. before connecting.
5 Confirm the method of setting the selector switch (SS1, SS2) of wired remote control and infrared remote control by installation manual and engineering data, etc.

9 Sound data

9 - 1 Sound pressure spectrum

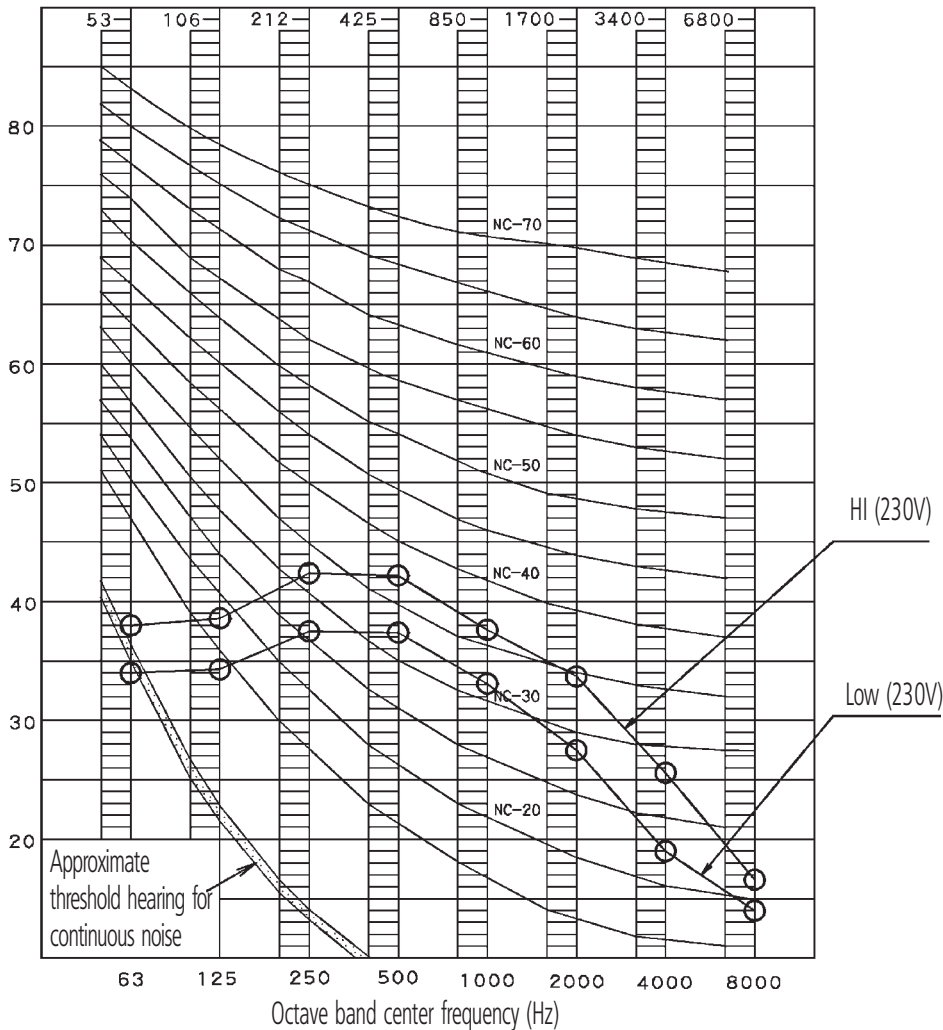


9 Sound data

9 - 1 Sound pressure spectrum

FXUQ100MV1

4D0140038C



NOTES

1 Over all (dB):

Scale	50 Hz 240 V	
	HI	Lox
A	43	38

2 Power level (dB):

230 V	
HI	Lox
59	54

3 Measuring place: Anechoic chamber

4 Operating conditions:

Power source 230V 50 Hz

Cooling: Return air temperature: 27°CDB, 19°CWB

Outdoor temperature: 35°CDB, 24°CWB

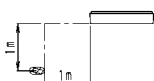
Heating: Return air temperature: 20°CDB, 15°CWB

Outdoor temperature: 7°CDB, 6°CWB

5 Directions discharge:

○ ○ 230V

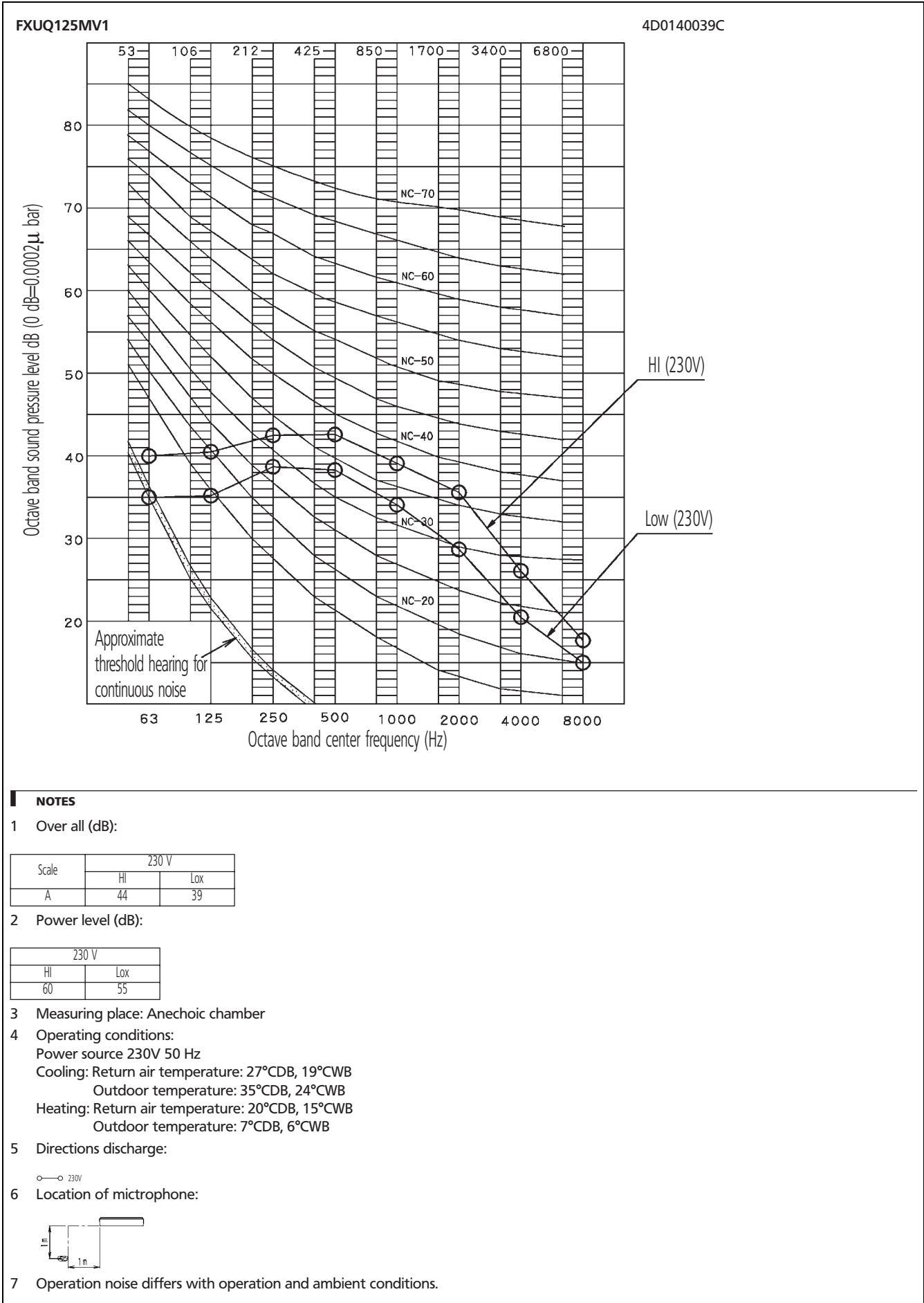
6 Location of microphone:



7 Operation noise differs with operation and ambient conditions.

9 Sound data

9 - 1 Sound pressure spectrum

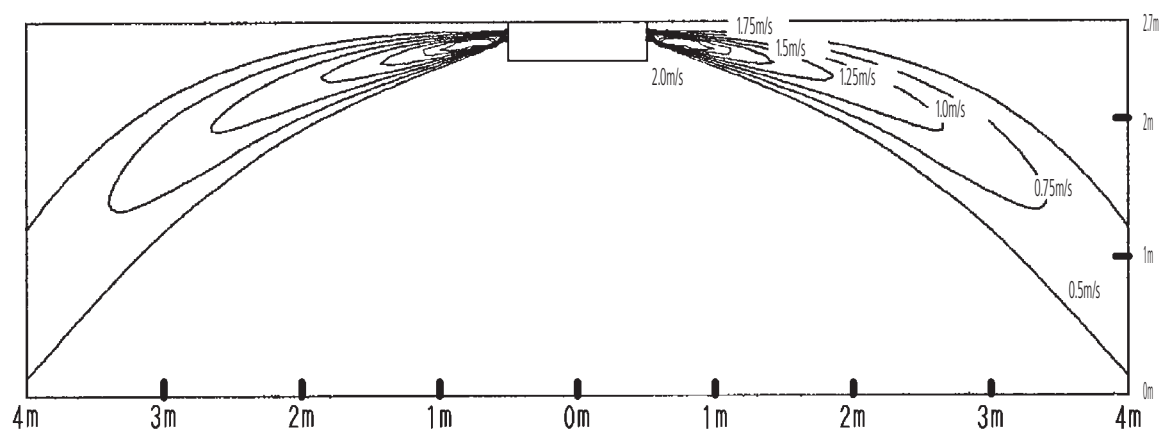


10 Air flow pattern

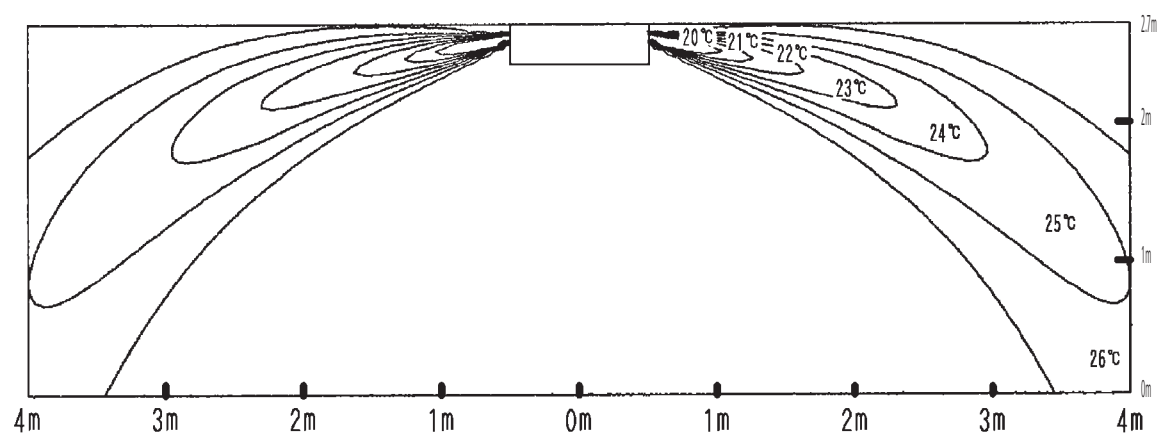
10 - 1 Air flow pattern - Cooling

FXUQ71MV1

Cooling - air velocity distribution
4-way discharge, air flow direction: horizontal



Cooling - air temperature distribution
4-way discharge, air flow direction: horizontal



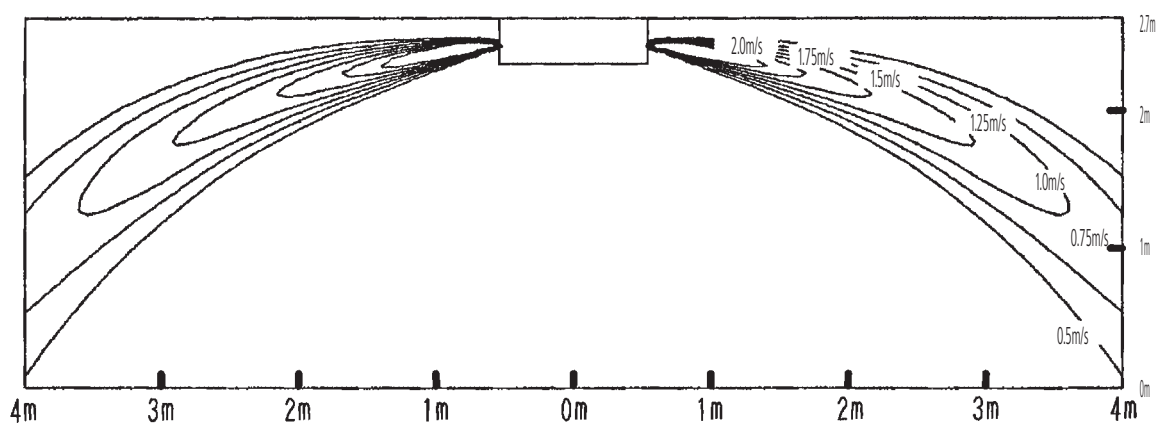
4D028396B

10 Air flow pattern

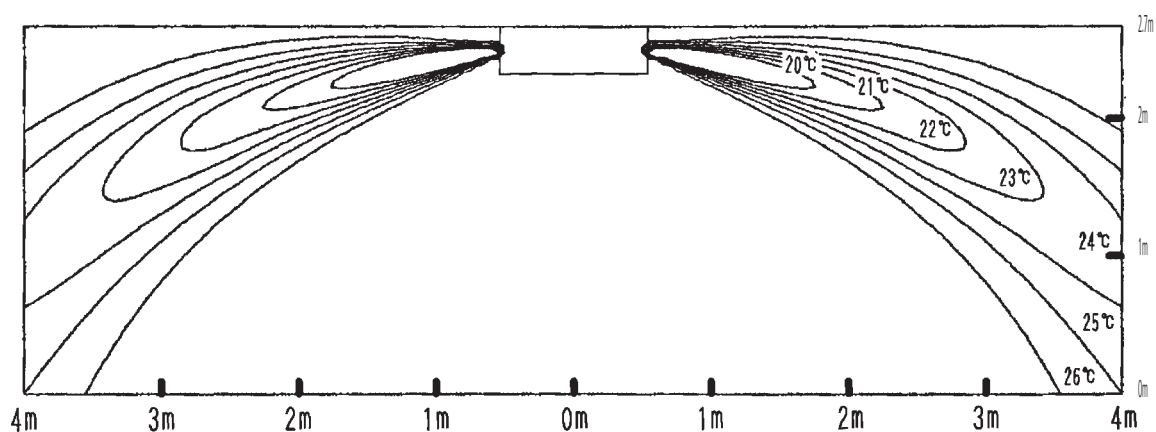
10 - 1 Air flow pattern - Cooling

FXUQ100MV1

Cooling - air velocity distribution
4-way discharge, air flow direction: horizontal



Cooling - air temperature distribution
4-way discharge, air flow direction: horizontal



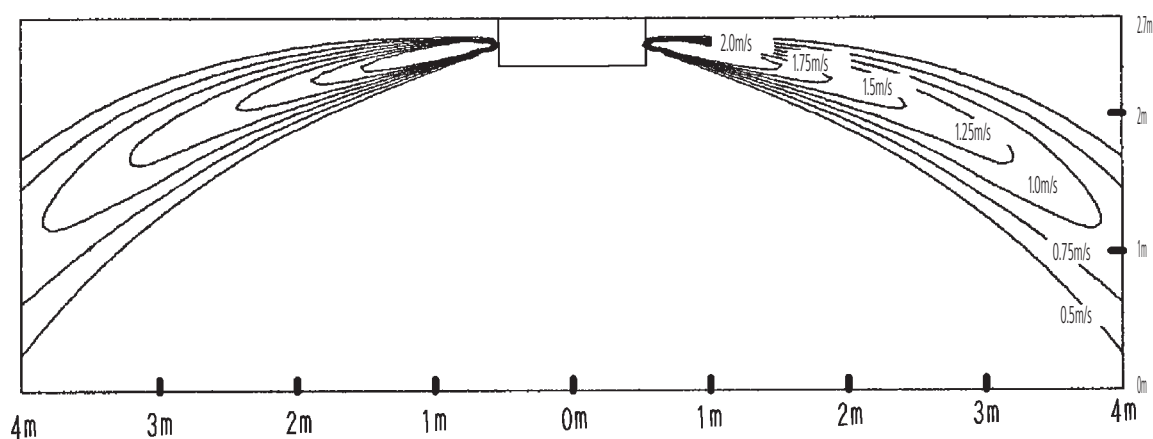
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10 Air flow pattern

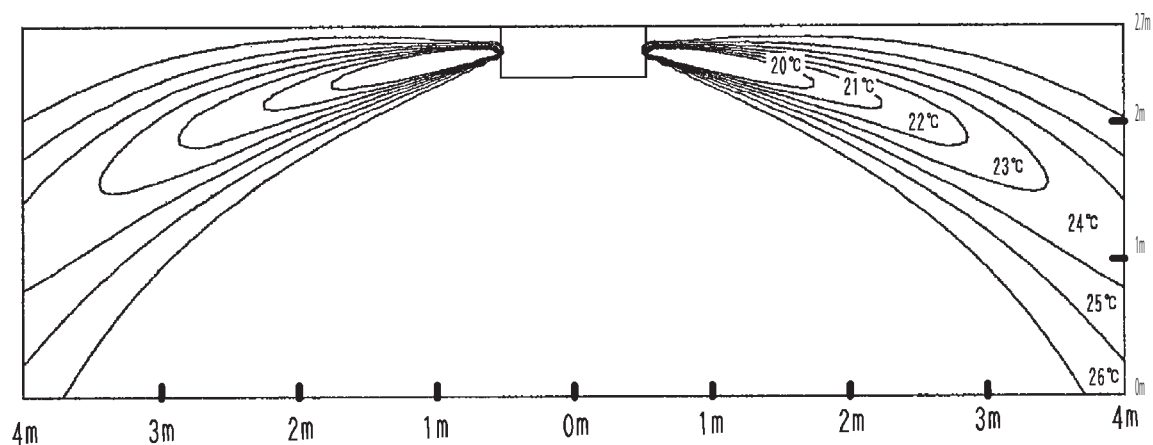
10 - 1 Air flow pattern - Cooling

FXUQ125MV1

Cooling - air velocity distribution
4-way discharge, air flow direction: horizontal



Cooling - air temperature distribution
4-way discharge, air flow direction: horizontal



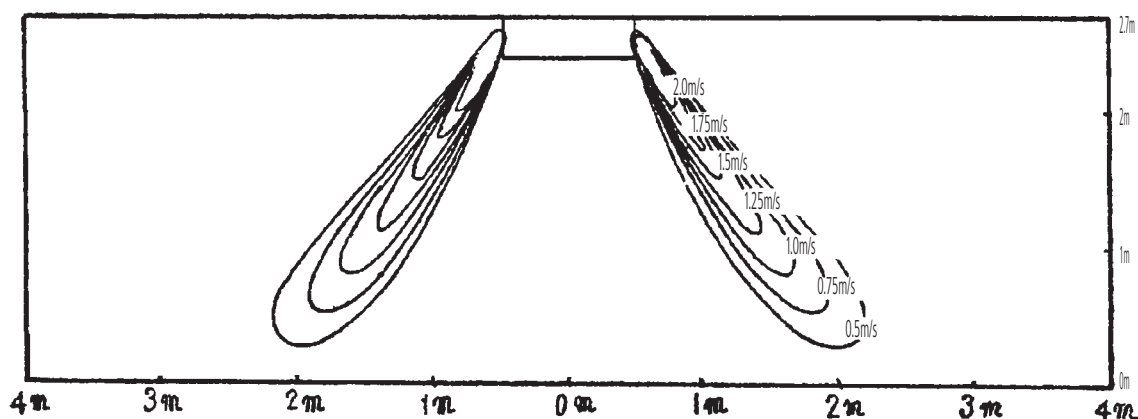
4D028398B

10 Air flow pattern

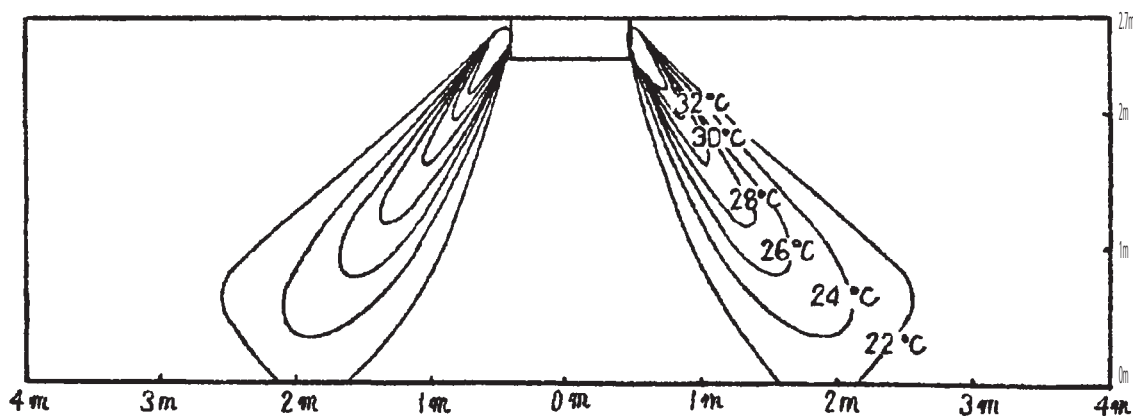
10 - 2 Air flow pattern - Heating

FXUQ71MV1

Heating - air velocity distribution
4-way discharge, air flow direction: down



Heating - air temperature distribution
4-way discharge, air flow direction: down



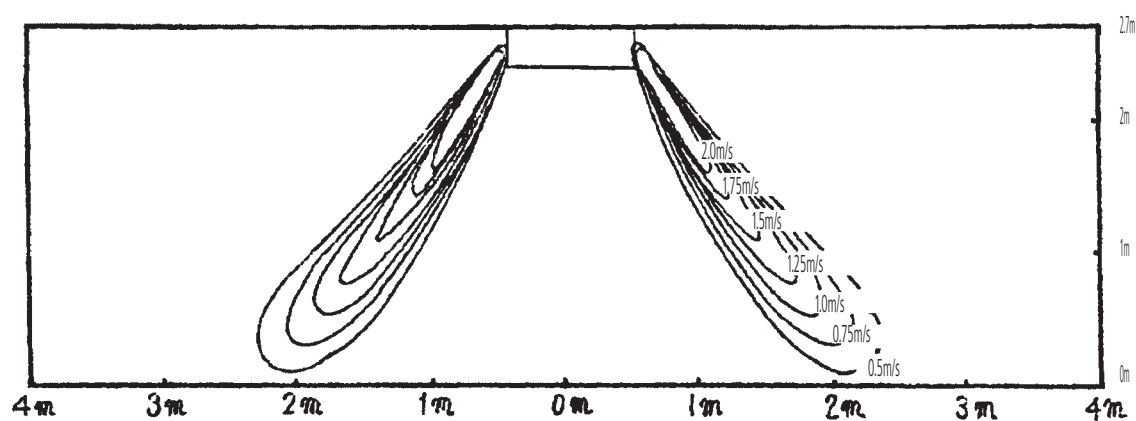
4D013863C

10 Air flow pattern

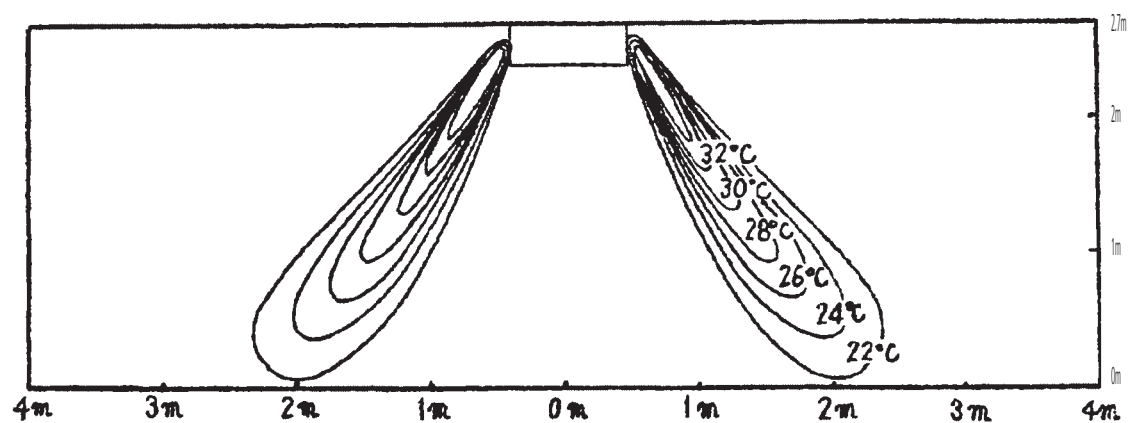
10 - 2 Air flow pattern - Heating

FXUQ100MV1

Heating - air velocity distribution
4-way discharge, air flow direction: down



Heating - air temperature distribution
4-way discharge, air flow direction: down



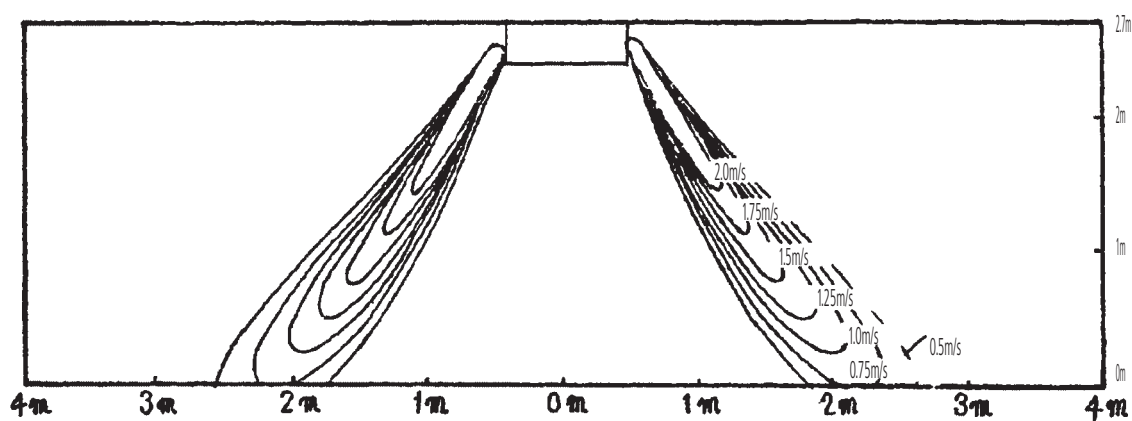
4D014054C

10 Air flow pattern

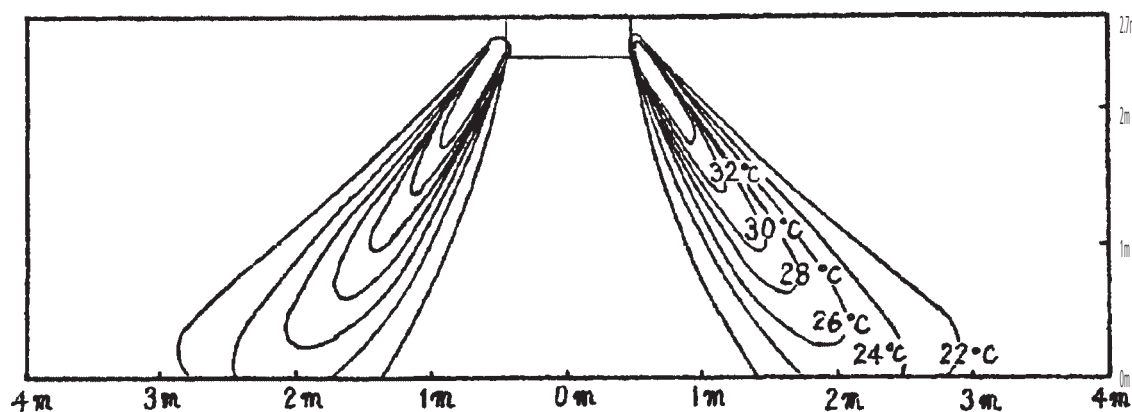
10 - 2 Air flow pattern - Heating

FXUQ125MV1

Heating - air velocity distribution
4-way discharge, air flow direction: down



Heating - air temperature distribution
4-way discharge, air flow direction: down



4D014055C

11 Junction box - BEVQ-MVE

11 - 1 Specifications

11 - 1 - 1 Technical Specifications				BEVQ71MVE	BEVQ100MVE	BEVQ125MVE
Power input (Nominal)	Cooling		kW	0.189	0.298	0.298
	Heating		kW	0.169	0.278	0.278
Casing	Material			Galvanised steel plate		
Dimensions	Unit	Height	mm	100	100	100
		Width	mm	350	350	350
		Depth	mm	225	225	225
Sound absorbing thermal insulation material				Flame and heat resistant foamed polyetherene		
Weight	Machine Weight		kg	3.0	3.0	3.5
Indoor Units	Liquid (OD)	Type		Flare connection		
		Diameter	mm	9.5	9.5	9.5
	Gas	Type		Flare connection		
		Diameter	mm	15.9	15.9	15.9
Outdoor Unit	Liquid (OD)	Type		Flare connection		
		Diameter	mm	9.5	9.5	9.5
	Suction gas (OD)	Type		Flare connection		
		Diameter	mm	15.9	15.9	15.9
Standard Accessories	Item			Installation manual		
	Quantity			1	1	1
	Item			Gas piping connections		
	Quantity			1	1	1
	Item			Insulation for fitting		
	Quantity			3	3	3
	Item			Sealing material		
	Quantity			3	3	3
	Item			Clamps		
Quantity			9	9	9	

11 - 1 - 2 Electrical Specifications				BEVQ71MVE	BEVQ100MVE	BEVQ125MVE
Power Supply	Name			VE		
	Phase			1~		
	Frequency	Hz		50/60		
	Voltage	V		220-240		
Voltage range	Minimum	V		-10%		
	Maximum	V		+10%		
Total circuit	Minimum circuit amps (MCA)	A		0.8	1.3	1.3
	Maximum fuse amps (MFA)	A		15	15	15

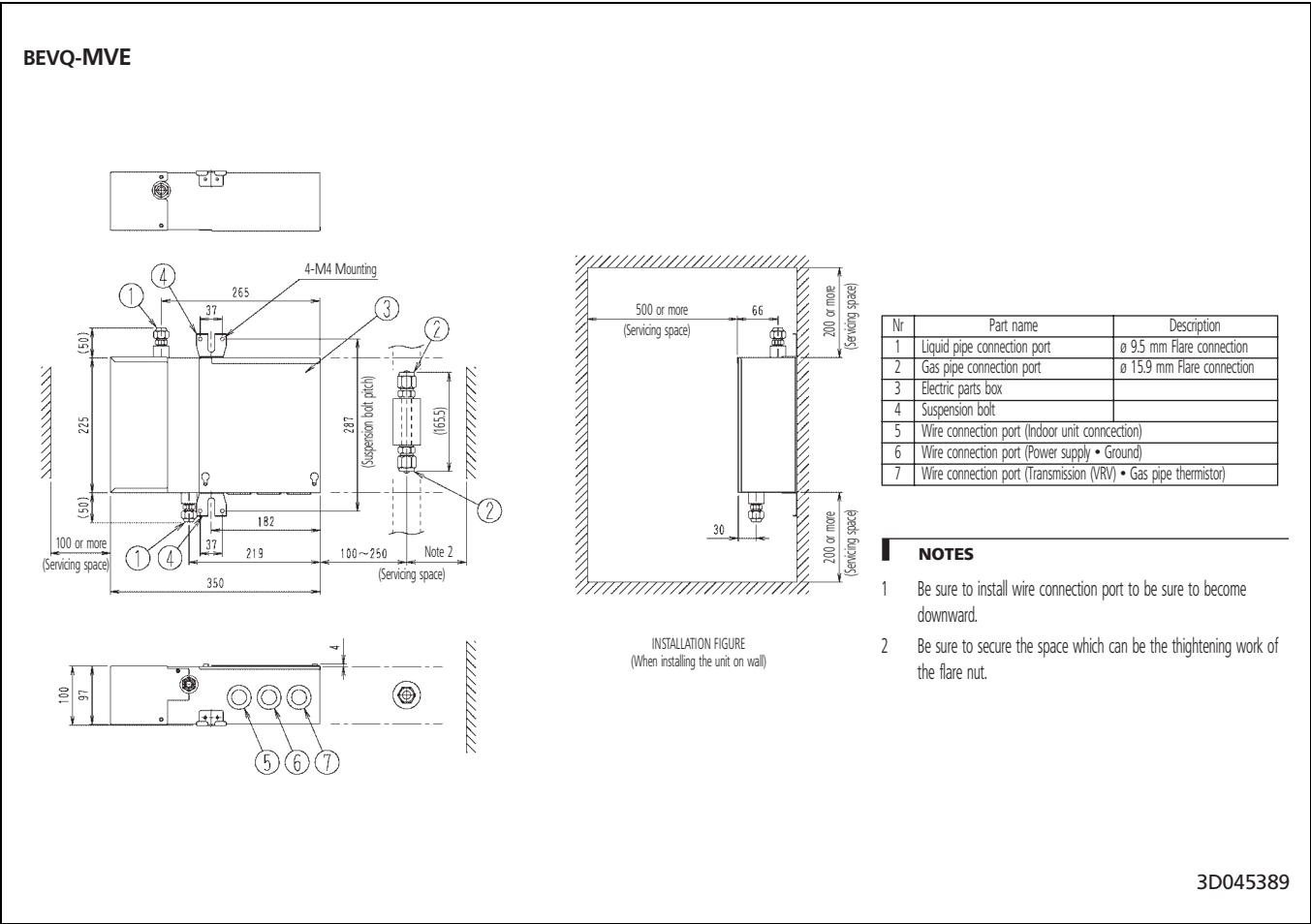
NOTES

- Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
- Maximum allowable voltage range variation between phases is 2%.
 - MCA/MFA
 - MCA=1.25 X FLA
- MFA is smaller than or equal to 4 x FLA
- Next lower standard fuse rating minimum 15A
- Select wire size based on MCA
- Instead of a fuse, use a circuit breaker

11 Junction box - BEVQ-MVE

11 - 2 Dimensional drawing & centre of gravity

11 - 2 - 1 Dimensional drawing - Wall mounted installation

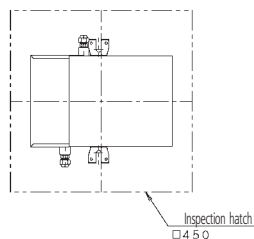
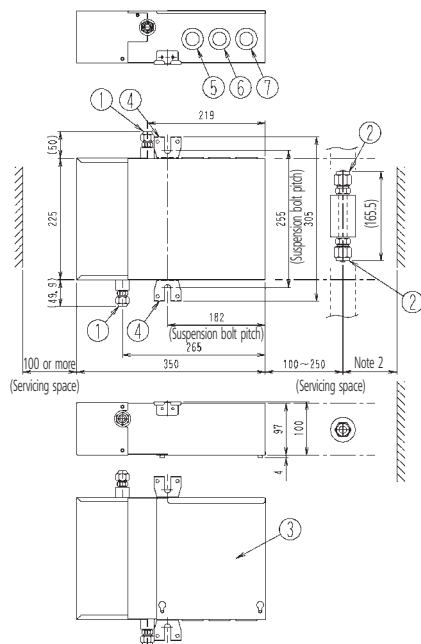


11 Junction box - BEVQ-MVE

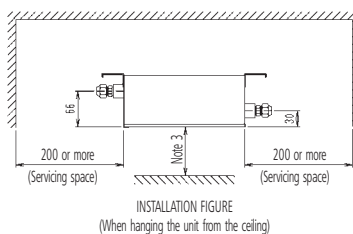
11 - 2 Dimensional drawing & centre of gravity

11 - 2 - 2 Dimensional drawing - Ceiling suspended installation

BEVQ-MVE



Nr	Part name	Description
1	Liquid pipe connection port	ø 9.5 mm Flare connection
2	Gas pipe connection port	ø 15.9 mm Flare connection
3	Electric parts box	
4	Suspension bolt	
5	Wire connection port (Indoor unit connection)	
6	Wire connection port (Power supply • Ground)	
7	Wire connection port (Transmission (VRV) • Gas pipe thermostat)	



NOTES

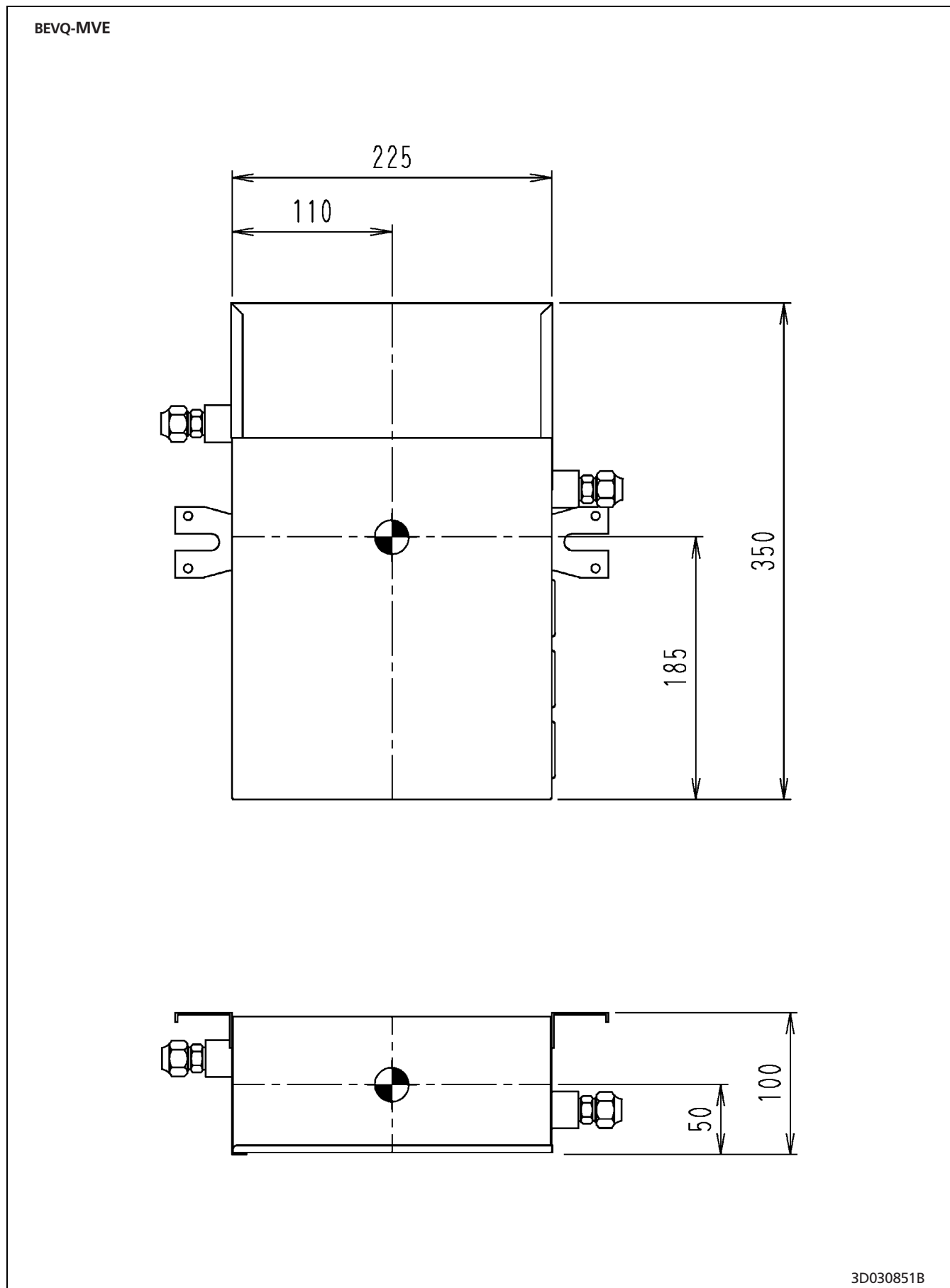
- 1 Be sure to install wire connection port to be sure to become downward.
- 2 Be sure to secure the space which can be the tightening work of the flare nut.
- 3 Be sure to secure the space of 400 mm or more when you cannot install the inspection hatch right under the unit.

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11 Junction box - BEVQ-MVE

11 - 3 Dimensional drawing & centre of gravity

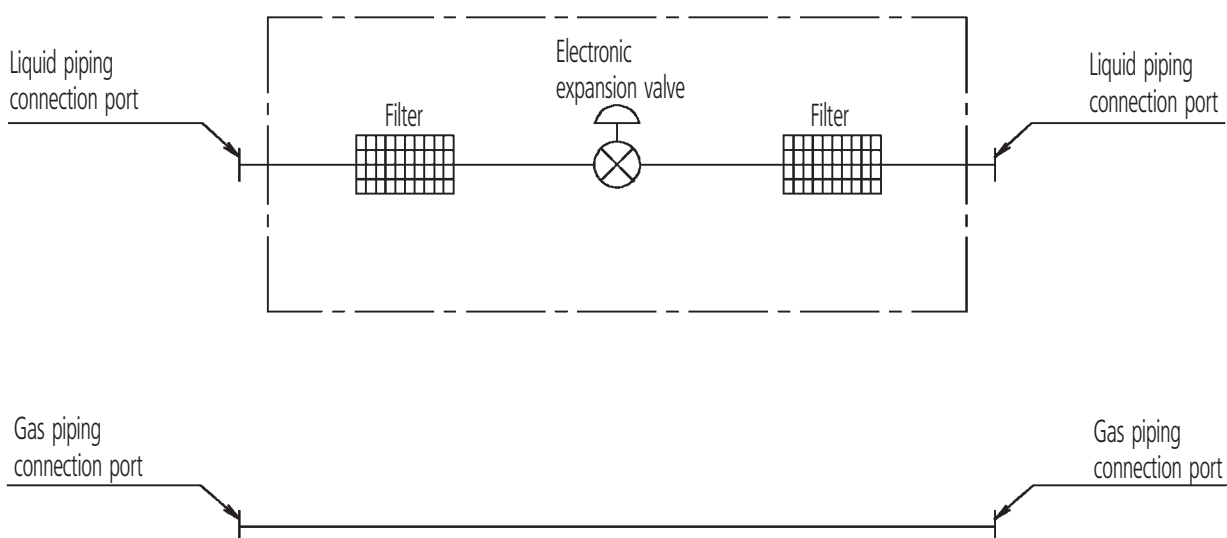
11 - 3 - 1 Centre of gravity



11 Junction box - BEVQ-MVE

11 - 4 Piping diagram

BEVQ-MVE



4D034127A

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.

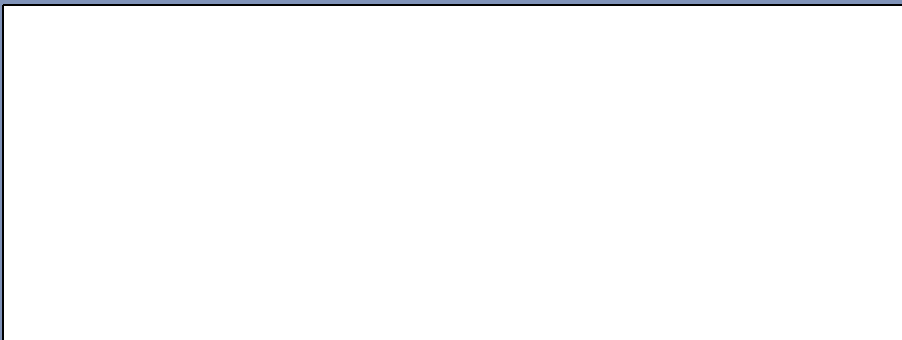


Daikin units comply with the European regulations that guarantee the safety of the product.

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.

Specifications are subject to change without prior notice



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