

technical data

VRV[®] II Systems

FXZQ-MVE

4-way blow ceiling mounted cassette
(600 mm x 600 mm)

FXZQ-MVE

4-way blow ceiling mounted cassette (600 mm x 600 mm)



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1 Features

Compact and slim

- Leaves maximum floor and wall space free for furniture, decoration and fittings
- New and extremely compact casing (575 mm in depth) enables unit to fit flush into ceilings and match standard architectural modules
- Modern style decoration panel in super white
- Extremely quiet indoor and outdoor operation
- Possibility to shut off 1 or 2 flaps for easy installation in corners
- Excellent low draught characteristics
- Automatic airflow director ensures uniform airflow and temperature distribution

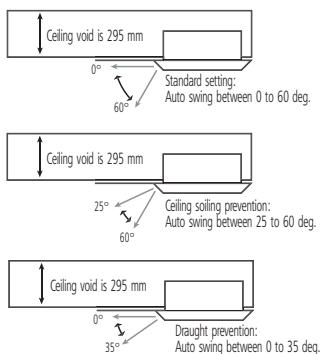
Very silent in operation

- The unit is very silent in operation as indicated by the sound pressure levels given in table below

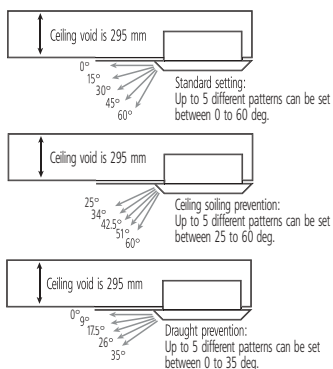
Class	High	Low
FXZQ20MVE	30	25
FXZQ25MVE	30	25
FXZQ32MVE	32	26
FXZQ40MVE	36	28
FXZQ50MVE	41	33

Maximum comfort with whisper quiet multi blow air distribution throughout the room

- Auto swing:**
Vertical auto swing moves the discharge flaps up and down to distribute air effectively throughout the room. Since the flaps can move to a zero deg. position, virtually no draught can be experienced

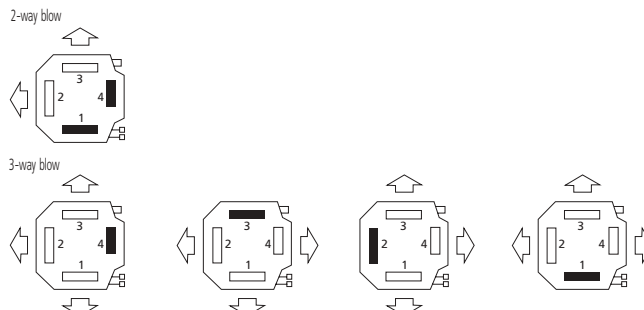


- 5 different airflow patterns:**
Any one of five airflow patterns can be freely selected between zero and 60 deg. and will then be maintained during the operational cycle of the air conditioner.



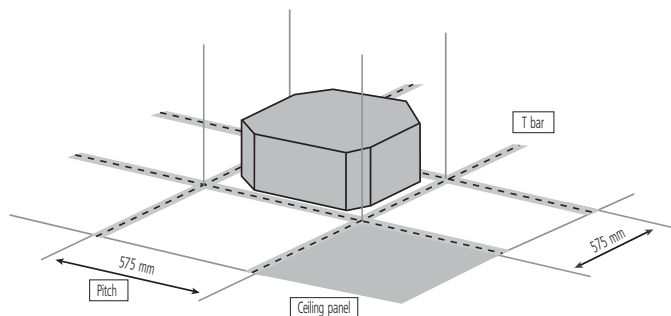
Multi flow system

Airflow rates and directions can be selected to suit varying room shapes with 2, 3 or 4-way blow air distribution. For 2-way or 3-way blow installation, the sealing component on the air discharge outlet (optional)

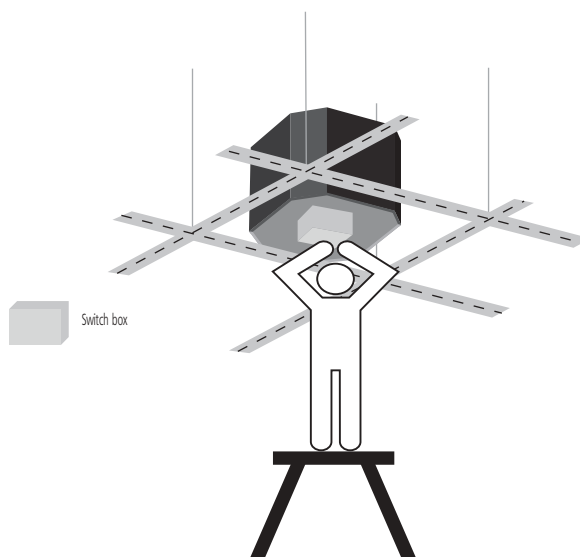


Easy installation and maintenance

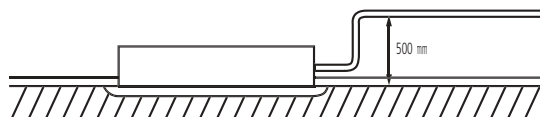
- Due to its compact casing, the unit fits flush into standard ceiling tiles – thus no ceiling tile cutting is necessary. The cassette blends unobtrusively into the ceiling.



- Since the switch box is located within the unit, it is easy to access from below for maintenance without removing ceiling tiles. Furthermore the switch box can be reached by simply removing the suction grille; therefore maintenance can be done very easily.



- The unit is provided with a standard 500mm lift drain pump



1 Features



1

2 Specifications

2-1 Technical specifications

FXZQ-MVE				20	25	32	40	50	
COOLING CAPACITY				kW	2.2	2.8	3.6	4.5	5.6
HEATING CAPACITY				kW	2.5	3.2	4.0	5.0	6.3
NOMINAL INPUT	Cooling		W	73	73	76	89	115	
	Heating		W	64	64	68	80	107	
DIMENSIONS	Unit	HxWxD	mm	286 x 575 x 575					
	Decoration panel	HxWxD	mm	55 x 700 x 700					
WEIGHT	Unit		kg	18					
	Decoration panel		kg	2.7					
CASING				galvanised steel plate					
COLOUR	Decoration panel			white (RAL 9010)					
SOUND LEVEL - 220V	Sound pressure	high	dB(A)	30	30	32	36	41	
		low	dB(A)	25	25	26	28	33	
	Sound power		dB(A)	47	47	49	53	58	
FAN	Air flow rate	high	m ³ /h	540	540	570	660	840	
		low	m ³ /h	420	420	450	480	600	
	Type			turbo fan					
	Model			QTS32C15M					
	Motor output		W	55					
	Drive			direct drive					
HEAT EXCHANGER	Type			cross fin coil					
	Rows x stages x fin pitch		mm	2 x 10 x 1.5					
	Face area		m ²	0.269					
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	6.4					
	Gas	flare	mm	12.7					
	Drain		mm	VP20 (external diamter:26, internal diameter:20)					
SOUND ABSORBING THERMAL INSULATION				foamed polystyrene / foamed polyethylene					

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NOTES

- Nominal cooling capacities are based on:
 - Indoor temperature: 27°CDB, 19°CWB
 - Outdoor temperature: 35°CDB
 - Equivalent refrigerant piping: 7.5m (horizontal)
- Nominal heating capacities are based on:
 - Indoor temperature: 20°CDB
 - Outdoor temperature: 7°CDB, 6°CWB
 - Equivalent refrigerant piping: 7.5m (horizontal)
- Capacities are net including a deduction for cooling (an addition for heating) for indoor fan motor heat.

2 Specifications

2-2 Electrical specifications

FXZQ-MVE			20	25	32	40	50
CURRENT	Minimum circuit amps (MCA)	A	0.8	0.8	0.8	0.8	0.9
	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	55				
	Full load amps	A	0.6	0.6	0.6	0.6	0.7

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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:
 $MCA = 1.25 \times FLA$
 $MFA \leq 4 \times FLA$
 next lower standard fuse rating minimum 15A.
- Select wire size based on MCA.
- Instead of a fuse, use a circuit breaker
- 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

FXZQ-MVE			20	25	32	40	50
PC BOARD FUSE			250V 5A				
FAN MOTOR THERMAL PROTECTOR		°C	OFF: $130^{\pm 5}$ / ON: $83^{\pm 20}$				

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3 Accessories

FXZQ-MVE			20	25	32	40	50
DECORATION PANEL			BYFQ60BW1				
SEALING MEMBER OF AIR DISCHARGE OUTLET			KDBHQ44B60				
PANEL SPACER			KDBQ44B60				
REPLACEMENT LONG LIFE FILTER			KAFQ441B60				
FRESH AIR INTAKE KIT DIRECT INSTALLATION TYPE			KDDQ44X60				

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4 Control systems

4-1 Individual control systems

WIRED REMOTE CONTROL		BRC1D517
INFRARED REMOTE CONTROL	Heat pump	BRC7E530W
	Cooling only	BRC7E531W

4

4-2 Centralised control systems

CENTRALISED REMOTE CONTROL	DCS302B51
UNIFIED ON/OFF CONTROL	DCS301B51
SCHEDULE TIMER	DST301B61

4-3 Others

WIRING ADAPTER	KRP1B57 #
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)	KRP2A52 #
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)	KRP4A53 #
REMOTE SENSOR	KRC01-1
INSTALLATION BOX FOR ADAPTER PCB (2)	KRP1B101
ELECTRICAL BOX WITH EARTH TERMINAL (3 BLOCKS)	KJB311A
ELECTRICAL BOX WITH EARTH TERMINAL (2 BLOCKS)	KJB212A
NOISE FILTER (FOR ELECTROMAGNETIC INTERFERENCE USE ONLY)	KEK26-1
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)	DTA104A62 #

3D023974E

NOTES

- 1 Installation box is necessary for each adapter marked with #
- 2 Up to 2 installation boxes can be installed per indoor unit

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
20	2.2	10.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.6	2.9	1.7
		12.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.6	2.9	1.6
		14.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.6	2.6	1.6	2.8	1.6
		16.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.6	1.8	2.8	1.7
		18.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.6	1.8	2.7	1.7
		20.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.6	1.8	2.7	1.7
		21.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.6	1.8	2.7	1.6
		23.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.6	1.7	2.6	1.6
		25.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.6	1.7	2.6	1.6
		27.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.7	2.6	1.6
		29.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.5	1.7	2.5	1.6
		31.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.7	2.5	1.6
		33.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.6	2.5	1.5
		35.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.6	2.4	1.5
		37.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.3	1.6	2.4	1.5
		39.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.7	2.3	1.6	2.3	1.5
25	2.8	10.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.7	2.1
		12.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.6	2.1
		14.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.6	2.1
		16.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.5	2.0
		18.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.5	2.0
		20.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.4	2.0
		21.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.4	2.1	3.4	2.0
		23.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.3	2.1	3.4	1.9
		25.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.3	2.0	3.3	1.9
		27.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.2	2.0	3.3	1.9
		29.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.2	2.0	3.2	1.9
		31.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.1	2.0	3.2	1.9
		33.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.1	2.0	3.1	1.8
		35.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	3.0	2.0	3.0	1.9	3.1	1.8
		37.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.9	2.0	3.0	1.9	3.0	1.8
		39.0	1.9	1.5	2.3	1.8	2.6	2.0	2.8	2.0	2.9	2.0	2.9	1.9	3.0	1.8
32	3.6	10.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.7	2.6
		12.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.7	2.5
		14.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.6	2.5
		16.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.6	2.5
		18.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.5	2.5
		20.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.4	2.4
		21.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.3	2.5	4.4	2.4
		23.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.2	2.5	4.3	2.4
		25.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.2	2.5	4.3	2.4
		27.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.1	2.4	4.2	2.3
		29.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.1	2.4	4.2	2.3
		31.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	4.0	2.4	4.1	2.3
		33.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	3.9	2.4	4.0	2.3
		35.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.8	2.4	3.9	2.3	4.0	2.2
		37.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.7	2.4	3.8	2.3	3.9	2.2
		39.0	2.4	1.9	2.9	2.1	3.4	2.4	3.6	2.4	3.7	2.4	3.8	2.3	3.8	2.2
40	4.5	10.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.9	3.5
		12.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.8	3.4
		14.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.8	3.4
		16.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.7	3.4
		18.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.6	3.3
		20.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.5	3.3
		21.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.4	3.4	5.5	3.3
		23.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.3	3.4	5.4	3.2
		25.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.2	3.3	5.3	3.2
		27.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.2	3.3	5.3	3.2
		29.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.1	3.3	5.2	3.1
		31.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	5.0	3.2	5.1	3.1
		33.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.8	3.3	4.9	3.2	5.0	3.1
		35.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.7	3.3	4.9	3.2	5.0	3.0
		37.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.7	3.2	4.8	3.1	4.9	3.0
		39.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.3	4.6	3.2	4.7	3.1	4.8	3.0

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														Per total capacity (kW)	Sensible capacity (kW)
			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		
50	5.6	10.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.4	4.4		
		12.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.3	4.4		
		14.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.2	4.3		
		16.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.1	4.3		
		18.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	7.0	4.2		
		20.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	6.9	4.2		
		21.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.4	6.8	4.2		
		23.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.6	4.3	6.7	4.1		
		25.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.5	4.3	6.6	4.1		
		27.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.4	4.2	6.6	4.0		
		29.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.3	4.2	6.5	4.0		
		31.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.2	4.1	6.4	4.0		
		33.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.1	4.1	6.3	3.9		
		35.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.2	6.0	4.0	6.2	3.9		
		37.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.8	4.1	5.9	4.0	6.1	3.8		
		39.0	3.8	3.1	4.5	3.6	5.2	4.0	5.6	4.1	5.7	4.1	5.8	3.9	6.0	3.8		

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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
20	2.5	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
		-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
		-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
		-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
		-12.6	-13.0	1.8	1.8	1.8	1.8	1.8	1.8
		-10.5	-11.0	1.9	1.9	1.9	1.9	1.9	1.9
		-9.5	-10.0	1.9	1.9	1.9	1.9	1.9	1.9
		-8.5	-9.1	2.0	2.0	1.9	1.9	1.9	1.9
		-7.0	-7.6	2.0	2.0	2.0	2.0	2.0	2.0
		-5.0	-5.6	2.1	2.1	2.1	2.1	2.1	2.1
		-3.0	-3.7	2.2	2.2	2.2	2.2	2.2	2.2
		0.0	-0.7	2.3	2.3	2.3	2.3	2.3	2.2
		3.0	2.2	2.5	2.5	2.4	2.4	2.3	2.2
		5.0	4.1	2.5	2.5	2.5	2.4	2.3	2.2
		7.0	6.0	2.6	2.6	2.5	2.4	2.3	2.2
		9.0	7.9	2.7	2.7	2.5	2.4	2.3	2.2
		11.0	9.8	2.8	2.7	2.5	2.4	2.3	2.2
		13.0	11.8	2.8	2.7	2.5	2.4	2.3	2.2
		15.0	13.7	2.8	2.7	2.5	2.4	2.3	2.2
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

5 Capacity tables

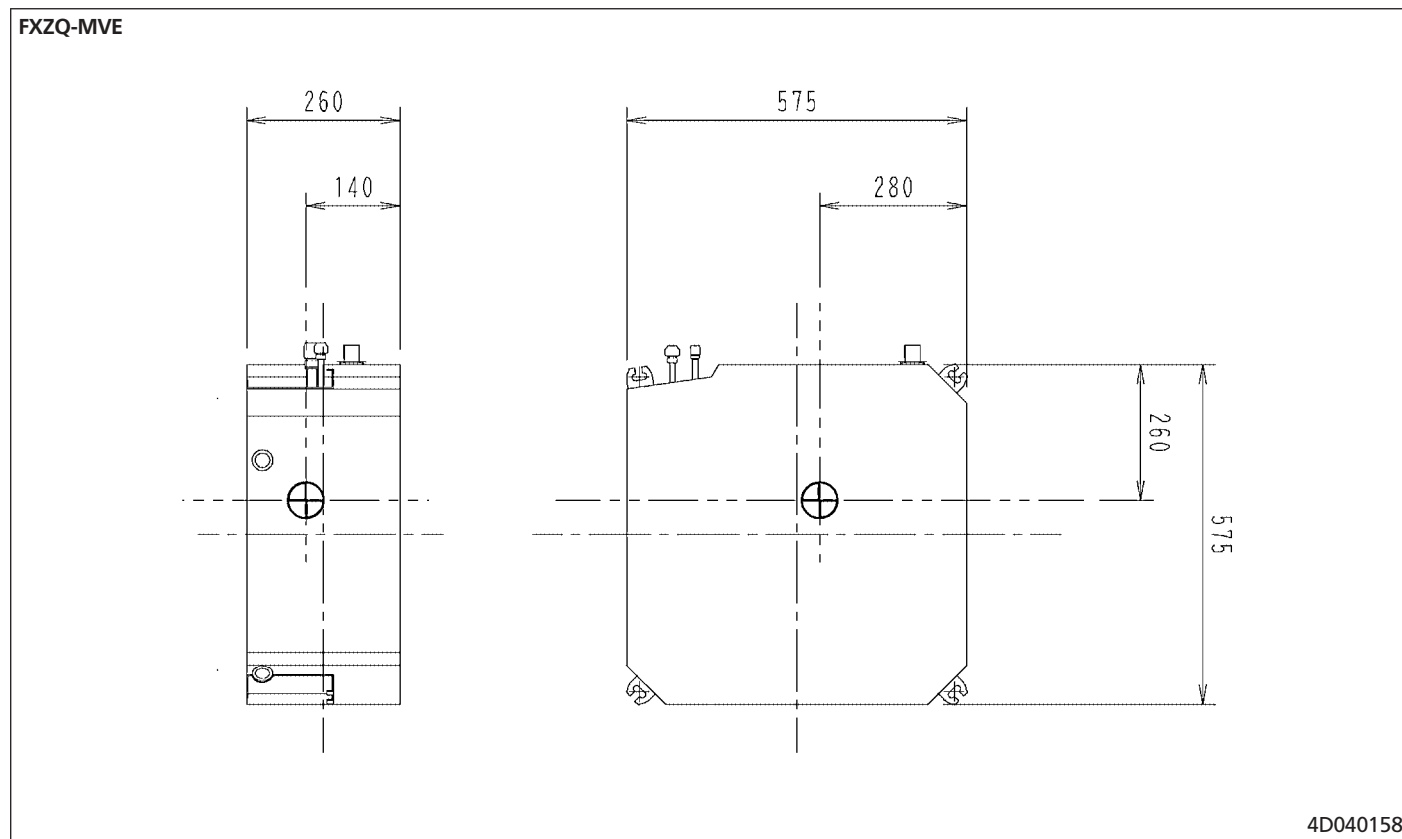
5-2 Heating capacity

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
50	6.3	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
		-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
		-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
		-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
		-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
		-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
		-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
		-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
		0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
		3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
		5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
		7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
		9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5

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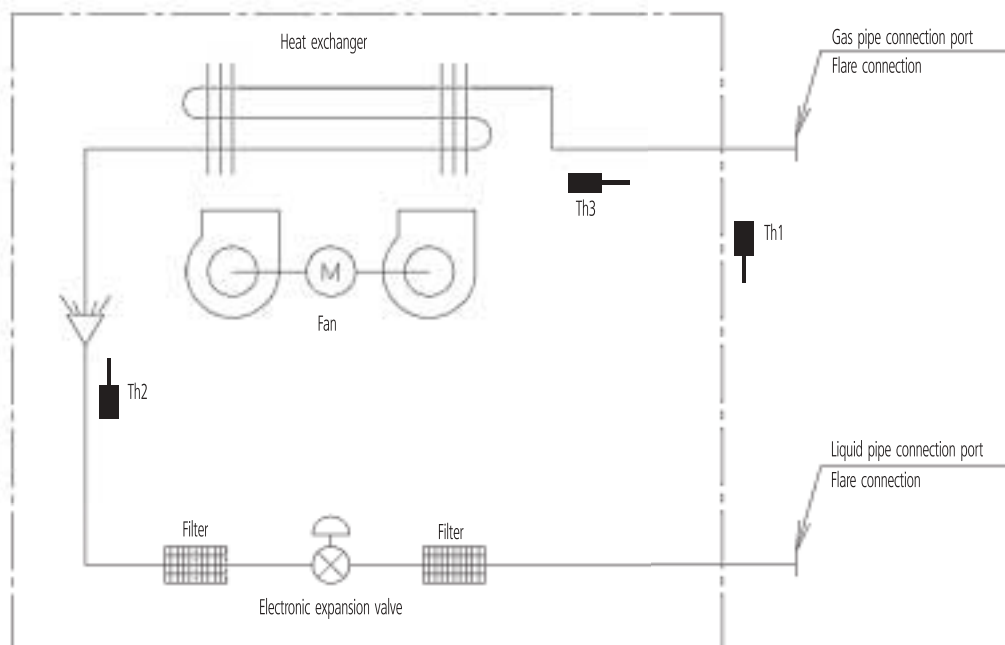
6 Dimensions

6-3 Centre of gravity



7 Piping Diagram

FXZQ-MVE



Piping connection diameters

Model	Gas	Liquid
FXZQ20,25,32,40,50MVE	ø12.7	ø6.4

Th1 : Thermistor for suction air temperature

Th2 : Thermistor for liquid line temperature

Th3 : Thermistor for gas line temperature

⬅➡ Check valve

⬅ Flare connection

⊥ Screw connection

⊥ Flange connection

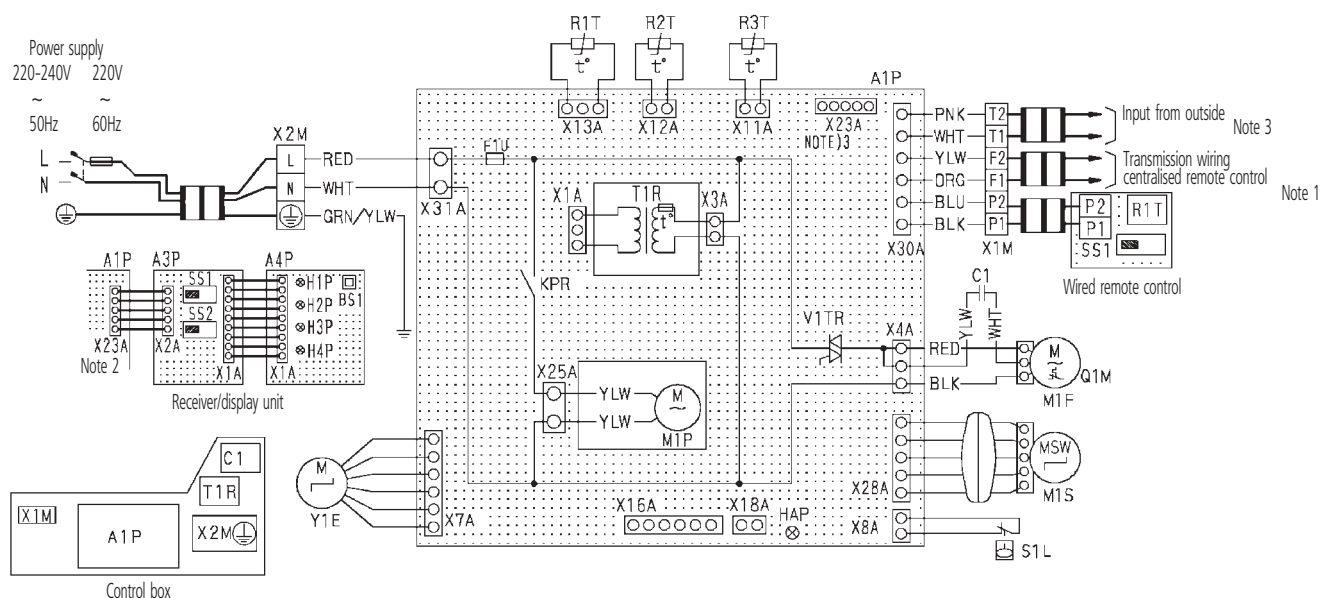
✕ Pinched pipe

⌒ Spinned pipe

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8 Wiring Diagram

FXZQ-MVE



A1P	Printed circuit board	Y1E	Electronic expansion valve
C1	Capacitor (M1F)		Wired remote control
F1U	Fuse (5A, 250V)	R1T	Thermistor (Air)
HAP	Light emitting diode (Service monitor green)	SS1	Selector switch (Main/sub)
KPR	Magnetic relay (M1P)		Infrared remote control (Receiver/display unit)
M1F	Motor (Indoor fan)	ASP	Printed circuit board
M1P	Motor (Drain pump)	A4P	Printed circuit board
M1S	Motor (Swing flap)	BS1	Push button (On/off)
Q1M	Thermal protector (M1F embedded)	H1P	Light emitting diode (On-red)
R1T	Thermistor (air)	H2P	Light emitting diode (Timer-green)
R2T	Thermistor (coil-liquid)	H3P	Light emitting diode (Filter sign-red)
R3T	Thermistor (coil-gas)	H4P	Light emitting diode (Defrost-orange)
S1L	Float switch	SS1	Selector switch (Main/sub)
T1R	Transformer (220-240V/22V)	SS2	Selector switch (Infrared address set)
V1TR	Triac		Connector for optional parts
X1M	Terminal block	X16A	Connector (Adaptor for wiring)
X2M	Terminal block	X18A	Connector (Wiring adaptor for electrical appendices)



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

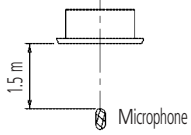
NOTES

- When using a centralised remote control, connect it to the unit in accordance with the attached installation manual.
- X23A is connected when the infrared remote control kit is being used.
- 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 the unit.
- Remote control model varies according to the combination system, confirm engineering materials and catalogs. etc. before connecting.

3D038359

9 Sound level

9-1 Sound level data

Model	Sound pressure level			Sound power level
	H	L	Measuring location	
FXZQ20MVE	30	25		47
FXZQ25MVE	30	25		47
FXZQ32MVE	32	26		49
FXZQ40MVE	36	28		53
FXZQ50MVE	41	33		58

NOTES

- 1 Measuring place: anechoic chamber
- 2 Operation noise differs with operation and ambient conditions
- 3 Operating conditions: Power source: 230V, 50 Hz
 - Cooling: Indoor air temperature: 27°CDB, 19°CWB
Outdoor air temperature: 35°CDB, 24°CWB
 - Heating: Indoor air temperature: 20°CDB, 15°CWB
Outdoor air temperature: 7°CDB, 6°CWB

9-2 Sound pressure spectrum

FXZQ20,25MVE

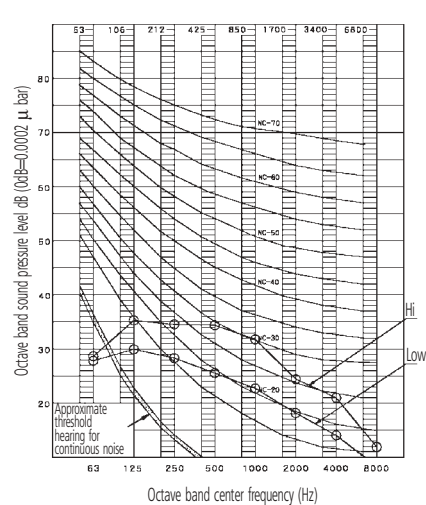
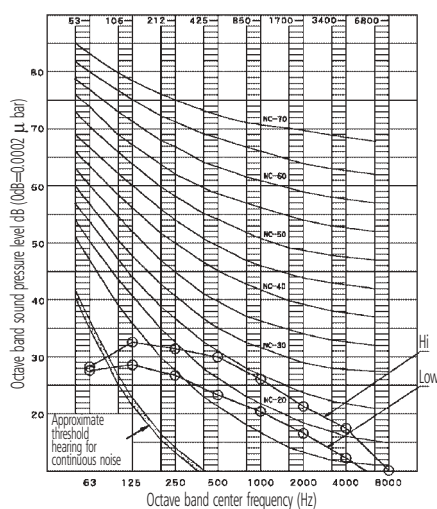
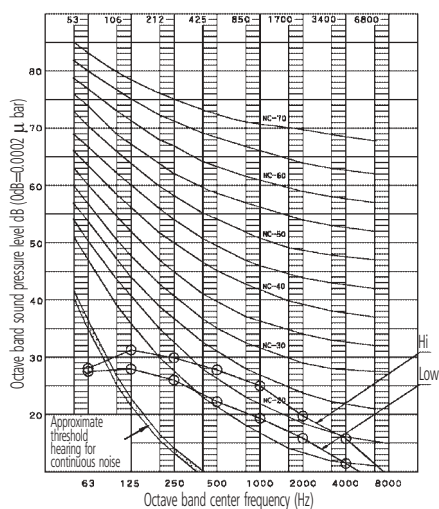
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FXZQ32MVE

4D040285A

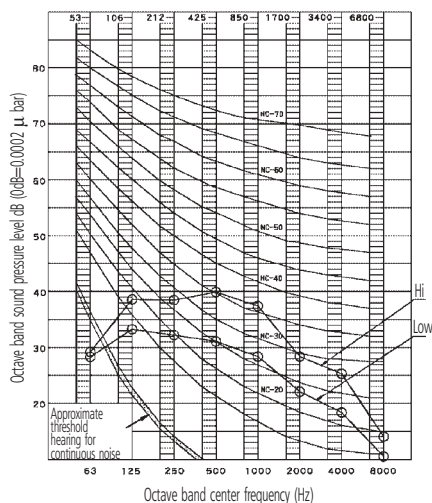
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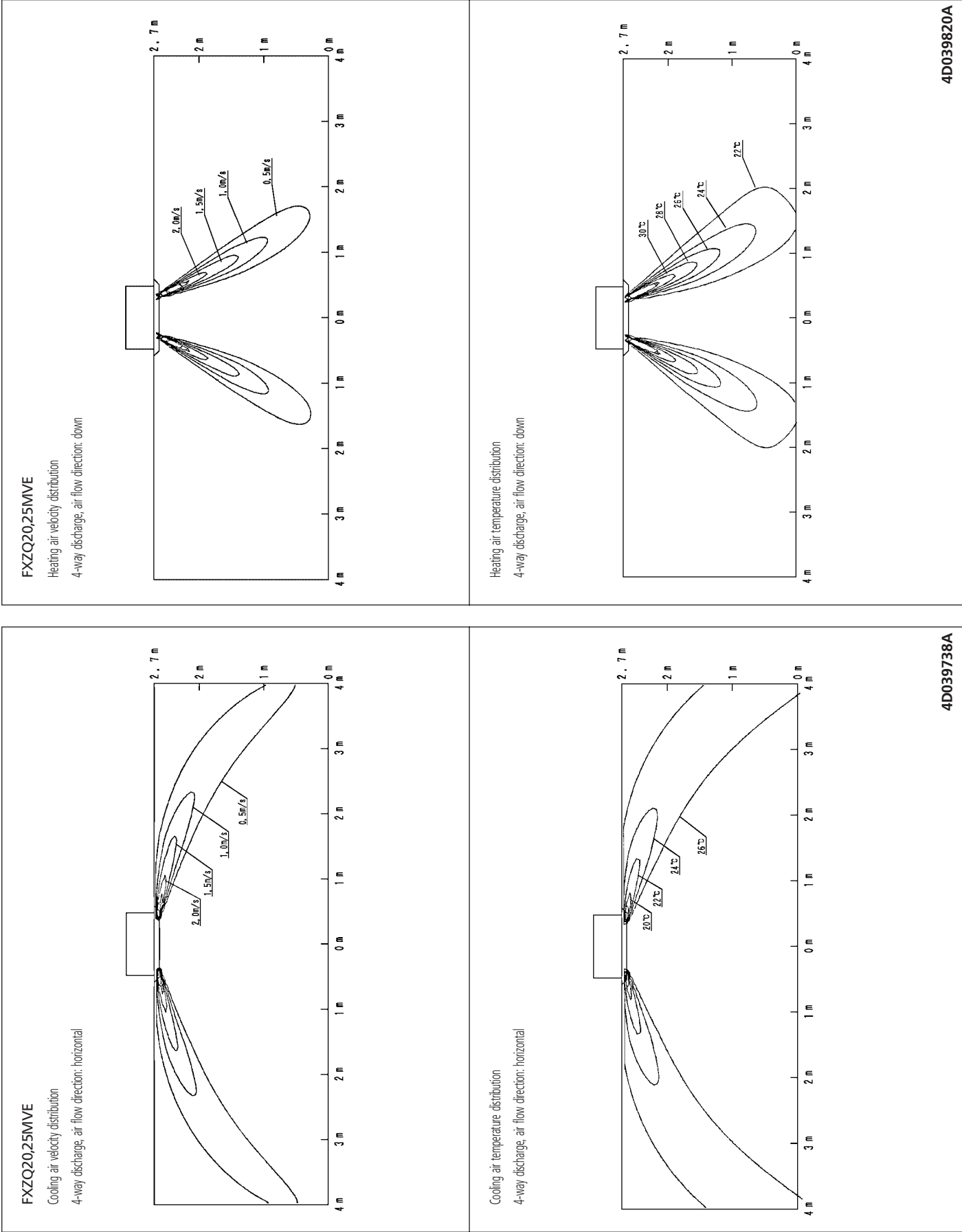


FXZQ50MVE

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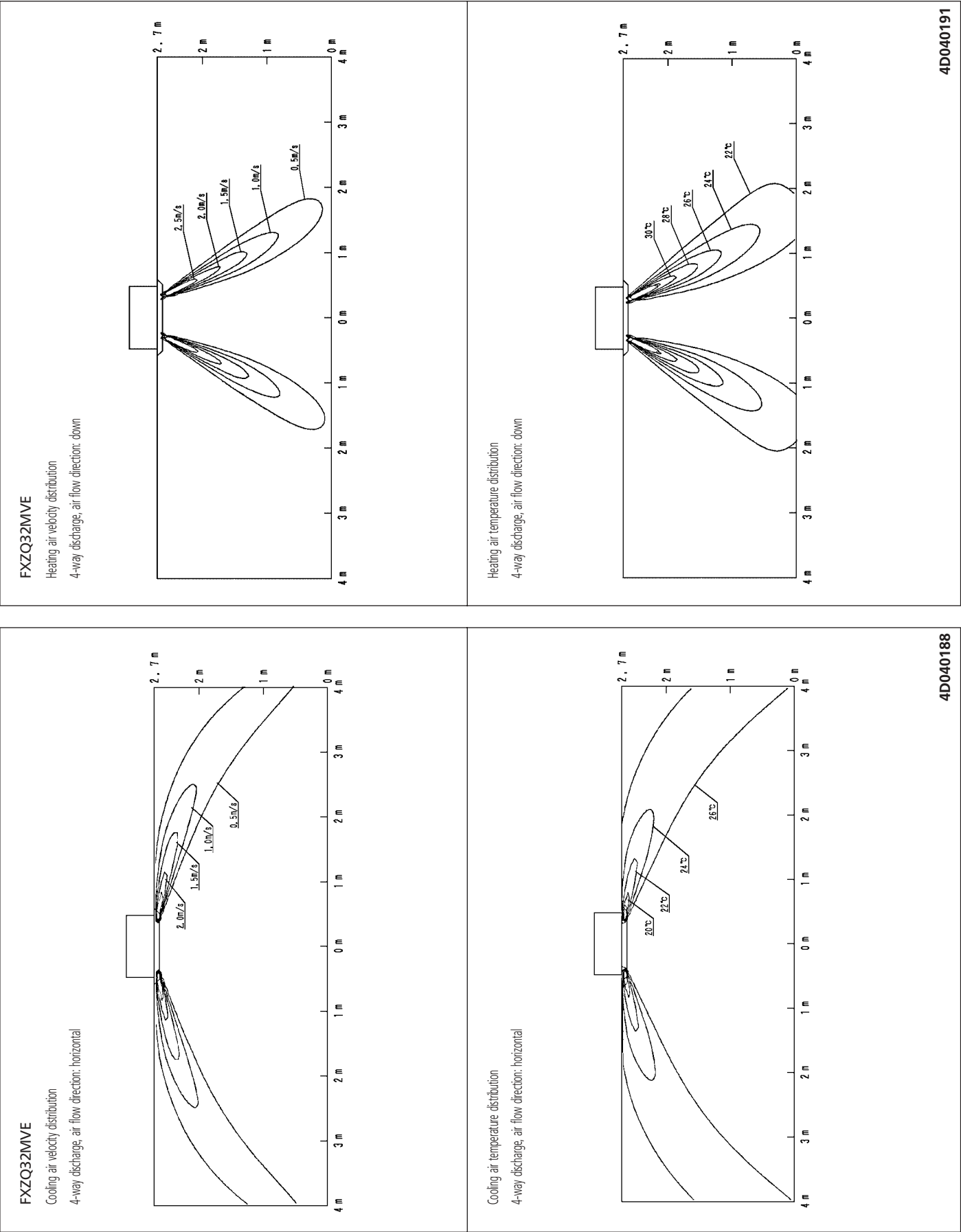
Air flow pattern



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10 Air flow pattern

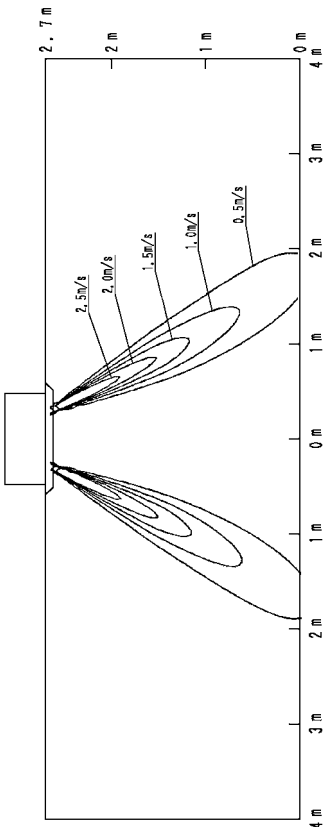


Air flow pattern

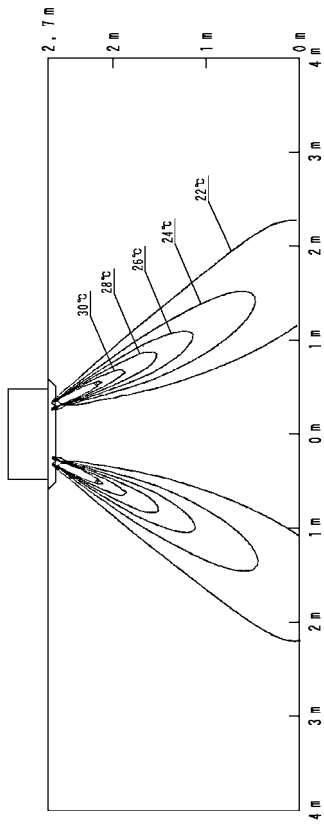
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FXZQ40MVE

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



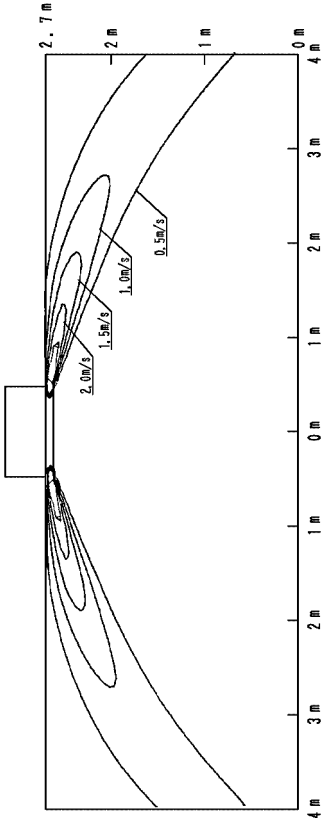
Heating air temperature distribution
4-way discharge, air flow direction: down



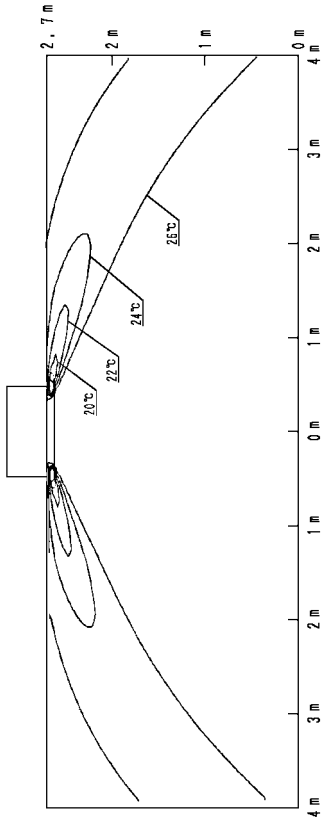
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Cooling air velocity distribution
4-way discharge, air flow direction: horizontal

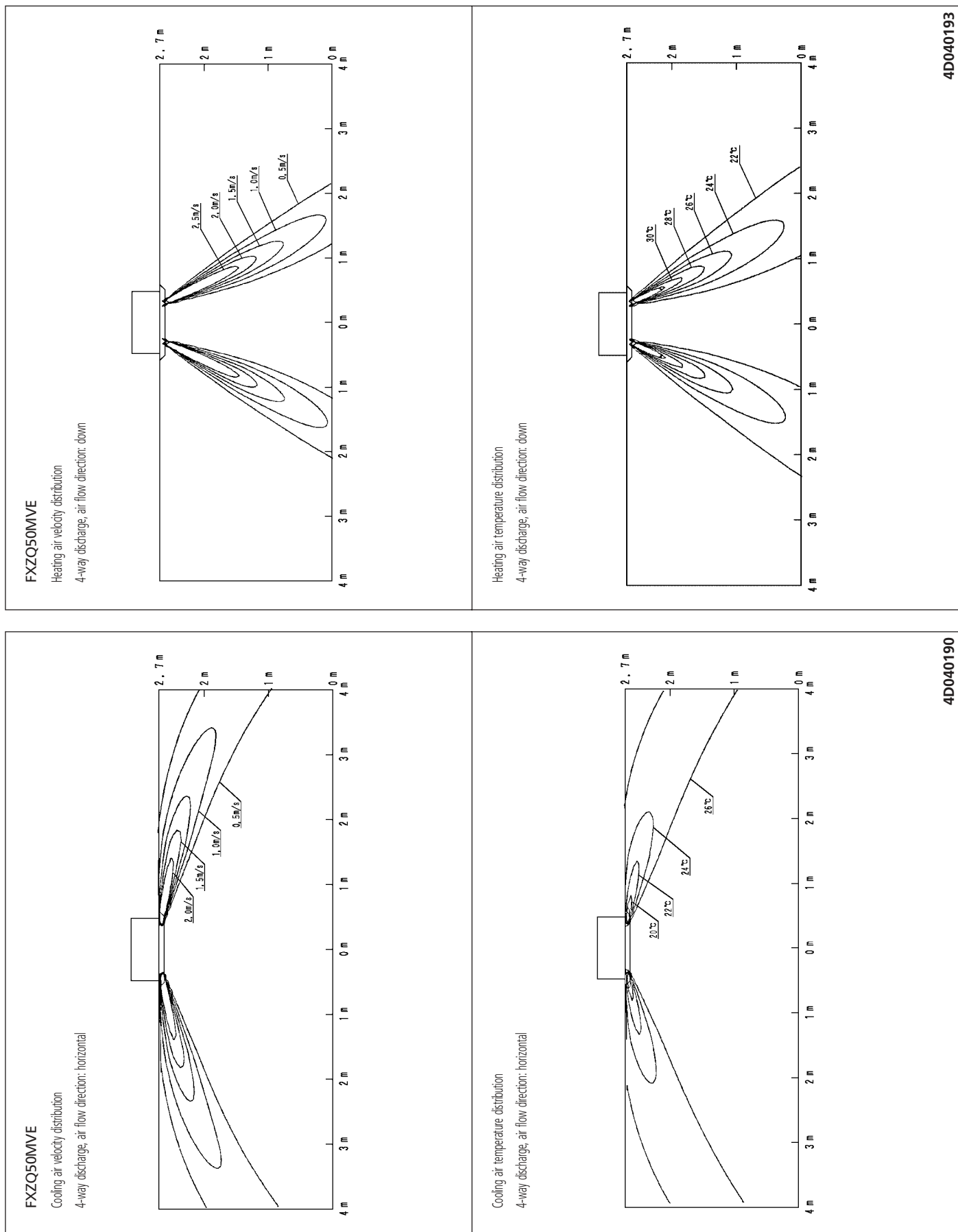


Cooling air temperature distribution
4-way discharge, air flow direction: horizontal



4D040189

10 Air flow pattern



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



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.

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

Specifications are subject to change without prior notice

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