



technical data

600x600 4-Way Blow Ceiling Mounted Cassette
FXZQ-M8V1B

air conditioning systems

VRV[®] III-S
VRV[®] III
VRV[®] II
VRV[®]-WII

TABLE OF CONTENTS

FXZQ-M8V1B

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Safety device settings	5
4	Options	6
5	Control systems	7
6	Capacity tables	8
	Cooling capacity tables	8
	Heating capacity tables	9
7	Dimensional drawing & centre of gravity	10
	Dimensional drawing	10
	Centre of gravity	11
8	Piping diagram	12
9	Wiring diagram	13
	Wiring diagram	13
10	Sound data	14
	Sound level data	14
	Sound pressure spectrum	15
11	Air flow pattern	16

1 Features

- Stylish & supersilent
- New and extremely compact casing (575mm in width and depth) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- Modern style decoration panel in white (RAL9010)
- Whisper quiet operation: down to 25 dBA sound pressure level
- Excellent low draught characteristics
- Vertical auto-swing function moves the discharge flaps up and down for efficient air distribution throughout the room
- Since the flaps can move to a 0 degree position, virtually no draught can be experienced
- 5 different air flow patterns:
- Any one of 5 air flow patterns can be freely selected between zero and 40 degrees and will then be maintained during the operational cycle of the air conditioner.
- Air can be discharged in any of 4 directions
- Possibility to shut 1 or 2 flaps for easy installation in corners
- The switch box can be reached by simply removing the suction grille; therefore maintenance can be done very easily.
- Drain-up pump with 500mm lift fitted as standard



2 Specifications

2-1 TECHNICAL SPECIFICATIONS				FXZQ20M8V1B	FXZQ25M8V1B	FXZQ32M8V1B	FXZQ40M8V1B	FXZQ50M8V1B
Nominal Capacity	Cooling	kW		2.20	2.80	3.60	4.50	5.60
	Heating	kW		2.50	3.20	4.00	5.00	6.30
Power input (Nominal)	Cooling	kW		0.073	0.073	0.076	0.089	0.115
	Heating	kW		0.064	0.064	0.068	0.080	0.107
Casing	Material			Galvanised steel				
Dimensions	Unit	Height	mm	286	286	286	286	286
		Width	mm	575	575	575	575	575
		Depth	mm	575	575	575	575	575
Weight	Unit	kg		18	18	18	18	18
Heat Exchanger	Dimensions	Nr of Rows		2	2	2	2	2
		Fin Pitch	mm	1.50	1.50	1.50	1.50	1.50
		Face Area	m ²	0.269	0.269	0.269	0.269	0.269
		Nr of Stages		10	10	10	10	10
Fan	Type			Turbo fan				
	Quantity			1	1	1	1	1
Air Flow Rate	Cooling	High	m ³ /min	9.00	9.00	9.50	11.00	14.00
		Low	m ³ /min	7.00	7.00	7.50	8.00	10.00
Fan	Motor	Quantity		1	1	1	1	1
		Model		QTS32C15M				
		Output (high)	W	55	55	55	55	55
		Drive		Direct drive				
Refrigerant	Name			R-410A				
Sound Level	Cooling	Sound power (nominal)	dBA	47.0	47.0	49.0	53.0	58.0
		Sound Pressure	High	dBA	30.0	30.0	32.0	36.0
			Low	dBA	25.0	25.0	26.0	28.0
Piping connections	Liquid (OD)	Type		Flare connection				
		Diameter	mm	6.4	6.4	6.4	6.4	6.4
	Gas	Type		Flare connection				
		Diameter	mm	12.7	12.7	12.7	12.7	12.7
	Drain	Diameter	mm	26	26	26	26	26
Heat Insulation		Foamed polystyrene/polyethylene						
Decoration Panel	Model			BYFQ60B7W1				
	Colour			White (Ral 9010)				
	Dimensions	Height	mm	55	55	55	55	55
		Width	mm	700	700	700	700	700
		Depth	mm	700	700	700	700	700
Weight		kg		2.7	2.7	2.7	2.7	2.7
Air Filter				Resin net with mold resistance				
Refrigerant control				Electronic expansion valve				
Temperature control				Microprocessor thermostat for cooling and heating				
Safety devices				PC board fuse				
				Fan motor thermal protector				
Standard Accessories	Standard Accessories			Installation and operation manual				
				Paper pattern for installation				
				Drain hose				
				Clamp metal				
				Washer fixing plate				
				Sealing Pads				
				Clamps				
				Screws				
				Washer for hanger bracket				
				Insulation for fitting				

2 Specifications

2-1 TECHNICAL SPECIFICATIONS	FXZQ20M8V1B	FXZQ25M8V1B	FXZQ32M8V1B	FXZQ40M8V1B	FXZQ50M8V1B
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.				

2-2 ELECTRICAL SPECIFICATIONS			FXZQ20M8V1B	FXZQ25M8V1B	FXZQ32M8V1B	FXZQ40M8V1B	FXZQ50M8V1B
Power Supply	Name		V1				
	Phase		1	1	1	1	1
	Frequency	Hz	50	50	50	50	50
	Voltage	V	220-240				
Current	Minimum circuit amps (MCA)	A	0.80	0.80	0.80	0.80	0.90
	Maximum fuse amps (MFA)	A	15.00	15.00	15.00	15.00	15.00
	Full load amps (FLA)	A	0.60	0.60	0.60	0.60	0.70
Voltage range	Minimum	V	-10%				
	Maximum	V	+10%				
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 <= 4 x FLA						
	next lower standard fuse rating minimum 15A						
	select wire size based on the 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						

3 Safety device settings

	FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
PC BOARD FUSE	250V 5A				
FAN MOTOR THERMAL PROTECTOR	°C	OFF: 130 \pm 5 / ON: 80 \pm 20			
3D006691K					

3

4 Options

4

	FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
DECORATION PANEL			BYFQ60B7V1		
SEALING MEMBER OF AIR DISCHARGE OUTLET			KDBHQ44B60		
PANEL SPACER			KDBQ44B60		
REPLACEMENT LONG LIFE FILTER			KAHQ441B60		
FRESH AIR INTAKE KIT DIRECT INSTALLATION TYPE			KDDQ44X60		
					3D068933

5 Control systems

Individual control systems

		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
WIRED REMOTE CONTROL		BRC1D52				
INFRARED REMOTE CONTROL	Heat pump	BRC7E530W				
	Cooling only	BRC7E531W				

Centralised control systems

		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
CENTRALISED REMOTE CONTROL		DCS302C51				
UNIFIED ON/OFF CONTROL		DCS301B51				
SCHEDULE TIMER		DST301B61				

Others

		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
WIRING ADAPTER		KRP1B57 #				
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)		KRP2A52 #				
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)		KRP4A53 #				
REMOTE SENSOR		KRCS01-1				
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 INTERFACE USE ONLY)		KEK26-1				
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)		DTA104A52 #				

3D023974G

6 Capacity tables

6 - 1 Cooling capacity tables

6

FXZQ-M8			Indoor air temperature														TC: Total capacity;kW – SHC: Sensible capacity;kW	
Unit size	Nominal capacity	Outdoor air temp. °CDB	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			
			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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	1.6	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	2.8	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	4.4	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		
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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8

6 Capacity tables

6 - 2 Heating capacity tables

FXZQ-M8									
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	25	-198	-200	1.5	1.5	1.5	1.5	1.5	1.5
		-188	-190	1.5	1.5	1.5	1.5	1.5	1.5
		-167	-170	1.6	1.6	1.6	1.6	1.6	1.6
		-147	-150	1.7	1.7	1.7	1.7	1.7	1.7
		-126	-130	1.8	1.8	1.8	1.8	1.8	1.8
		-105	-110	1.9	1.9	1.9	1.9	1.9	1.9
		-95	-100	1.9	1.9	1.9	1.9	1.9	1.9
		-85	-91	2.0	2.0	1.9	1.9	1.9	1.9
		-70	-76	2.0	2.0	2.0	2.0	2.0	2.0
		-50	-56	2.1	2.1	2.1	2.1	2.1	2.1
		-30	-37	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	32	-198	-200	1.9	1.9	1.9	1.9	1.9	1.9
		-188	-190	1.9	1.9	1.9	1.9	1.9	1.9
		-167	-170	2.1	2.1	2.0	2.0	2.0	2.0
		-147	-150	2.2	2.2	2.2	2.2	2.2	2.1
		-126	-130	2.3	2.3	2.3	2.3	2.3	2.3
		-105	-110	2.4	2.4	2.4	2.4	2.4	2.4
		-95	-100	2.5	2.4	2.4	2.4	2.4	2.4
		-85	-91	2.5	2.5	2.5	2.5	2.5	2.5
		-70	-76	2.6	2.6	2.6	2.6	2.6	2.6
		-50	-56	2.7	2.7	2.7	2.7	2.7	2.7
		-30	-37	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	40	-198	-200	2.4	2.4	2.3	2.3	2.3	2.3
		-188	-190	2.4	2.4	2.4	2.4	2.4	2.4
		-167	-170	2.6	2.6	2.6	2.6	2.6	2.5
		-147	-150	2.7	2.7	2.7	2.7	2.7	2.7
		-126	-130	2.9	2.8	2.8	2.8	2.8	2.8
		-105	-110	3.0	3.0	3.0	3.0	3.0	3.0
		-95	-100	3.1	3.1	3.1	3.1	3.0	3.0
		-85	-91	3.1	3.1	3.1	3.1	3.1	3.1
		-70	-76	3.2	3.2	3.2	3.2	3.2	3.2
		-50	-56	3.4	3.4	3.4	3.4	3.4	3.4
		-30	-37	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	50	-198	-200	3.0	2.9	2.9	2.9	2.9	2.9
		-188	-190	3.0	3.0	3.0	3.0	3.0	3.0
		-167	-170	3.2	3.2	3.2	3.2	3.2	3.2
		-147	-150	3.4	3.4	3.4	3.4	3.4	3.4
		-126	-130	3.6	3.6	3.6	3.5	3.5	3.5
		-105	-110	3.7	3.7	3.7	3.7	3.7	3.7
		-95	-100	3.8	3.8	3.8	3.8	3.8	3.8
		-85	-91	3.9	3.9	3.9	3.9	3.9	3.9
		-70	-76	4.0	4.0	4.0	4.0	4.0	4.0
		-50	-56	4.2	4.2	4.2	4.2	4.2	4.2
		-30	-37	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		
50	63	-198	-200	3.7	3.7	3.7	3.7	3.7	3.7
		-188	-190	3.8	3.8	3.8	3.8	3.8	3.8
		-167	-170	4.1	4.0	4.0	4.0	4.0	4.0
		-147	-150	4.3	4.3	4.3	4.2	4.2	4.2
		-126	-130	4.5	4.5	4.5	4.5	4.5	4.5
		-105	-110	4.7	4.7	4.7	4.7	4.7	4.7
		-95	-100	4.8	4.8	4.8	4.8	4.8	4.8
		-85	-91	4.9	4.9	4.9	4.9	4.9	4.9
		-70	-76	5.1	5.1	5.1	5.1	5.1	5.1
		-50	-56	5.3	5.3	5.3	5.3	5.3	5.3
		-30	-37	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
11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5		
13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5		
15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5		

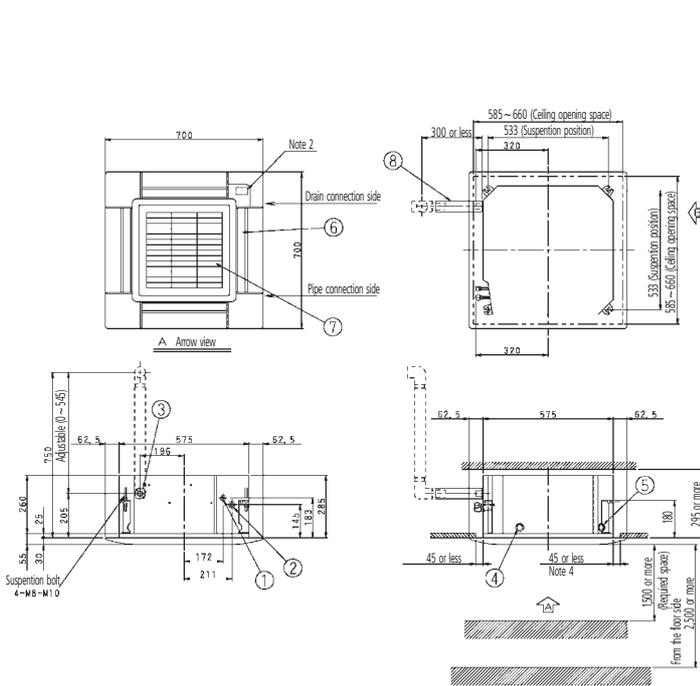
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7 Dimensional drawing & centre of gravity

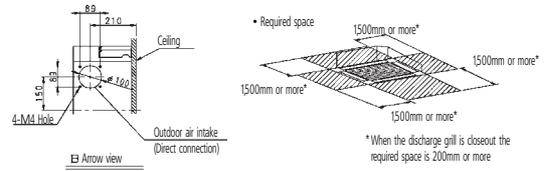
7 - 1 Dimensional drawing

7

FXZQ-M8



• Decoration panel
BYFQ60B7W1 White Ral 9010



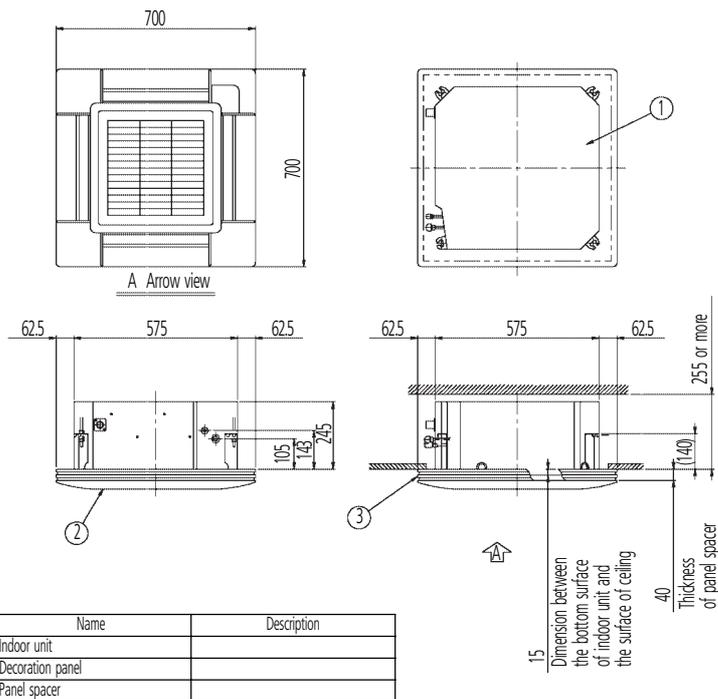
Nr	Part name	Description
1	Liquid pipe connection	ø6.4 Flare connection
2	Gas pipe connection	ø12.7 Flare connection
3	Drain pipe connection	VP25 (O.D. ø32)
4	Wire intake	
5	Interunit wiring connection	
6	Grounding terminal	inside switch box (M4)
7	Discharge	
8	Air suction grille	
9	Long life filter	
10	Suspension bolt	

NOTES

- Location of manufacturer's label
Indoor unit: on the bell mouth, inside suction panel
Decoration panel: on the inner frame, inside suction grille
When using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for more details
- When the temperature and humidity in the ceiling exceed 30°C and RH is 80 %, or the fresh air is inducted into the ceiling, or the unit continues 24 hour operation, an additional insulation is required (thickness 10mm or more of glass wool or polyethylene foam)
- Though the installation is acceptable up to maximum 660mm square ceiling opening, keep the clearance of 45mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

3D039005B

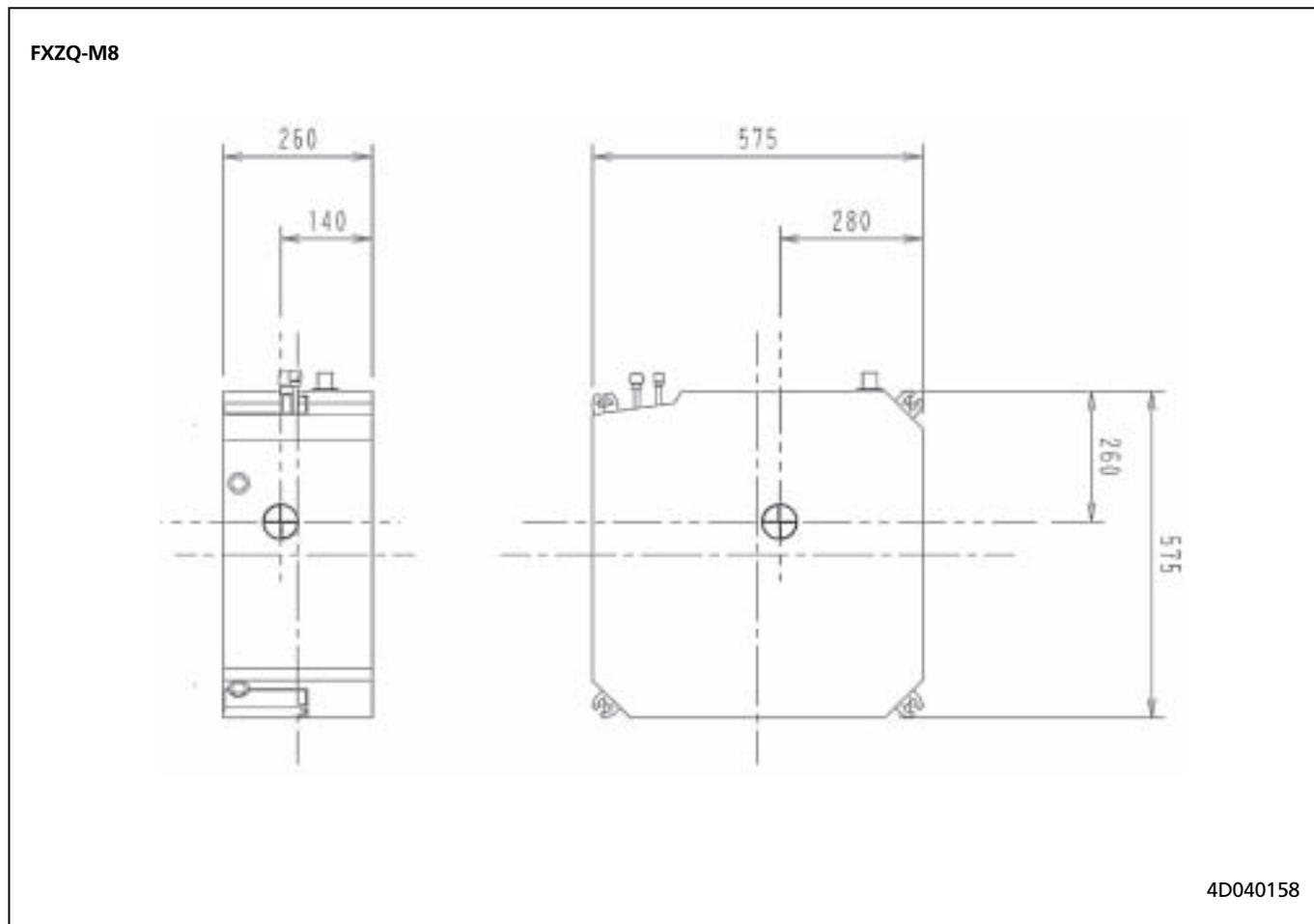
FXZQ-M8



3D041038

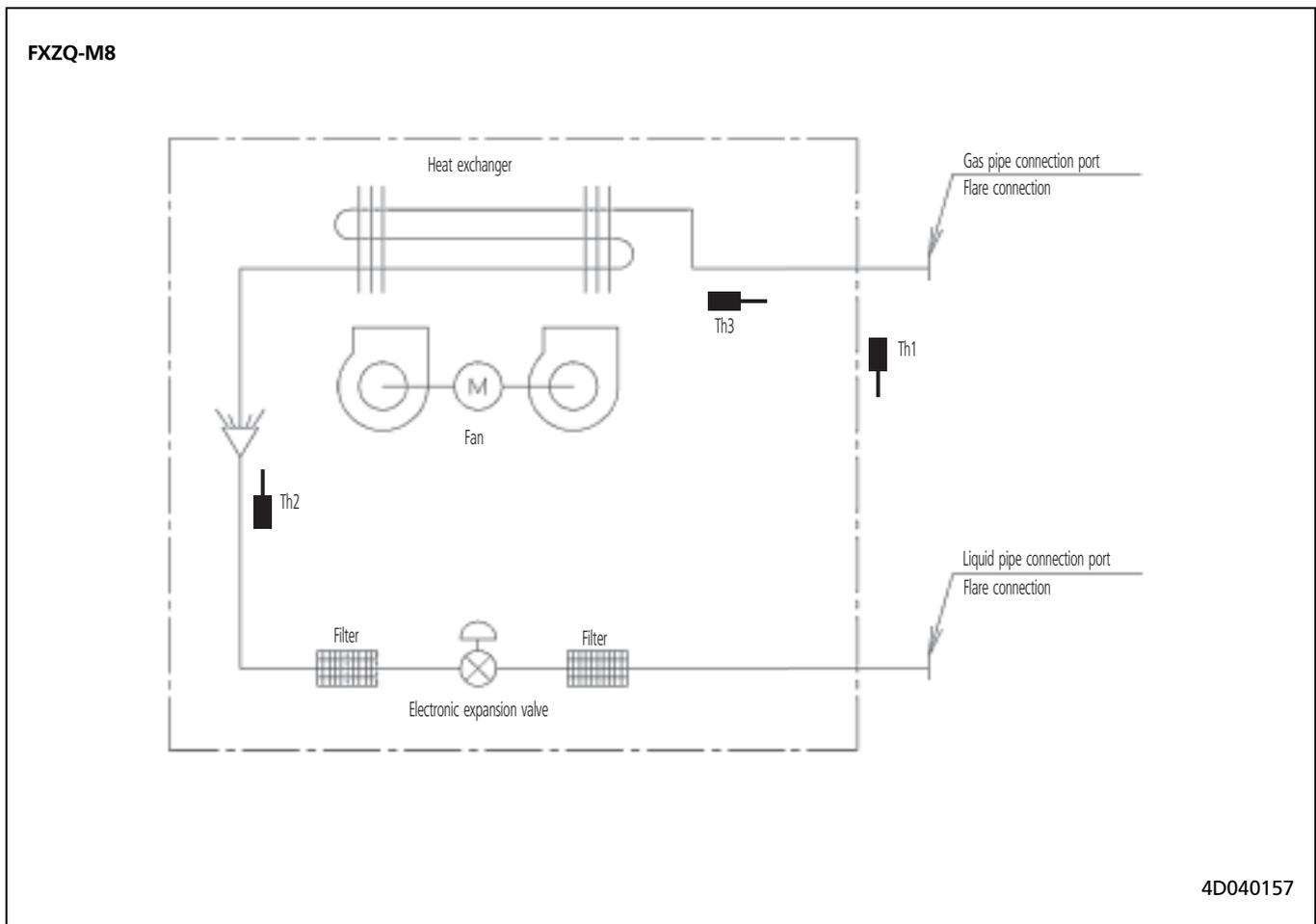
7 Dimensional drawing & centre of gravity

7 - 2 Centre of gravity



8 Piping diagram

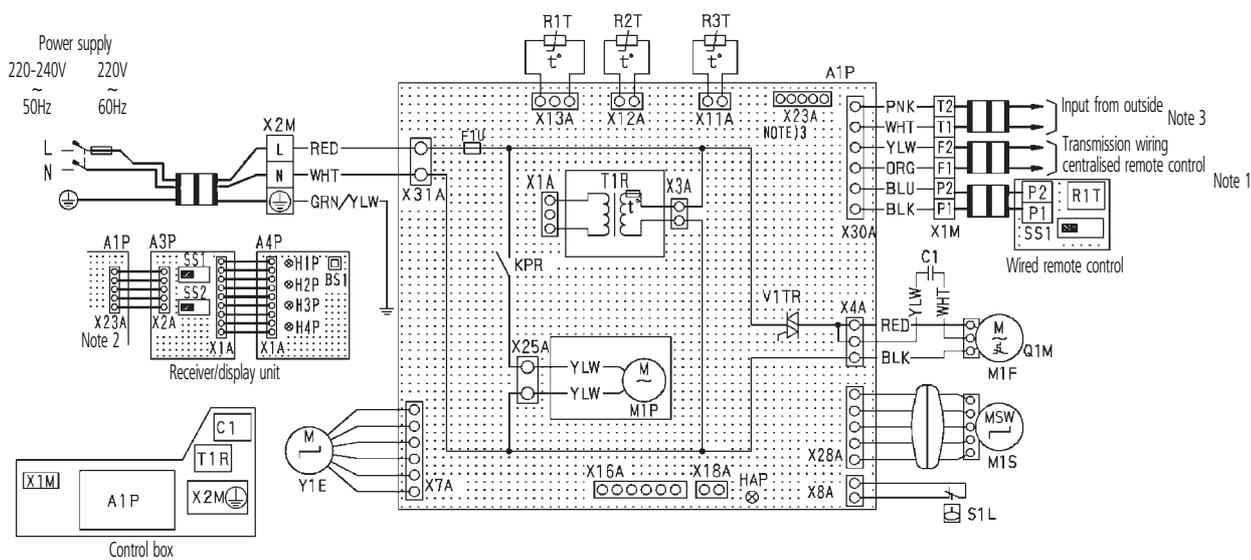
8



9 Wiring diagram

9 - 1 Wiring diagram

FXZQ-M8



A1P	Printed circuit board	Y1E	Electronic expansion valve (Main)
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 protection (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)

: Terminal
 : Connector
 : Field wiring

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

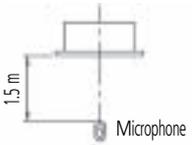
NOTES

- 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.

10 Sound data

10 - 1 Sound level data

FXZQ-M8

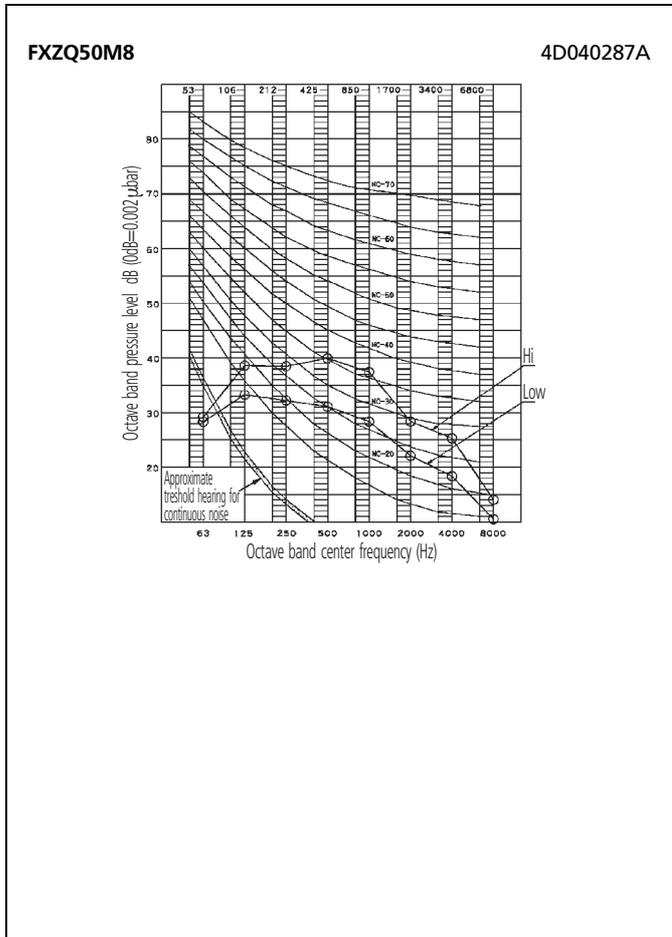
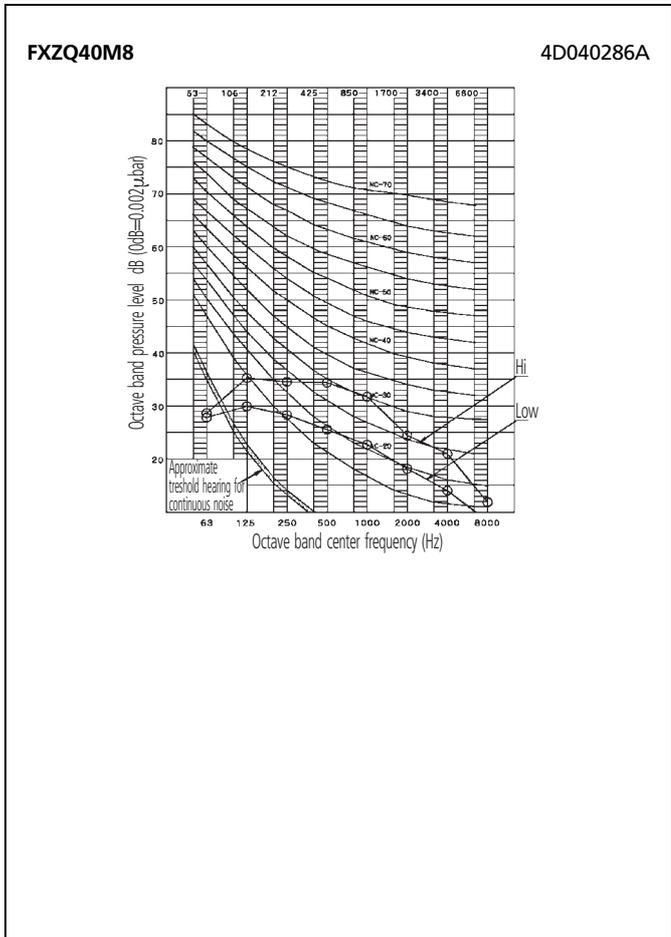
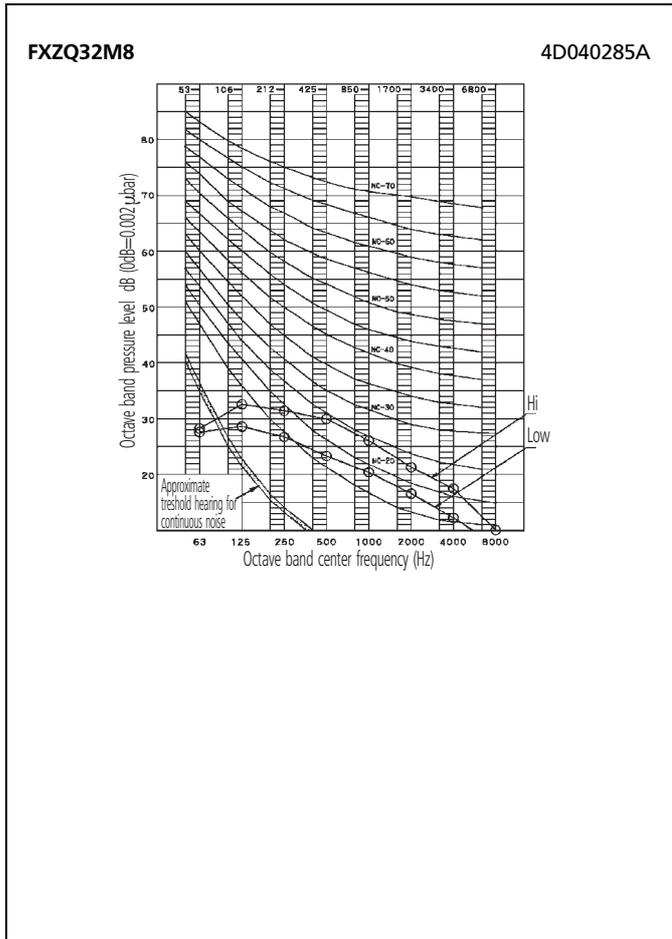
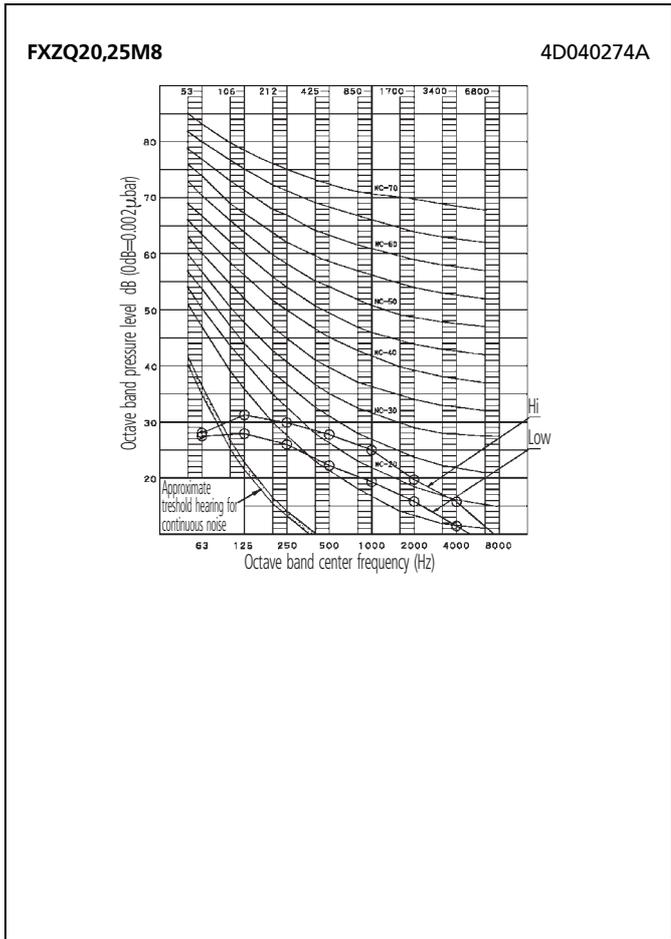
Model	Sound pressure level		Measuring location	Sound power level
	H	L		
FXZQ20M8	30	25		47
FXZQ25M8	30	25		47
FXZQ32M8	32	26		49
FXZQ40M8	36	28		53
FXZQ50M8	41	33		58

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

10 Sound data

10 - 2 Sound pressure spectrum



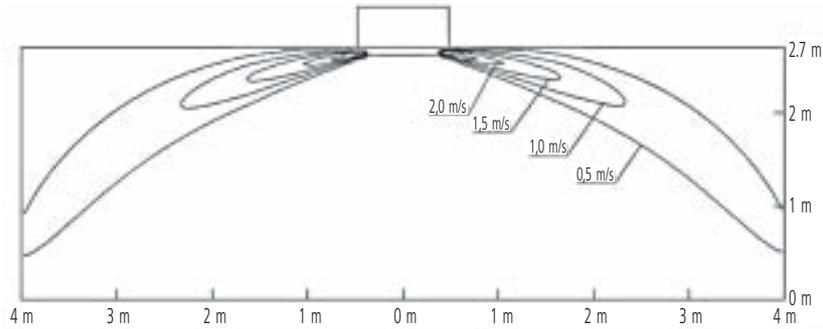
11 Air flow pattern

11

FXZQ20,25M8

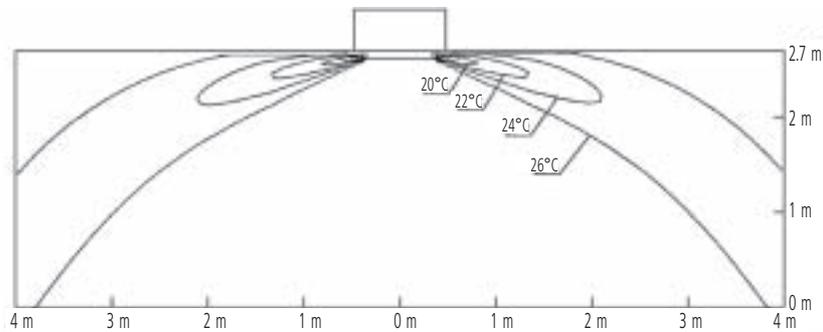
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal

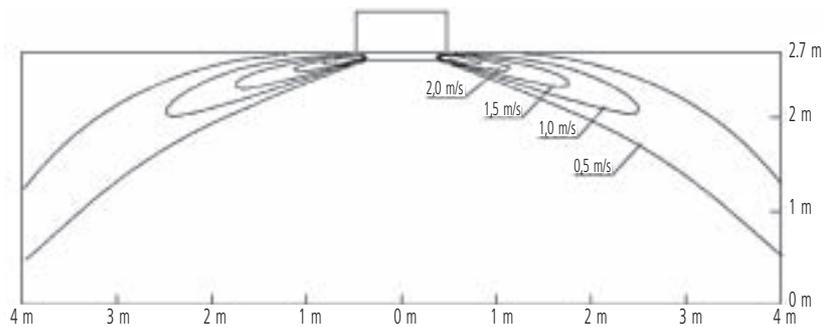


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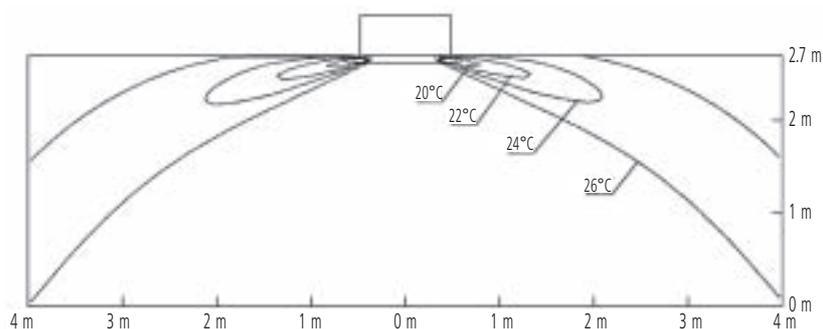
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal



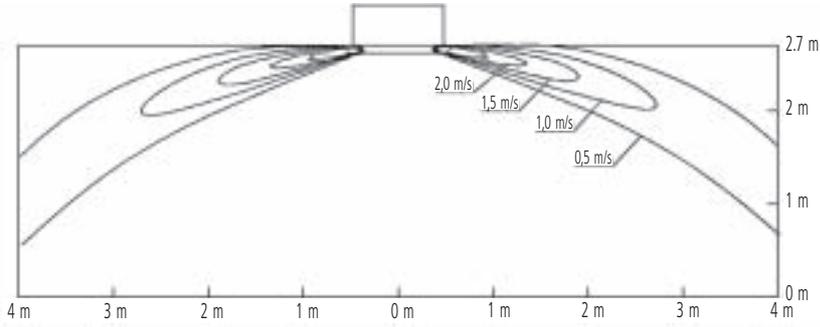
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11 Air flow pattern

FXZQ40M8

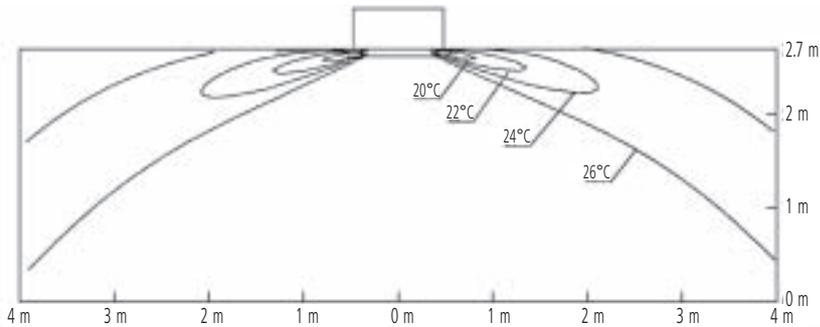
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal

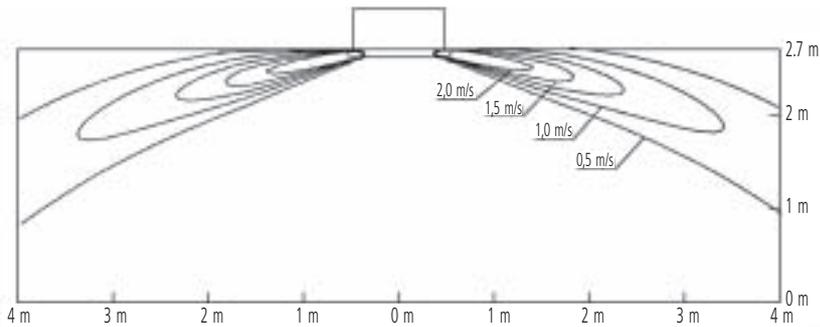


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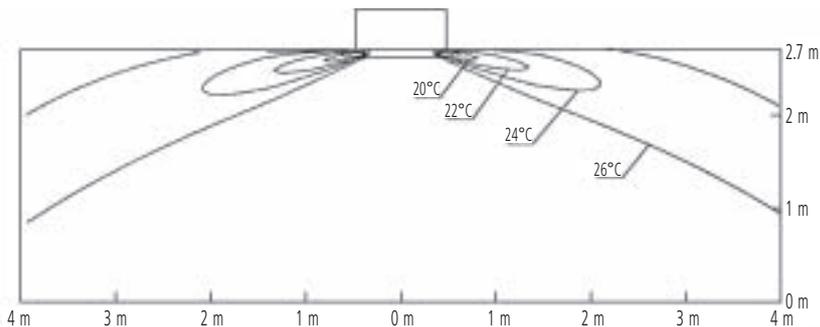
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal



4D040190

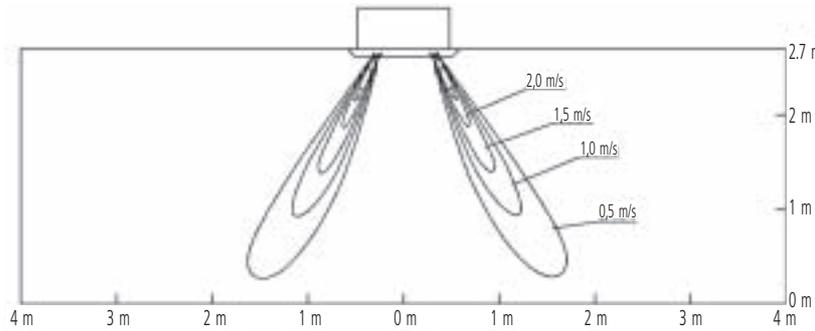
11 Air flow pattern

11

FXZQ20,25M8

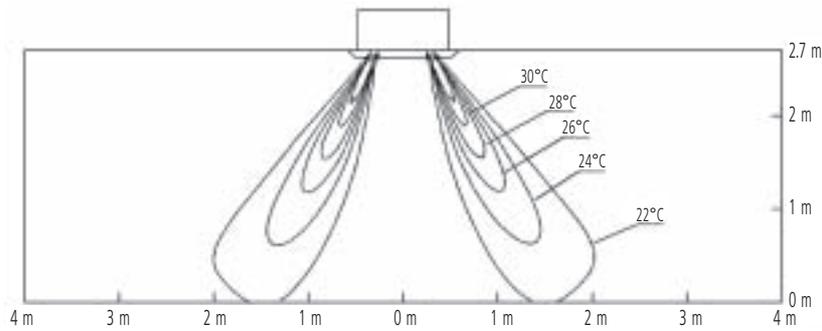
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

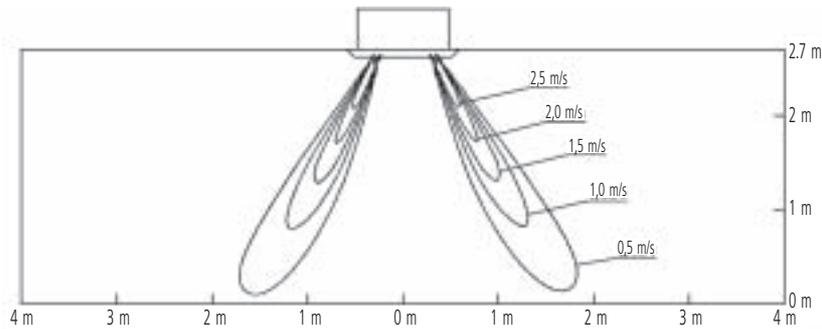


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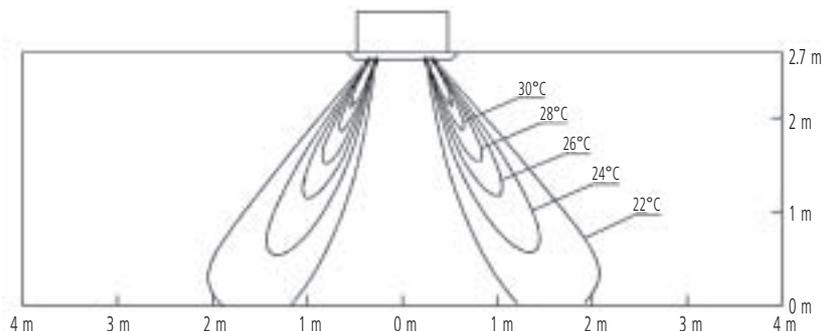
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



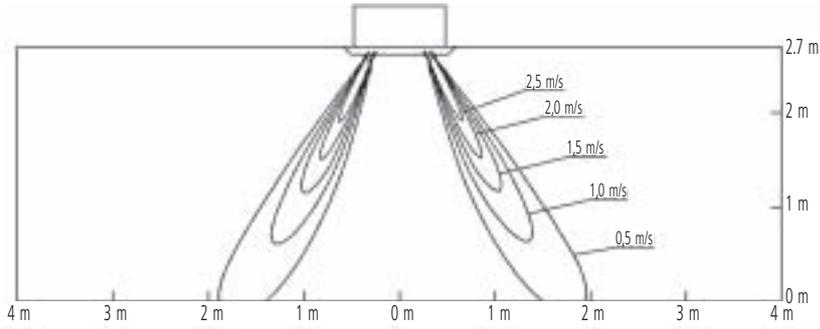
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11 Air flow pattern

FXZQ40M8

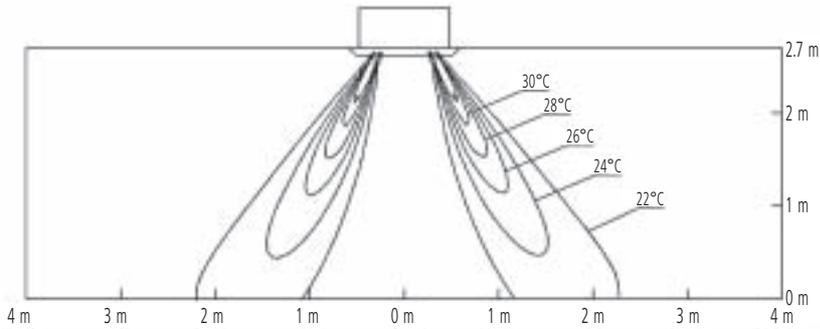
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

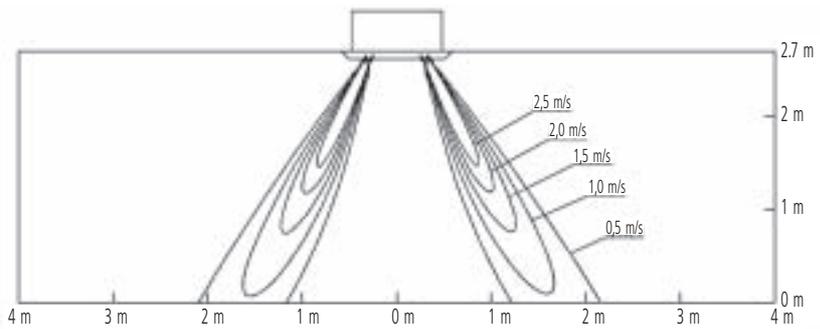


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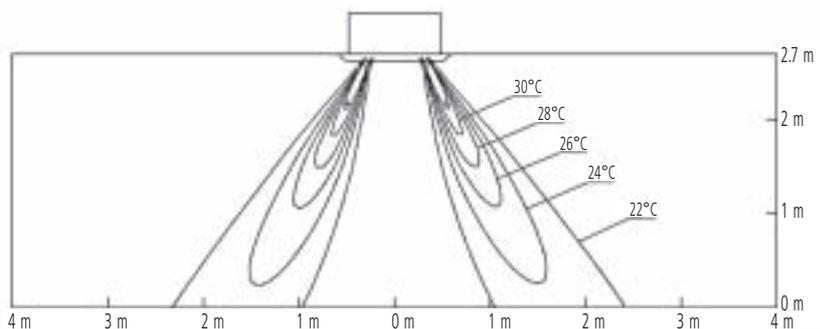
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



4D040193

11 Air flow pattern

2

VRV III-S
VRV III
VRV II
VRV-WII

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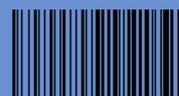
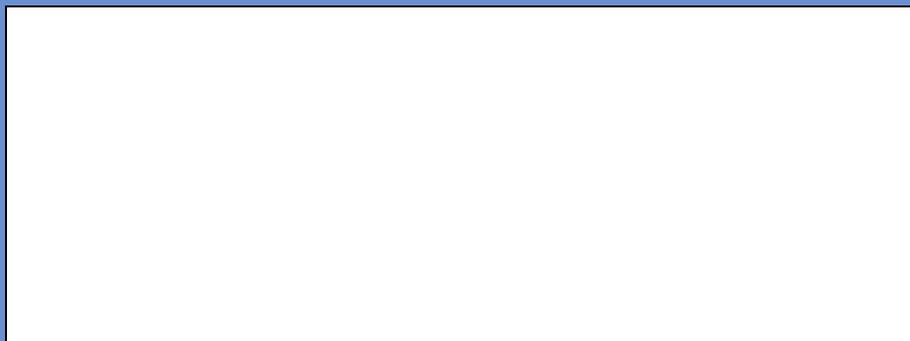
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