

technical data

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

air conditioning systems

VRV[®] III-S

VRV[®] III

VRV[®] -WII

TABLE OF CONTENTS

FXZQ-M8V1B

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

1 Specifications

1-1 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	m²	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	m³/min	9.00	9.00	9.50	11.00	14.00
		Low	m³/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
Cooling	Sound Pressure	High	dBA	30.0	30.0	32.0	36.0	41.0
		Low	dBA	25.0	25.0	26.0	28.0	33.0
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				

1 Specifications

1-1 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.				

1-2 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://extranet.daikineurope.com , select "E-Data Books". Finally, click on the document title of your choice.				

2 Safety device settings

		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
PC BOARD FUSE		250V 5A				
FAN MOTOR THERMAL PROTECTOR	°C	OFF: 130 ^{±5} / ON: 80 ^{±20}				

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3 Options

	FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
DECORATION PANEL	BYFQ60B				
SEALING MEMBER OF AIR DISCHARGE OUTLET	KDBH44BA60				
PANEL SPACER	KDBQ44B60				
REPLACEMENT LONG LIFE FILTER	KAFQ441BA60				
FRESH AIR INTAKE KIT DIRECT INSTALLATION TYPE	KDDQ44XA60				
3TW26429-1C					

4 Control systems

Individual control systems

		FXZQ20M8	FXZQ25M8	FXZQ32M8	FXZQ40M8	FXZQ50M8
WIRED REMOTE CONTROL				BRC1D52		
INFRARED REMOTE CONTROL	Heat pump			BRC7E530		
	Cooling only			BRC7E531		

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)				KRP1BA101		
ELECTRICAL BOX WITH EARTH TERMINAL (3 BLOCKS)				KJB311A		
ELECTRICAL BOX WITH EARTH TERMINAL (2 BLOCKS)				KJB212A		
NOISE FILTER (FOR ELECTROMAGNETIC INTERFACE USE ONLY)				KEK26-1A		
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)				DTA104A52 #		

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5 Capacity tables

5 - 1 Cooling capacity tables

FXZQ-M8																
Unit size	Nominal Capacity	Outdoor °CDB	Indoor air temp.B													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0 WB		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	2.9	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	3.3	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	3.2	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	3.1	5.0	3.0
37.0	3.0	2.5	3.6	2.9	4.2	3.2	4.5	3.2	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	3.2	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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5 Capacity tables

5 - 2 Heating capacity tables

FXZQ-M8

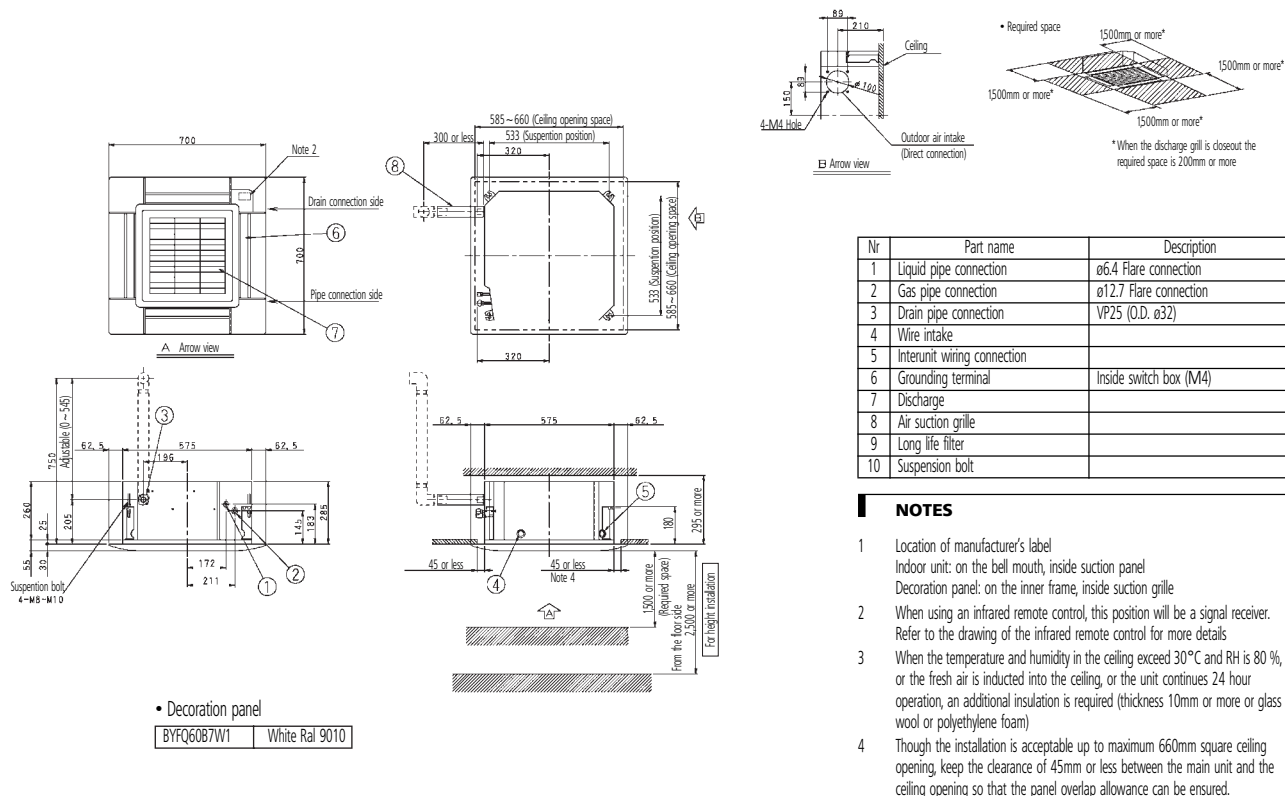
Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
		(°CDB)	(°CWB)	16.0	18.0	20.0	21.0	22.0	24.0
				KW	KW	KW	KW	KW	KW
20	2.5	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
		-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
		-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
		-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
		-12.6	-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
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		-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
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		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
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		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
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
		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

3TW25512-2A

6 Dimensional drawing & centre of gravity

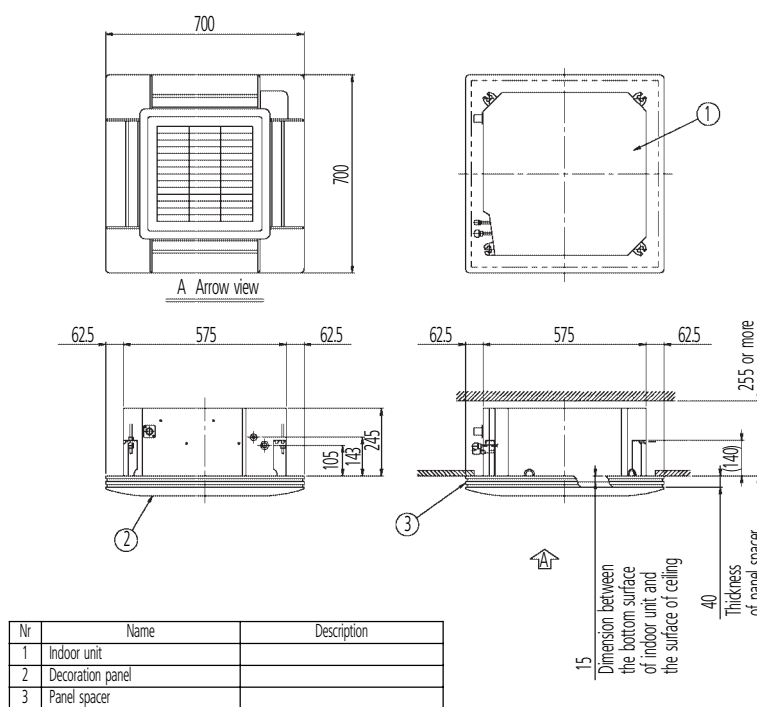
6 - 1 Dimensional drawing

FXZQ-M8



3D039005B

FXZQ-M8

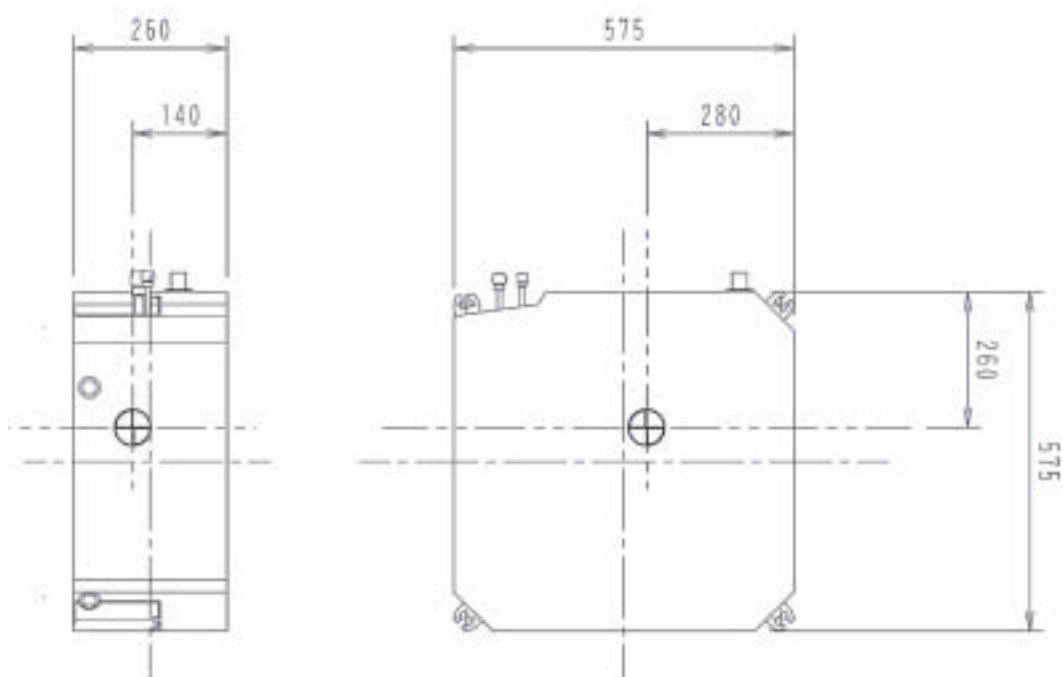


3D041038

6 Dimensional drawing & centre of gravity

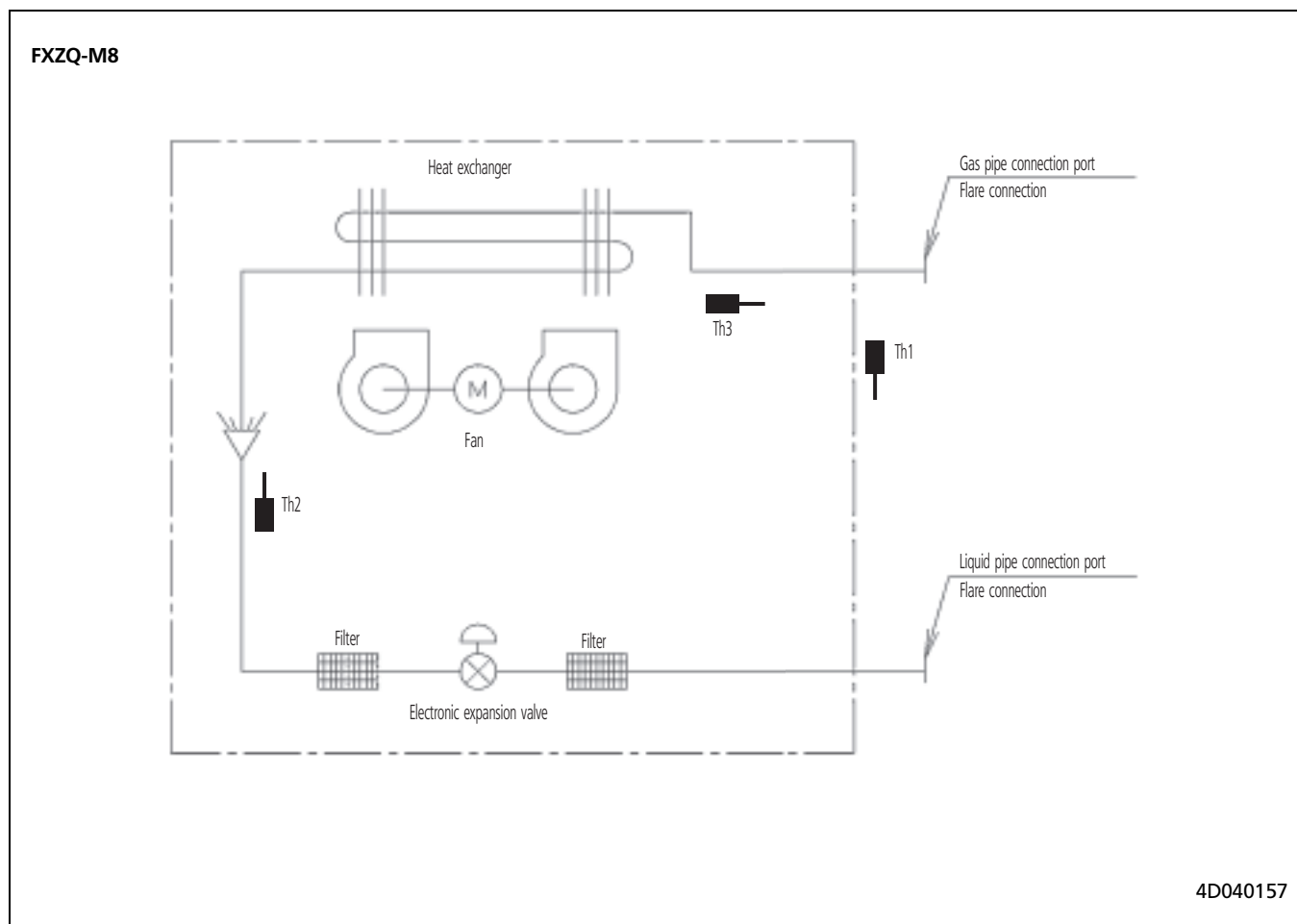
6 - 2 Centre of gravity

FXZQ-M8



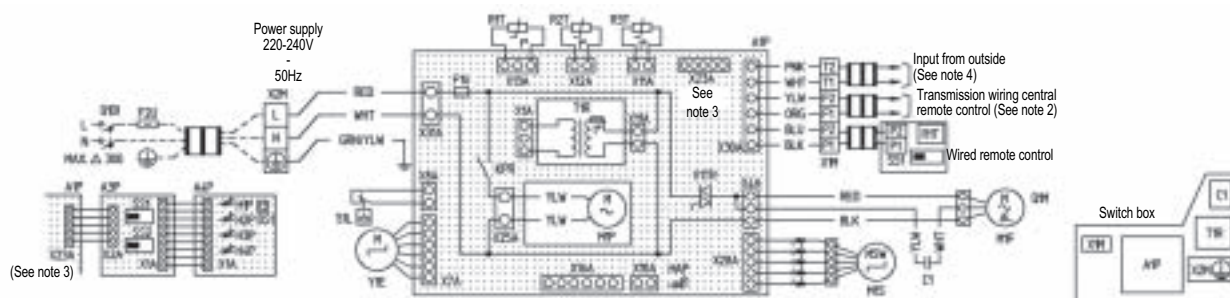
4D040158

7 Piping diagram



8 - 1 Wiring diagram

8



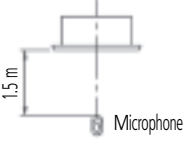
A1P	Printed circuit board	R2T	Thermistor (coil-liquid)	BS1	Push button (on/off)
C1	Capacitor (M1F)	R3T	Transformer (220-240V/22V)	H1P	Light emitting diode (on-red)
F1U	Fuse (B , 5a, 250V)	V1TR	Triac	H2P	Light emitting diode (timer-green)
F2U	Field fuse	X1M	Terminal strip	H2P	Light emitting diode (filter sign-red)
HAP	Light emitting diode (service monitor green)	X2M	Terminal strip	H3P	Light emitting diode (defrost-orange)
KPR	Magnetic relay (M1P)	Y3E	Electronic expansion valve	SS1	Selector switch (main/sub)
M1F	Motor (indoor fan)	Wired remote control		SS2	Selector switch (wireless address set)
M1P	Motor (drain pump)	R1T	Thermistor (air)	connector for optional parts	
M1S	Motor (swing flap)	SS1	Selector switch (main/sub)	X16A	Connector (adapter for wire)
Q1DI	Field earth leak dedector (max. 300mA)	Infrared remote control (receiver/display unit)		X18A	Connector (on/off) (wiring adapter for electrical appendices)
Q1M	Thermal protector (M1F embedded)	A3P	Printed circuit board		
R1T	Thermistor (air)	A4P	Printed circuit board		

3TW26426-1B

- 1 In case of using a remote control, connect it to unit in accordance to the attached installation manual.
- 2 X23A is connected when the wireless remote control kit is being used.
- 3 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.
- 4 Remote control model varies according to the combination system. See technical data and catalogs. Etc. before connecting.

9 Sound data

9 - 1 Sound level data

FXZQ-M8				
Model	Sound pressure level			Sound power level
	H	L	Measuring location	
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

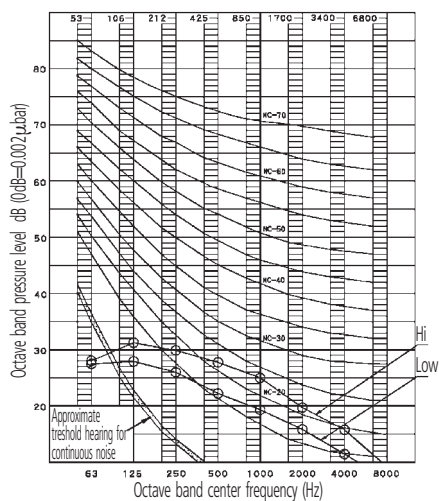
9 Sound data

9 - 2 Sound pressure spectrum

9

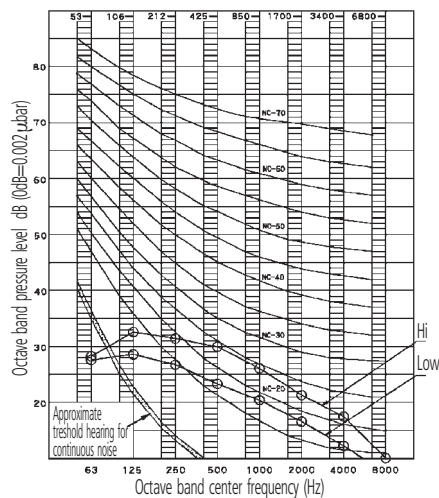
FXZQ20,25M8

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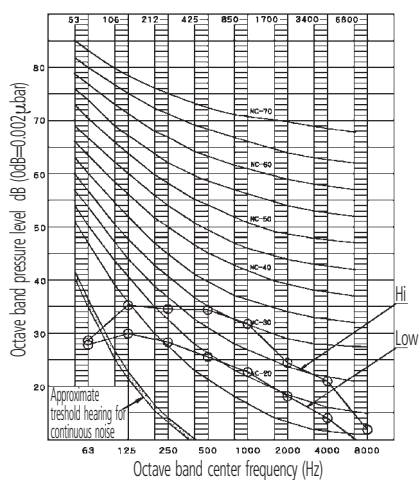
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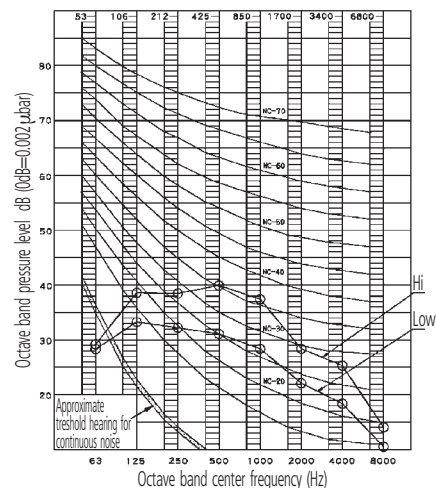
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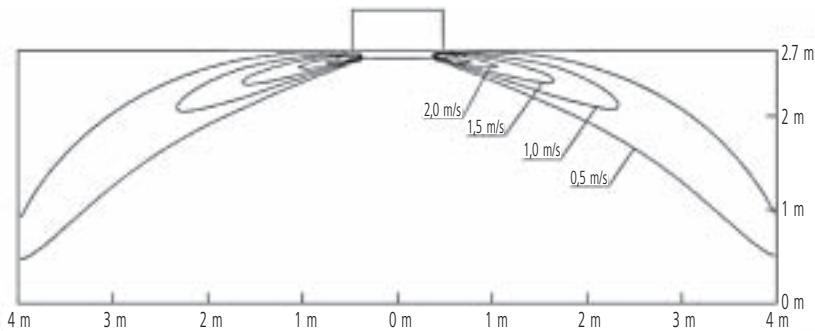
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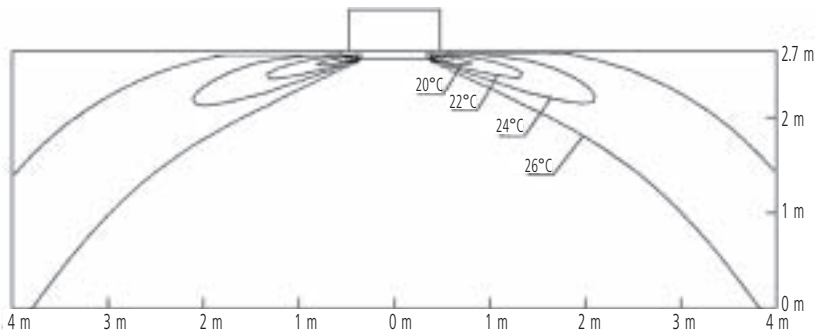
10 Air flow pattern

FXZQ20,25M8

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



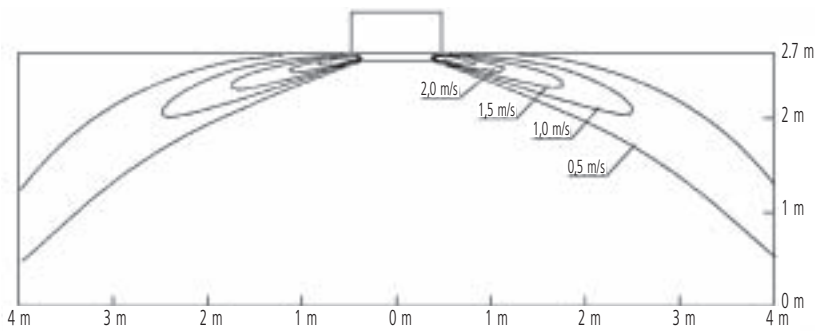
Cooling air temperature distribution
4-way discharge, air flow direction: horizontal



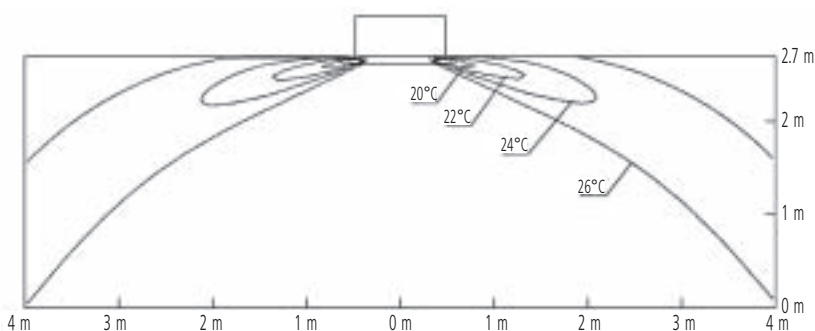
4D039738A

FXZQ32M8

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



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



4D040188

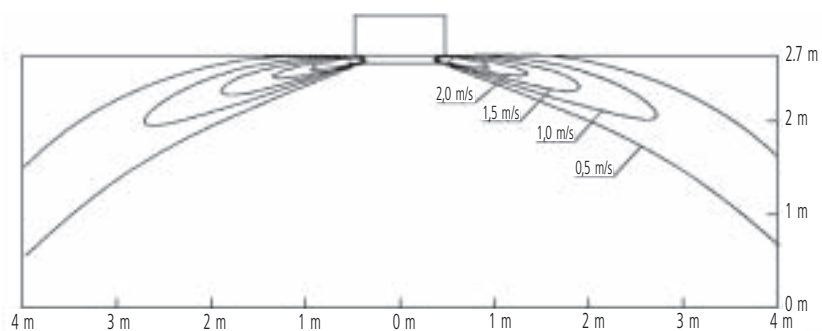
10 Air flow pattern

10

FXZQ40M8

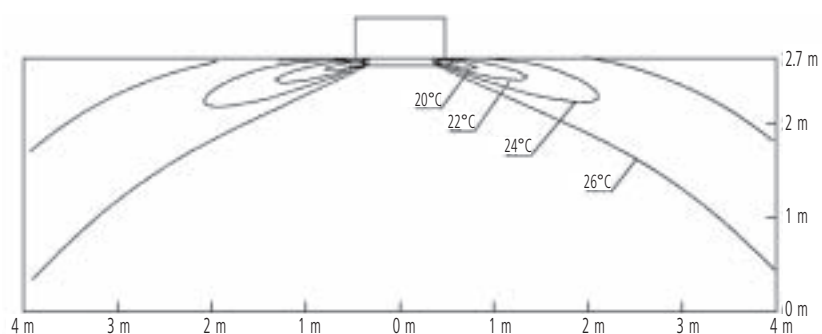
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal

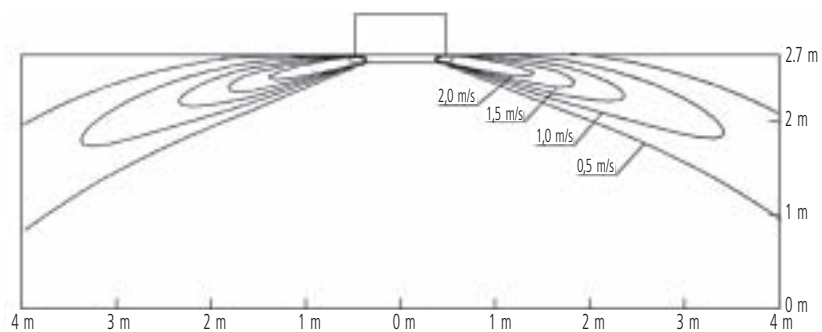


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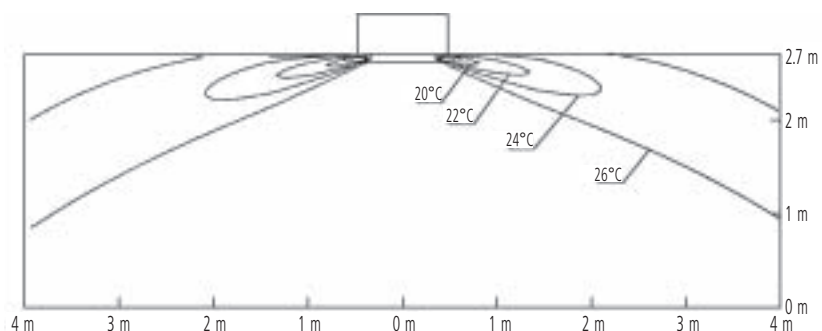
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal



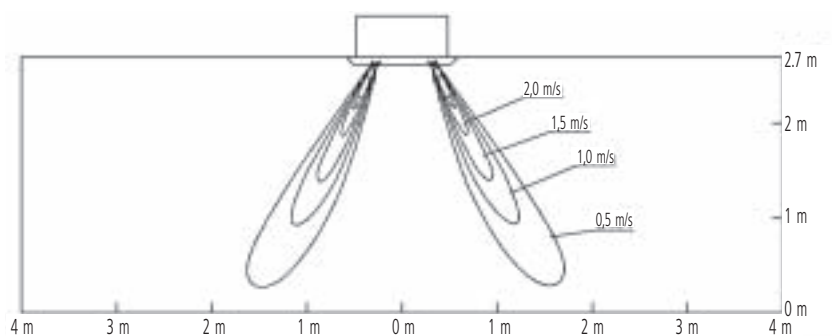
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10 Air flow pattern

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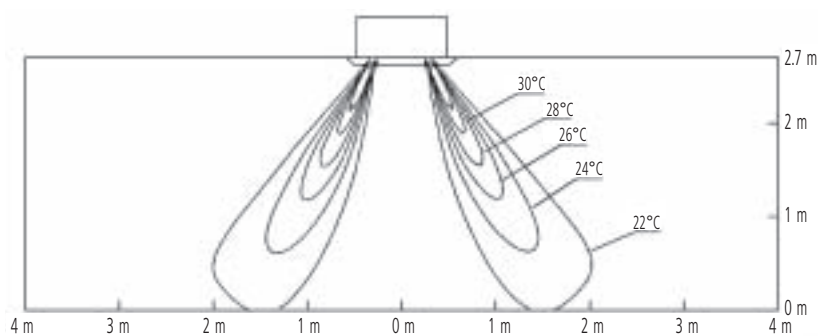
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

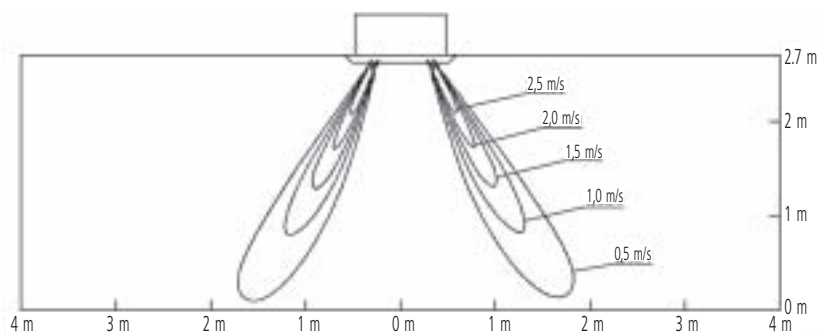


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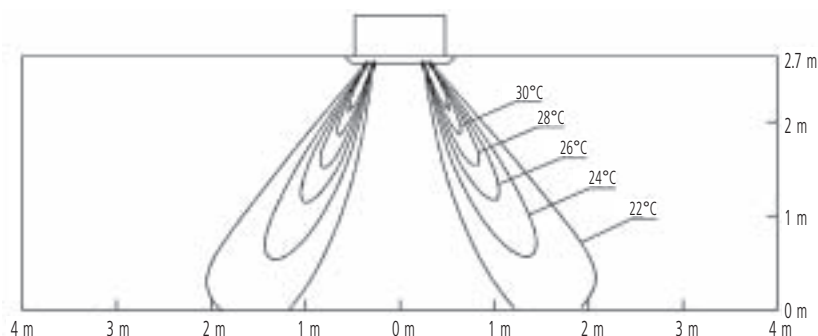
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



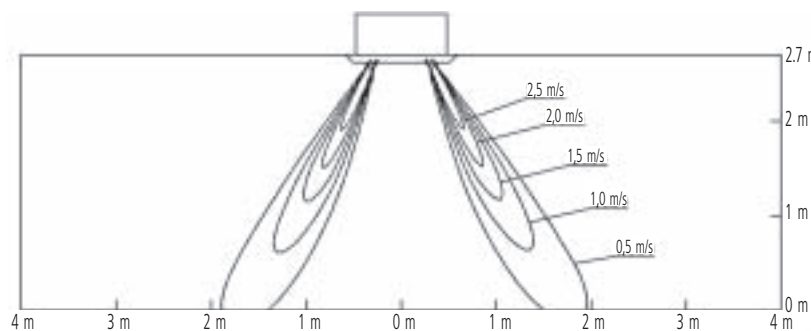
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10 Air flow pattern

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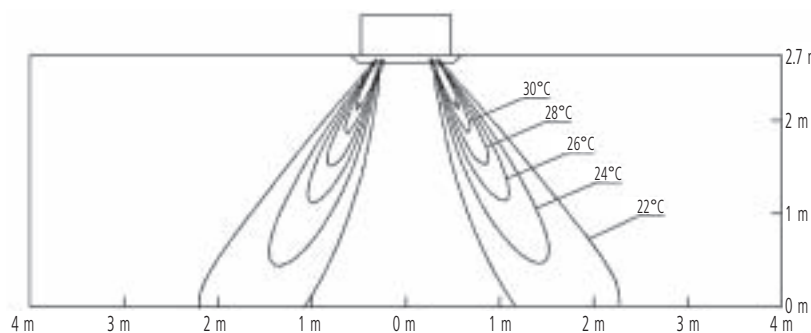
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

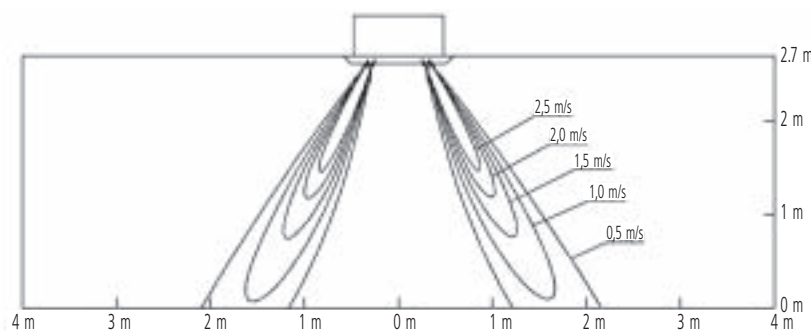


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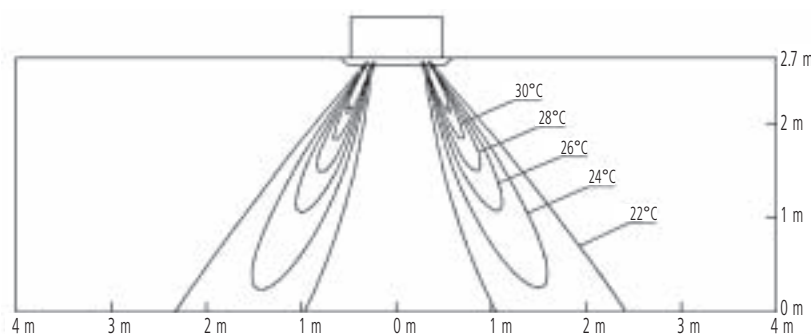
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



4D040193

2

VRV III-S
VRV III
VRV-WII



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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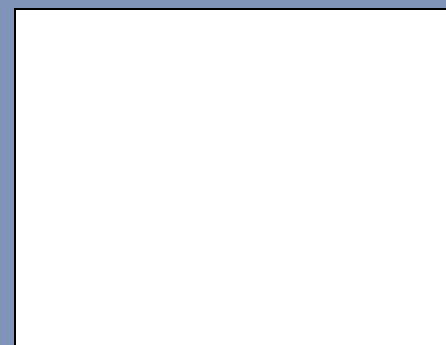


ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



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

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