DAIKIN

technical data

air conditioning systems

600x600 4-Way Blow Ceiling Mounted Cassette

FXZQ-M9V1B

R-410A

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air conditioning systems

600x600 4-Way Blow Ceiling Mounted Cassette

FXZQ-M9V1B

R-410A

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FXZQ-M9V1B

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXZQ20M9V1B	FXZQ25M9V1B	FXZQ32M9V1B	FXZQ40M9V1B	FXZQ50M9V1B
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6
	Heating		kW	2.5	3.2	4.0	5.0	6.3
Power Input (50Hz)	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	1.5	1.5	1.5	1.5	1.5
		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
Cooling	High	m³/min		9.0	9.0	9.5	11.0	14.0
	Low	m³/min		7.0	7.0	7.5	8.0	10.0
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	47	49	53	58
Cooling	Sound Pressure	High	dBA	30	30	32	36	41
		Low	dBA	25	25	26	28	33
Piping connections	Liquid (OD)	Type		Flare connection				
		Diameter	mm	6.35	6.35	6.35	6.35	6.35
	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/foamed 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				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				
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 Specifications

1-2 ELECTRICAL SPECIFICATIONS (50HZ)				FXZQ20M9V1B	FXZQ25M9V1B	FXZQ32M9V1B	FXZQ40M9V1B	FXZQ50M9V1B
Power Supply	Name			V1				
	Phase			1~				
	Frequency		Hz	50				
	Voltage		V	220-240				
Current	Minimum circuit amps (MCA)		A	0.8	0.8	0.8	0.8	0.9
	Maximum fuse amps (MFA)		A	15	15	15	15	15
	Full load amps (FLA)		A	0.6	0.6	0.6	0.6	0.7
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 is smaller than or equal to 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				

2 Safety device settings

		FXZQ20M9	FXZQ25M9	FXZQ32M9	FXZQ40M9	FXZQ50M9
PC BOARD FUSE		250V 5A				
FAN MOTOR THERMAL PROTECTOR	°C	OFF: $130^{\pm5}$ / ON: $80^{\pm20}$				

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3 Options

	FXZQ20M9	FXZQ25M9	FXZQ32M9	FXZQ40M9	FXZQ50M9
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				

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4 Control systems

Individual control systems

		FXZQ20M9	FXZQ25M9	FXZQ32M9	FXZQ40M9	FXZQ50M9
WIRED REMOTE CONTROL		BRC1D52				
INFRARED REMOTE CONTROL	Heat pump	BRC7E530				
	Cooling only	BRC7E531				

Centralised control systems

	FXZQ20M9	FXZQ25M9	FXZQ32M9	FXZQ40M9	FXZQ50M9
CENTRALISED REMOTE CONTROL	DCS302C51				
UNIFIED ON/OFF CONTROL	DCS301B51				
SCHEDULE TIMER	DST301B61				

Others

	FXZQ20M9	FXZQ25M9	FXZQ32M9	FXZQ40M9	FXZQ50M9
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-M9

Unit size	Nominal Capacity	Outdoor °CDB	Indoor air temp.B													
			14.0WB 20.0DB		16.0WB 23.0DB		18.0WB 26.0DB		19.0WB 27.0DB		20.0 WB 28.0DB		22.0WB 30.0DB		24.0WB 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

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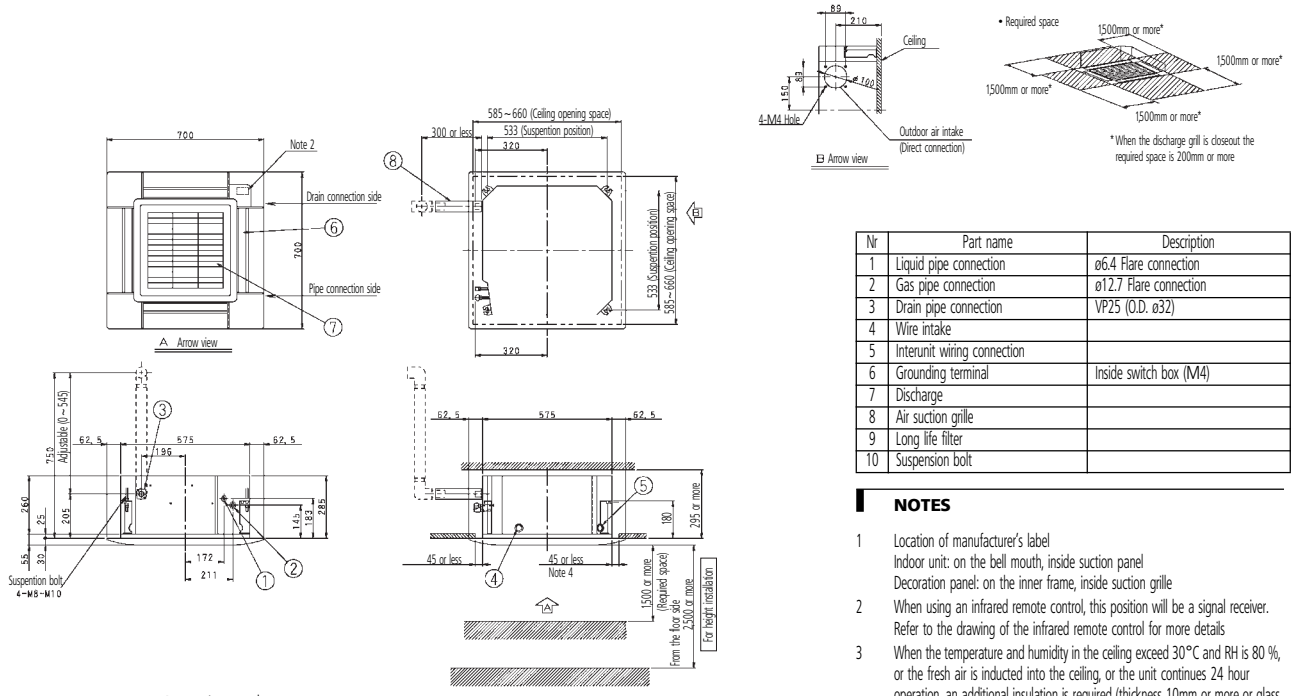
Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		(°CDB)	(°CWB)	KW	KW	KW	KW	KW	KW
20	2.5	-19.8	-20.0	1.5	1.5	1.5	1.5	1.5	1.5
		-18.8	-19.0	1.5	1.5	1.5	1.5	1.5	1.5
		-16.7	-17.0	1.6	1.6	1.6	1.6	1.6	1.6
		-14.7	-15.0	1.7	1.7	1.7	1.7	1.7	1.7
		-12.6	-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
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-M9



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	

• Decoration panel

BYFQ60B7W1	White Ral 9010

NOTES

1 Location of manufacturer's label
Indoor unit: on the bell mouth, inside suction panel
Decoration panel: on the inner frame, inside suction grille

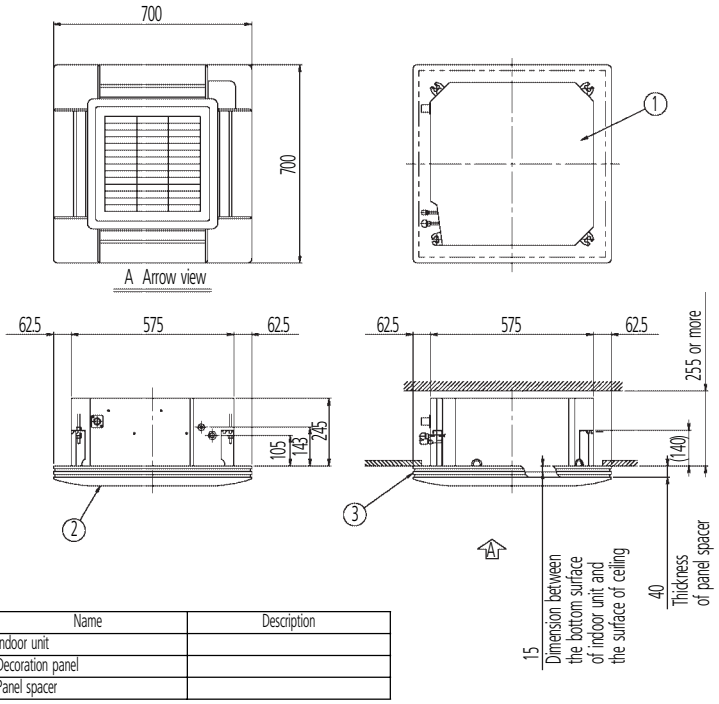
2 When using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for more details

3 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 or glass wool or polyethylene foam)

4 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-M9



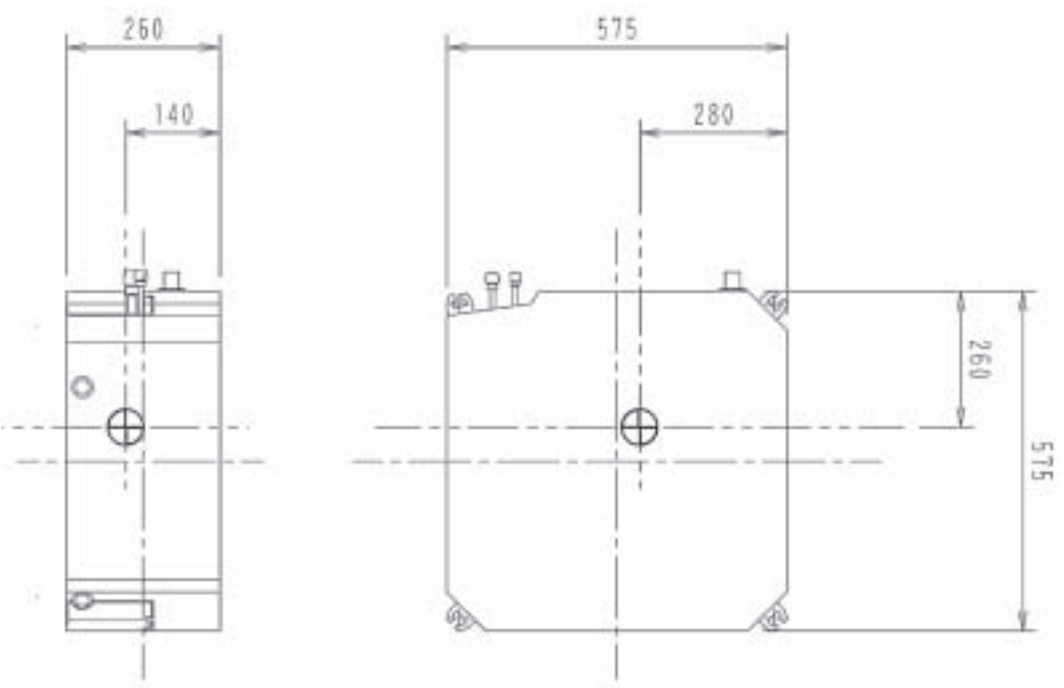
Nr	Name	Description
1	Indoor unit	
2	Decoration panel	
3	Panel spacer	

3D041038

6 Dimensional drawing & centre of gravity

6 - 2 Centre of gravity

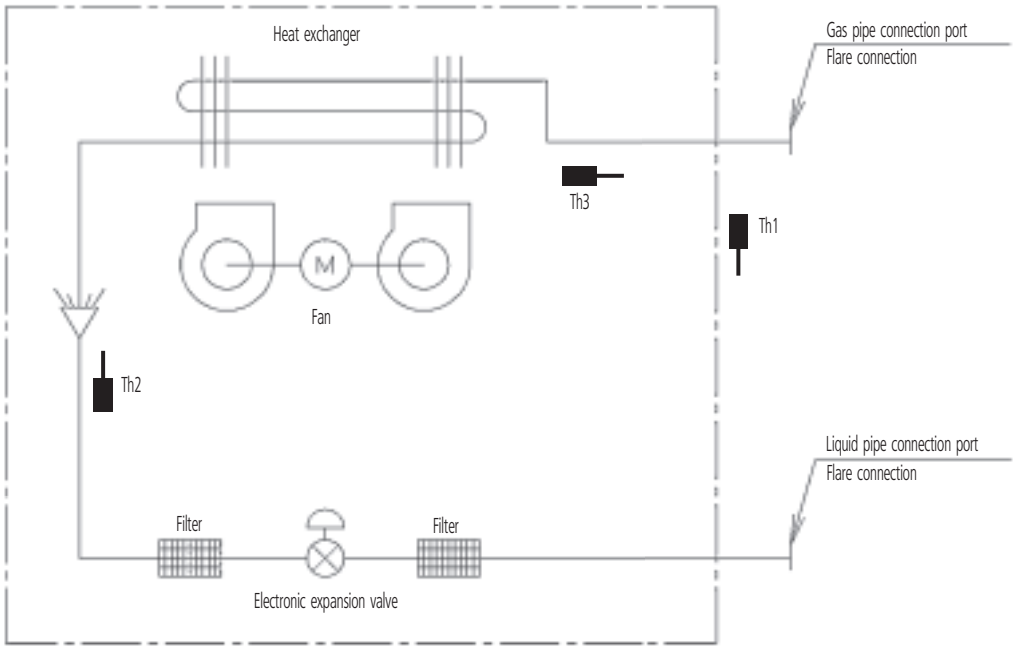
FXZQ-M9



4D040158

7 Piping diagram

FXZQ-M9

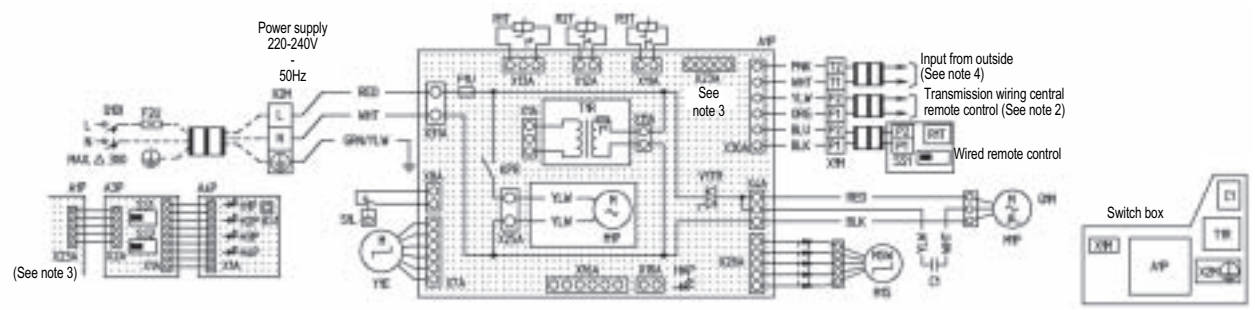


4D040157

8 Wiring diagram

8 - 1 Wiring diagram

FXZQ-M9



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	Selecter 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	Therminal protector (M1F embedded)	A3P	Printed circuit board		
R1T	Thermistor (air)	A4P	Printed circuit board		

: Terminal
: Connector
: Wire clamp
: Field wiring

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

3TW26426-1B

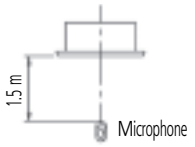
NOTES

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-M9

Model	Sound pressure level			Sound power level
	H	L	Measuring location	
FXZQ20M9	30	25		47
FXZQ25M9	30	25		47
FXZQ32M9	32	26		49
FXZQ40M9	36	28		53
FXZQ50M9	41	33		58

NOTES

1 Measuring place: anechoic chamber

2 Operation noise differs with operation and ambient conditions

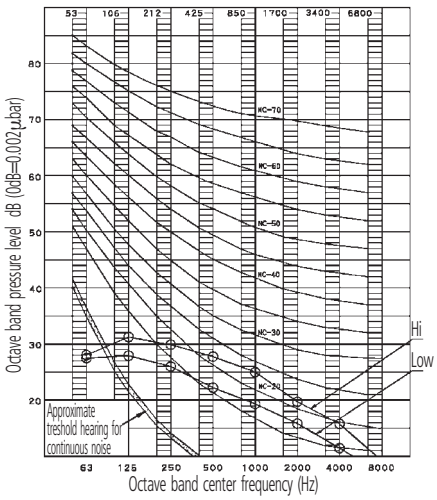
3 Operating conditions: Power source: 230V, 50 Hz

- 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

FXZQ20,25M9 4D040274A



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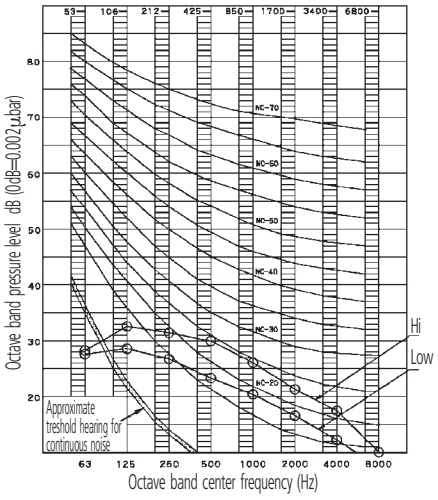

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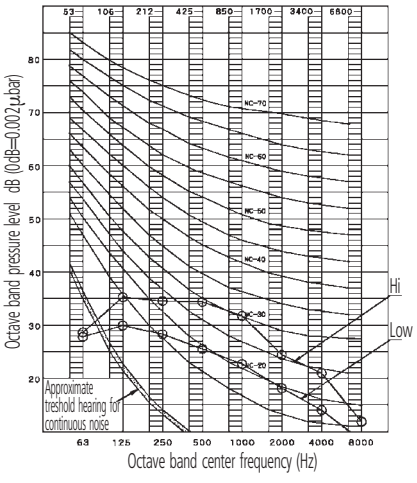

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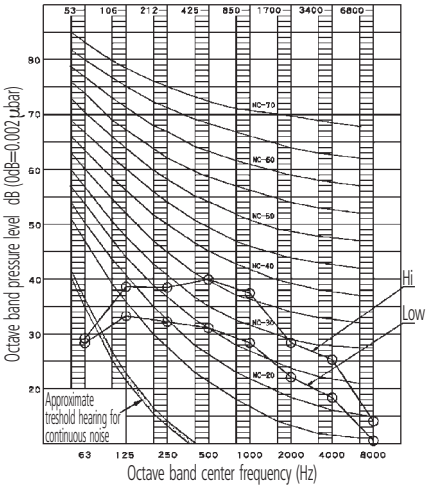
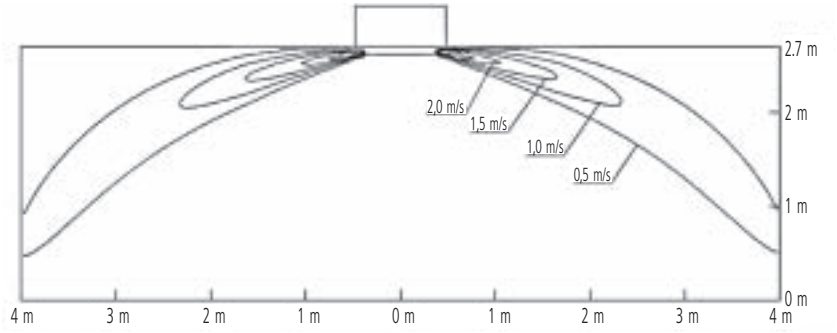


10 Air flow pattern

FXZQ20,25M9

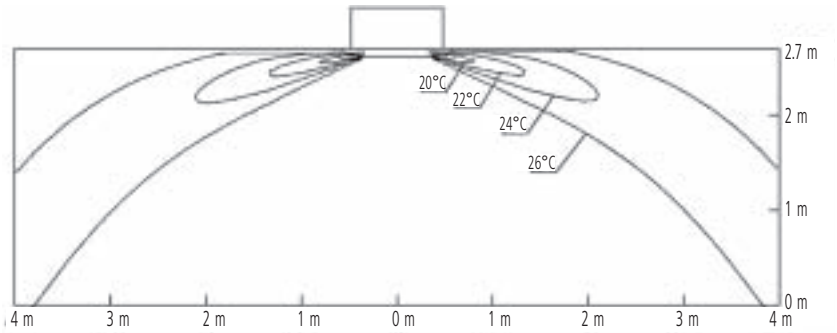
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal

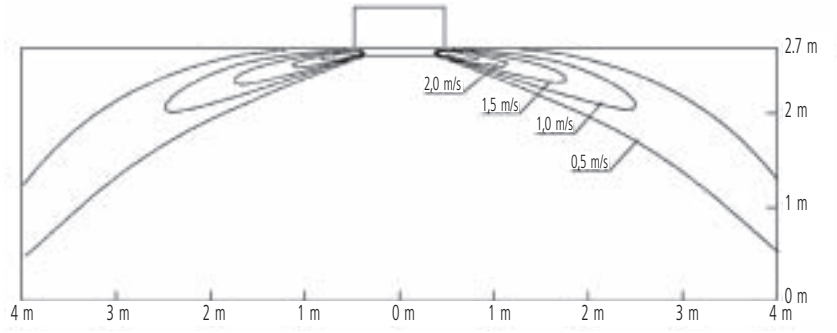


4D039738A

FXZQ32M9

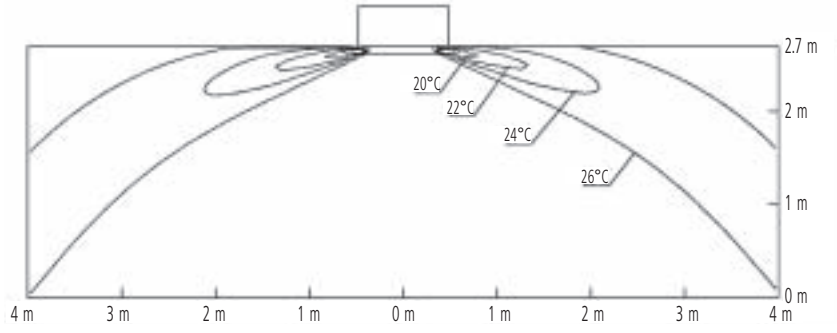
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal



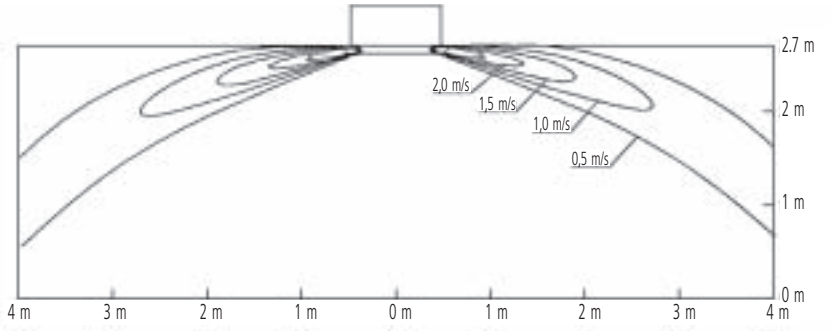
4D040188

10 Air flow pattern

FXZQ40M9

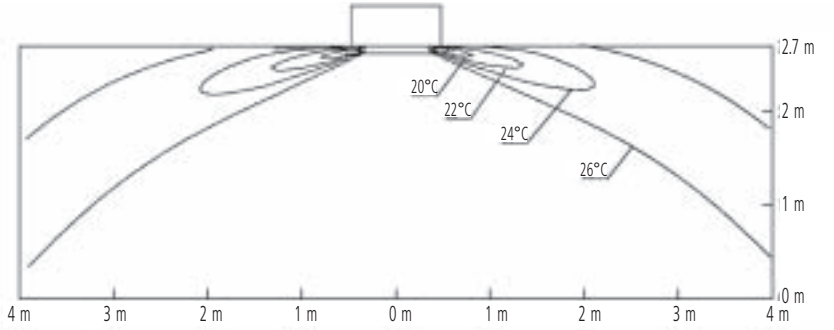
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal

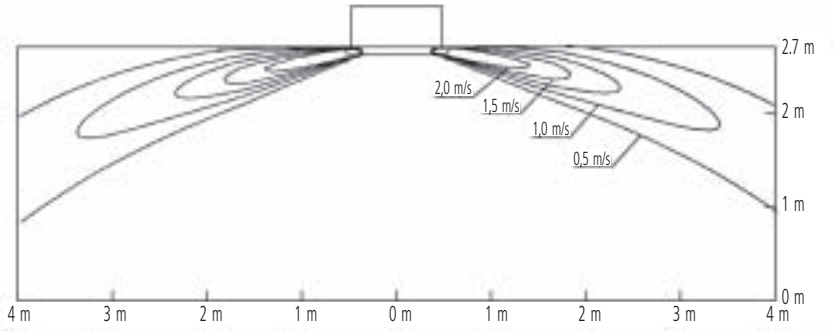


4D040189

FXZQ50M9

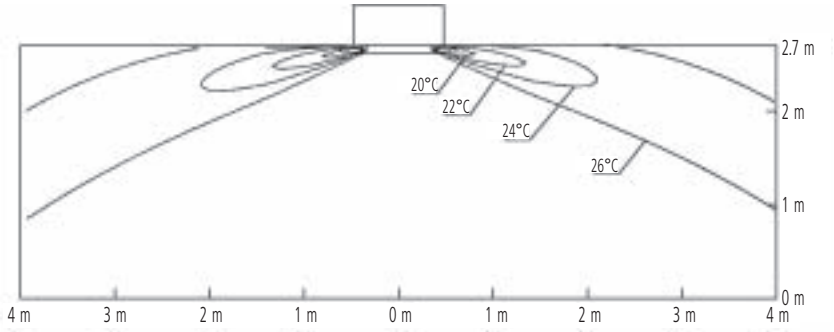
Cooling air velocity distribution

4-way discharge, air flow direction: horizontal



Cooling air temperature distribution

4-way discharge, air flow direction: horizontal



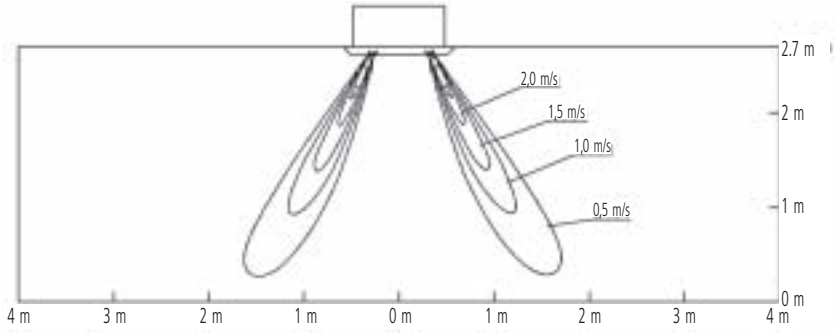
4D040190

10 Air flow pattern

FXZQ20,25M9

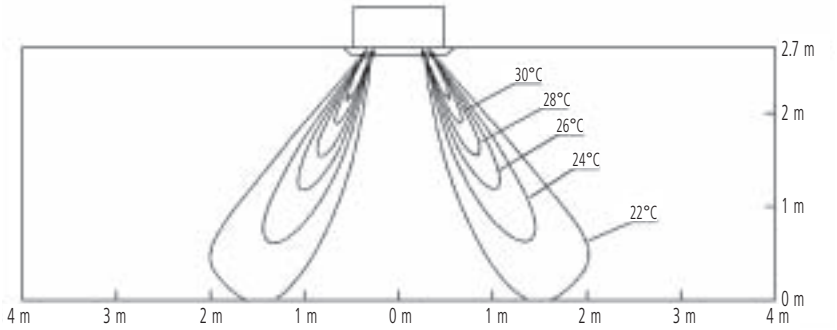
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

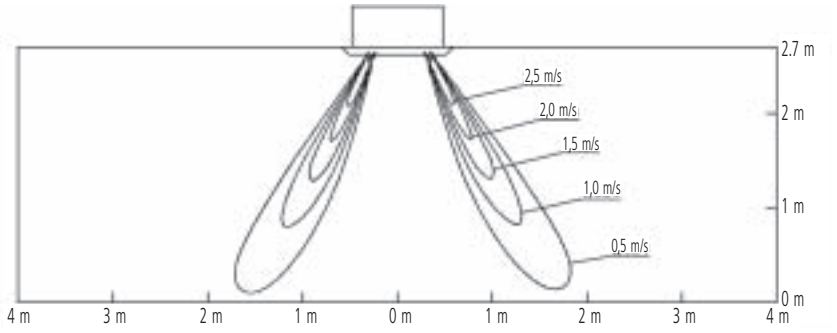


4D039820A

FXZQ32M9

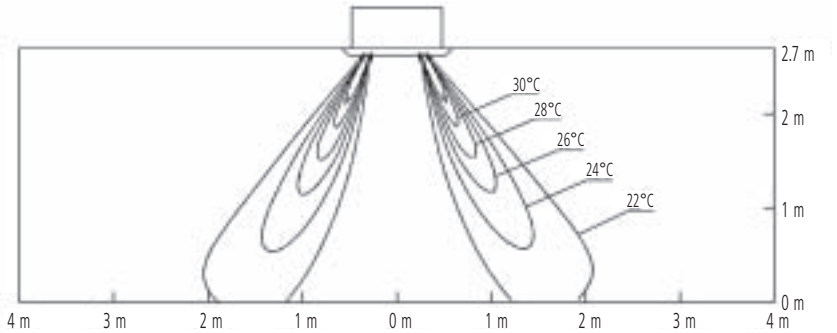
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



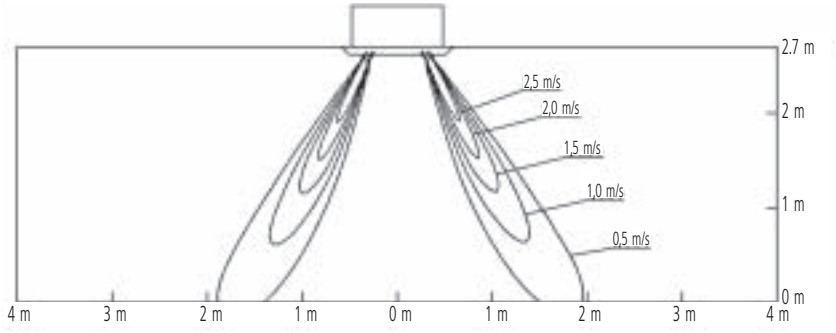
4D040191

10 Air flow pattern

FXZQ40M9

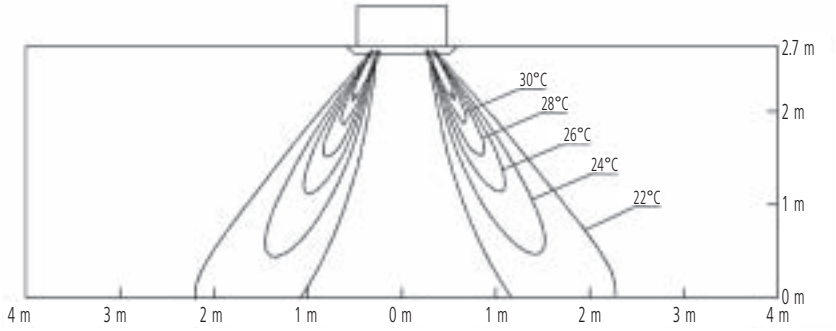
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down

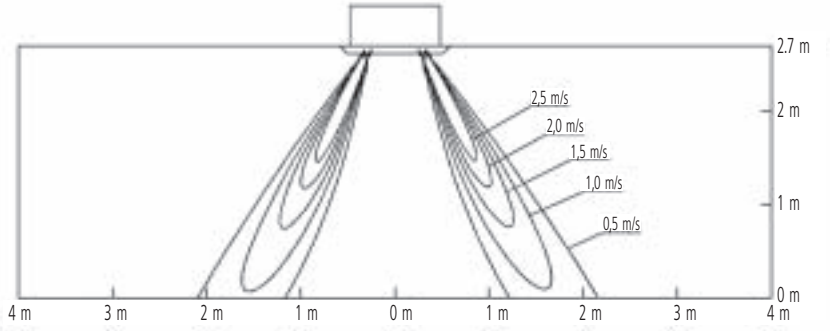


4D040192

FXZQ50M9

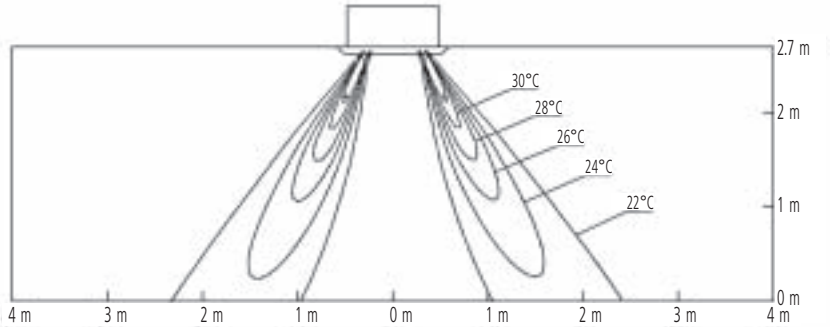
Heating air velocity distribution

4-way discharge, air flow direction: down



Heating air temperature distribution

4-way discharge, air flow direction: down



4D040193

In all of us, a green heart

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 intension 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.

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.

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.

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

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

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DAIKIN EUROPE N.V.

Naamloze Vennootschap
Zandvoordestraat 300
B-8400 Oostende, Belgium
www.daikin.eu
BTW: BE 0412 120 336
RPR Oostende

Printed in Belgium by Lannoo (www.lannooprint.be), a company whose concern for the environnoint is set in the EMAS and ISO 14001 systems.
Responsible Editor: Daikin Europe N.V., Zandvoordestraat 300, B- 8400 Oostende