



technical data

Ceiling Mounted Corner Cassette
FXKQ-MAVE

air conditioning systems

VRV[®] III-S

VRV[®] III

VRV[®]-WII

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FXKQ-MAVE

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1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Nominal Capacity	Cooling	kW		2.80	3.60	4.50	7.10
	Heating	kW		3.20	4.00	5.00	8.00
Power input (Nominal)	Cooling	kW		0.066	0.066	0.076	0.105
	Heating	kW		0.046	0.046	0.056	0.085
Casing	Material			Galvanised steel			
Dimensions	Unit	Height	mm	215	215	215	215
		Width	mm	1110	1110	1110	1310
		Depth	mm	710	710	710	710
Weight	Unit		kg	31	31	31	34
Heat Exchanger	Dimensions	Nr of Rows		2	2	2	3
		Fin Pitch	mm	1.75	1.75	1.75	1.75
		Face Area	m ²	0.180	0.180	0.180	0.226
		Nr of Stages		11	11	11	11
Fan	Type			Sirocco fan			
	Quantity			1	1	1	1
Air Flow Rate	Cooling	High	m ³ /min	11.00	11.00	13.00	18.00
		Low	m ³ /min	9.00	9.00	10.00	15.00
Fan	Motor	Quantity		1	1	1	1
		Model		3D12H1AN1V1	3D12H1AN1V1	3D12H1AP1V1	4D12H1AJ1V1
		Output (high)	W	15	15	20	45
		Drive			Direct drive		
Refrigerant	Name			R-410A			
Cooling	Sound Pressure	High	dBA	38.0	38.0	40.0	42.0
		Low	dBA	33.0	33.0	34.0	37.0
Piping connections	Liquid (OD)	Type		Flare connection			
		Diameter	mm	6.4	6.4	6.4	9.5
	Gas	Type		Flare connection			
		Diameter	mm	12.7	12.7	12.7	15.9
	Drain	Diameter	mm	32	32	32	32
Heat Insulation			Foamed Polyethylene				
Decoration Panel	Model			BYK45FJW1	BYK45FJW1	BYK45FJW1	BYK71FJW1
	Colour			White			
	Dimensions	Height	mm	70	70	70	70
		Width	mm	1240	1240	1240	1440
		Depth	mm	800	800	800	800
Weight		kg	8.5	8.5	8.5	9.5	
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						
	Drain pump fuse						
	Fan motor thermal fuse			Fan motor thermal protector			
Standard Accessories	Standard Accessories						
	Installation and operation manual						
	Metal clamp for drain hose						
	Clamps						
	Insulation for hangar bracket						
	Positioning Jig for Installation						
	Paper pattern for installation						
	Drain hose						
	Insulation for fitting						
	Sealing Pads						
	Screws						
	Washer						
Air Outlet blocking pad							

1

2

1 Specifications

1-1 TECHNICAL SPECIFICATIONS	FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
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.			
	Sound pressure levels are measured at 220V			

1-2 ELECTRICAL SPECIFICATIONS			FXKQ25MAVE	FXKQ32MAVE	FXKQ40MAVE	FXKQ63MAVE
Power Supply	Name		VE			
	Phase		1	1	1	1
	Frequency	Hz	50	50	50	50
	Voltage	V	220-240			
Current	Minimum circuit amps (MCA)	A	0.30	0.30	0.30	0.50
	Maximum fuse amps (MFA)	A	15.00	15.00	15.00	15.00
	Full load amps (FLA)	A	0.20	0.20	0.20	0.40
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

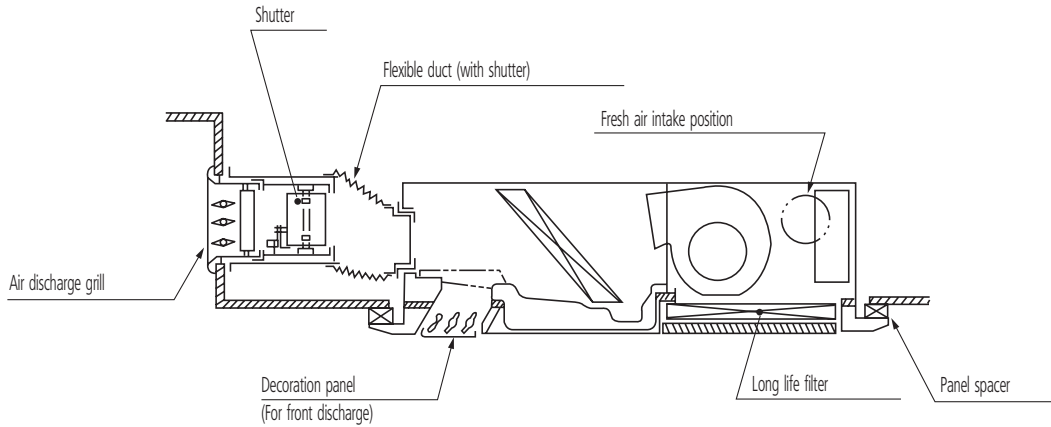
		FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
PC BOARD FUSE		250V 5A			
FAN MOTOR THERMAL FUSE	°C	146 \pm 3		-	
FAN MOTOR THERMAL PROTECTOR	°C	-		OFF: 120 \pm 5 / ON: 105 or less	
DRAIN PUMP THERMAL FUSE	°C	145			

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3 Options

	FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
DECORATION PANEL		BYK45FJW1		BYK71FJW1
PANEL SPACER		KPBJ52F56W		KPBJ52F80W
LONG LIFE REPLACEMENT FILTER		KAFJ521F56		KAFJ521F80
AIR DISCHARGE GRILL		K-HV7AW		K-HV9AW
AIR DISCHARGE BLIND PANEL		KDBJ52F56W		KDBJ52F80W
FLEXIBLE DUCT (WITH SHUTTER)		KFDJ52F56		KFDJ52F80

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4 Control systems

Individual control systems

		FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
WIRED REMOTE CONTROL		BRC1D52			
INFRARED REMOTE CONTROL	Heat pump	BRC4C61			
	Cooling only	BRC4C63			

Centralised control systems

		FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
CENTRALISED REMOTE CONTROL		DCS302C51			
UNIFIED ON/OFF CONTROL		DCS301B51			
SCHEDULE TIMER		DST301B51			

Others

		FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
WIRING ADAPTER		KRP1B61			
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)		KRP2A61			
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)		KRP4A51			
REMOTE SENSOR		KRCS01-1			
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)		DTA104A61			

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5 Capacity tables

5 - 1 Cooling capacity tables

FXKQ-MA		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
25	2.8	10.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.7	2.5
		12.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.6	2.5
		14.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.6	2.5
		16.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.5	2.4
		18.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.5	2.4
		20.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.4	2.4
		21.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.4	2.5	3.4	2.4
		23.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.3	2.5	3.4	2.3
		25.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.3	2.5	3.3	2.3
		27.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.2	2.4	3.3	2.3
		29.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.2	2.4	3.2	2.3
		31.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.1	2.4	3.2	2.3
		33.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.1	2.4	3.1	2.3
		35.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	3.0	2.5	3.0	2.4	3.1	2.3
37.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	2.9	2.5	3.0	2.4	3.0	2.3		
39.0	1.9	1.9	2.3	2.2	2.6	2.3	2.8	2.4	2.9	2.5	2.9	2.3	3.0	2.2		
32	3.6	10.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.7	2.9
		12.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.7	2.9
		14.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.6	2.9
		16.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.6	2.8
		18.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.5	2.8
		20.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.4	2.8
		21.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.3	2.9	4.4	2.7
		23.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.2	2.9	4.3	2.7
		25.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.2	2.8	4.3	2.7
		27.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.1	2.8	4.2	2.7
		29.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.1	2.8	4.2	2.6
		31.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	4.0	2.7	4.1	2.6
		33.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	3.9	2.7	4.0	2.6
		35.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.8	2.9	3.9	2.7	4.0	2.6
37.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.7	2.8	3.8	2.7	3.9	2.6		
39.0	2.4	2.2	2.9	2.5	3.4	2.6	3.6	2.7	3.7	2.8	3.8	2.7	3.8	2.6		
40	4.5	10.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.9	3.5
		12.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.8	3.5
		14.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.8	3.4
		16.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.7	3.4
		18.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.6	3.3
		20.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.5	3.3
		21.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.4	3.5	5.5	3.3
		23.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.3	3.4	5.4	3.2
		25.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.2	3.4	5.3	3.2
		27.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.2	3.3	5.3	3.2
		29.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.1	3.3	5.2	3.1
		31.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	5.0	3.2	5.1	3.1
		33.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.8	3.3	4.9	3.2	5.0	3.1
		35.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.7	3.3	4.9	3.2	5.0	3.0
37.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.7	3.3	4.8	3.1	4.9	3.0		
39.0	3.0	2.6	3.6	2.8	4.2	3.2	4.5	3.2	4.6	3.2	4.7	3.1	4.8	3.0		
63	7.1	10.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.3	5.6
		12.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.2	5.5
		14.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.1	5.4
		16.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	9.0	5.3
		18.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	8.8	5.3
		20.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	8.7	5.2
		21.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.5	5.4	8.7	5.2
		23.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.4	5.3	8.5	5.1
		25.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.3	5.3	8.4	5.0
		27.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.1	5.2	8.3	5.0
		29.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	8.0	5.1	8.2	4.9
		31.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	7.9	5.1	8.1	4.9
		33.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.6	5.2	7.8	5.0	7.9	4.8
		35.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.5	5.2	7.7	5.0	7.8	4.8
37.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.4	5.1	7.5	4.9	7.7	4.8		
39.0	4.8	4.0	5.7	4.5	6.6	5.0	7.1	5.1	7.2	5.0	7.4	4.9	7.6	4.7		

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5 Capacity tables

5 - 2 Heating capacity tables

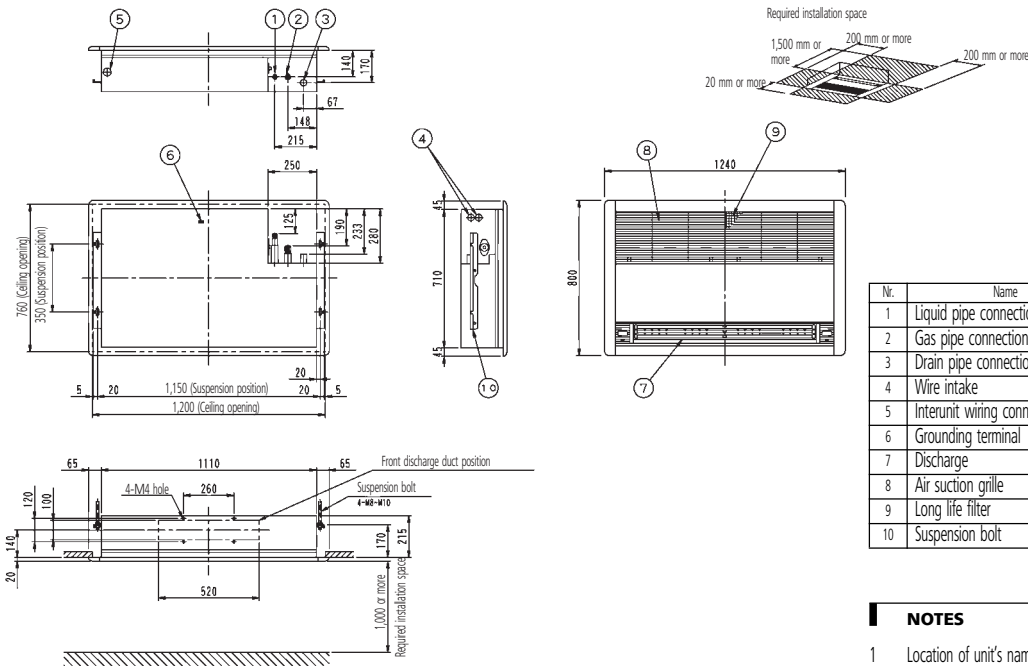
FXKQ-MA									
Unit Size	Nominal capacity	Outdoor air temperature		Indoor air temperature °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	kW	kW	kW	kW	kW	kW
25	3.2	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
		-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
		-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
		-14.7	-15.0	2.2	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		
63	8.0	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
		-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
		-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
		-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
		-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
		-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
		-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
		-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
		-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
		-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
		-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
		0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
		3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
		5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
		7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
		9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0		
13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0		
15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0		

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6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXKQ25,32,40MA



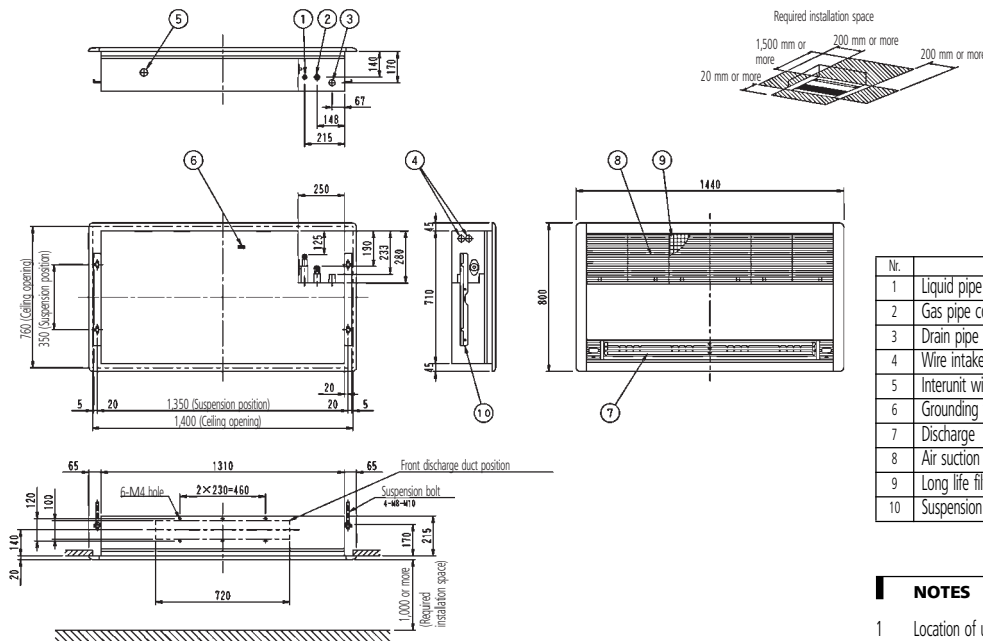
Nr.	Name	Description
1	Liquid pipe connection	ø 6.4 Flare connection
2	Gas pipe connection	ø 12.7 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32)
4	Wire intake	
5	Interunit wiring connection	
6	Grounding terminal	Inside switch box (M4)
7	Discharge	
8	Air suction grille	
9	Long life filter	
10	Suspension bolt	

NOTES

- Location of unit's name plate:
 - For main body: Bottom part of fan housing inside of air suction grille.
 - For decoration panel: Service lid face inside of air suction grille.
- When installing an optional accessory, refer to the installation drawings.

3D038840

FXKQ63MA



Nr.	Name	Description
1	Liquid pipe connection	ø 9.5 Flare connection
2	Gas pipe connection	ø 15.9 Flare connection
3	Drain pipe connection	VP25 (O.D. ø 32)
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	

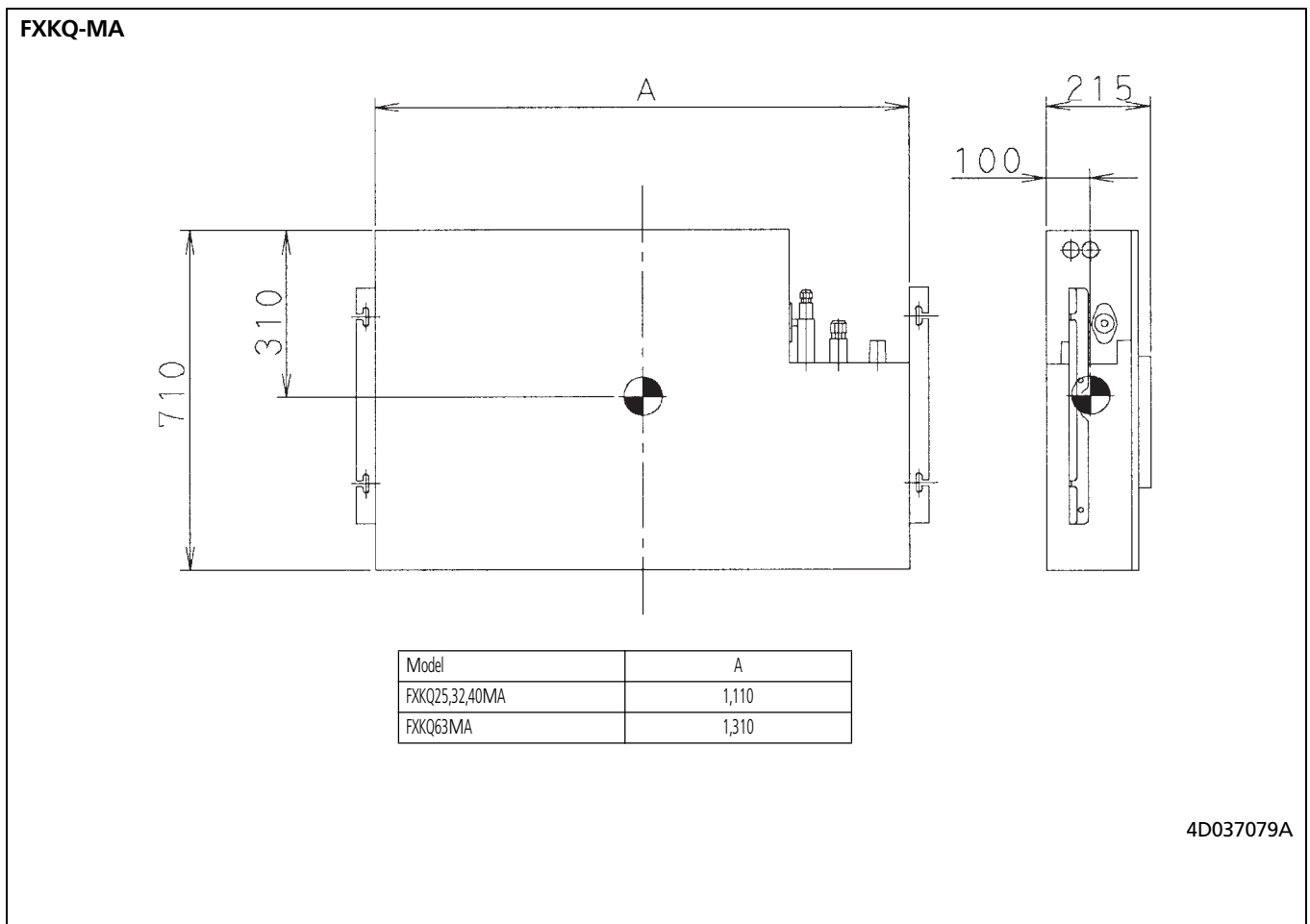
NOTES

- Location of unit's name plate:
 - For main body: Bottom part of fan housing inside of air suction grille.
 - For decoration panel: Service lid face inside of air suction grille.
- When installing an optional accessory, refer to the installation drawings.

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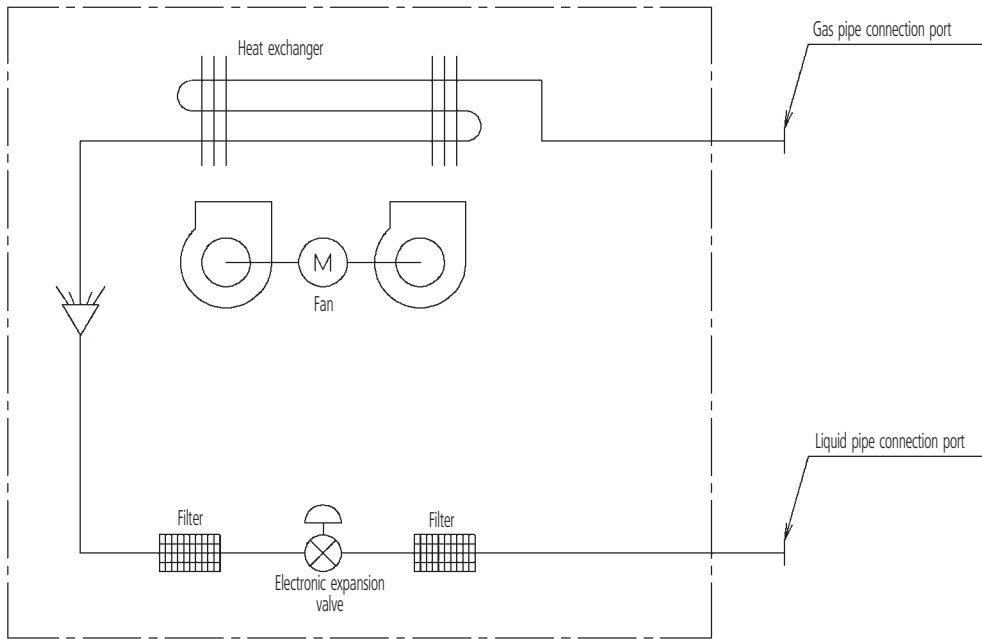
6 Dimensional drawing & centre of gravity

6 - 2 Centre of gravity



7 Piping diagram

FXKQ-MA



Piping connection diameters

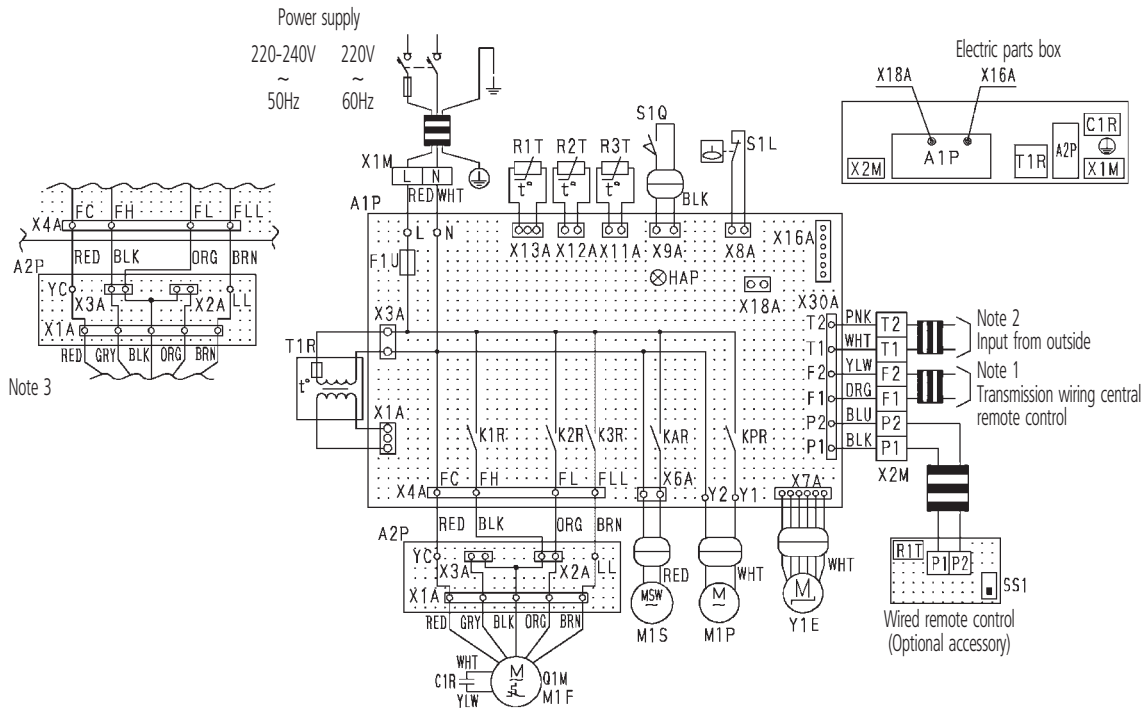
Model	Gas	Liquid
FXKQ25,32,40MA	ø12.7	ø6.4
FXKQ63MA	ø15.9	ø9.5

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8 Wiring diagram

8 - 1 Wiring diagram

FXKQ-MA



Indoor Unit		R1T	Thermistor (Air)
A1P	Printed circuit board	R2T•R3T	Thermistor (Coil)
A2P	Terminal board	S1Q	Limit switch (Swing flap)
C1R	Capacitor (M1F)	T1R	Transformer (220-240V/22V)
F1U	Fuse (5A, 250V)	X1M	Terminal block (Power)
HAP	Light emitting diode (Service monitor-green)	X2M	Terminal block (Control)
K1R-K3R	Magnetic relay (M1F)	Y1E	Electronic expansion valve
KAR	Magnetic relay (M1S)		Wired remote control
KPR	Magnetic relay (M1P)	R1T	Thermistor (Air)
M1F	Motor (Indoor fan)	SS1	Selector Switch (Main/Sub)
M1P	Motor (Drain pump)		Connector for optional parts
M1S	Motor (Swing flap)	X16A	Connector (Adapter for wiring)
Q1M	Thermo switch (M1F embedded)	X18A	Connector (Wiring adapter for electrical appendices)

: Terminal block
 : Connector
 : Terminal
 : Field wiring

COLORS : BLK : Black PNK : Pink
 BLU : Blue RED : Red
 BRN : Brown WHT : White
 GRY : Gray YLW : Yellow
 ORG : Orange

NOTES

- In case using central remote control, connect it to the unit in accordance with the attached instruction manual.
- 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.
- In case high E.S.P. operation, change over the wiring connection from X2A to X3A.
- Use copper conductors only.

3D039564B

9 Sound data

9 - 1 Sound level data

FXKQ-MA

Model	Sound pressure level - 220 V		Sound pressure level - 240 V		Sound power level
	H	L	H	L	
FXKQ25MA	38	33	40	35	*
FXKQ32MA	38	33	40	35	*
FXKQ40MA	40	34	42	36	*
FXKQ63MA	42	37	44	39	*

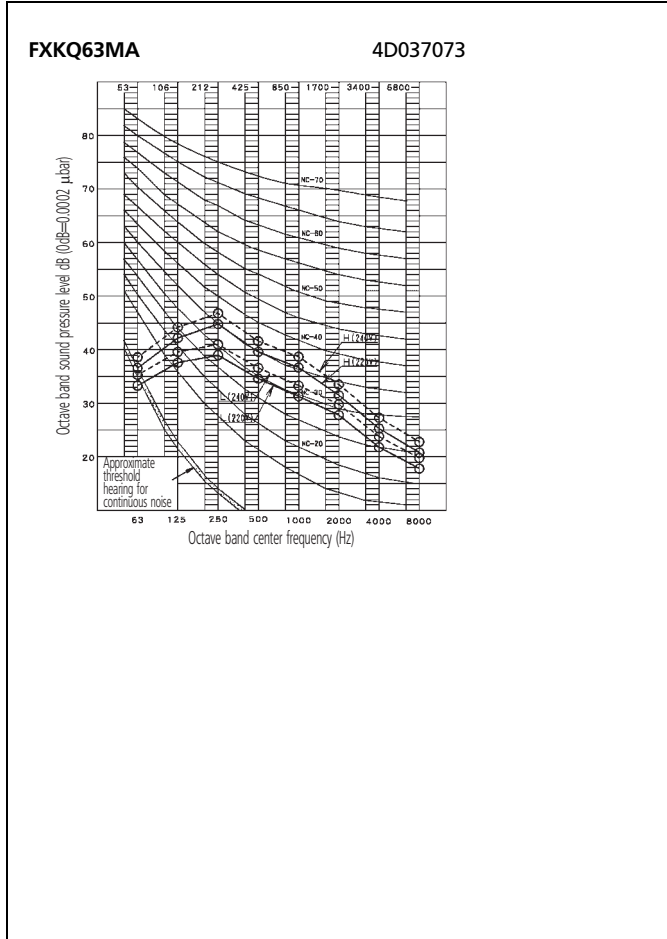
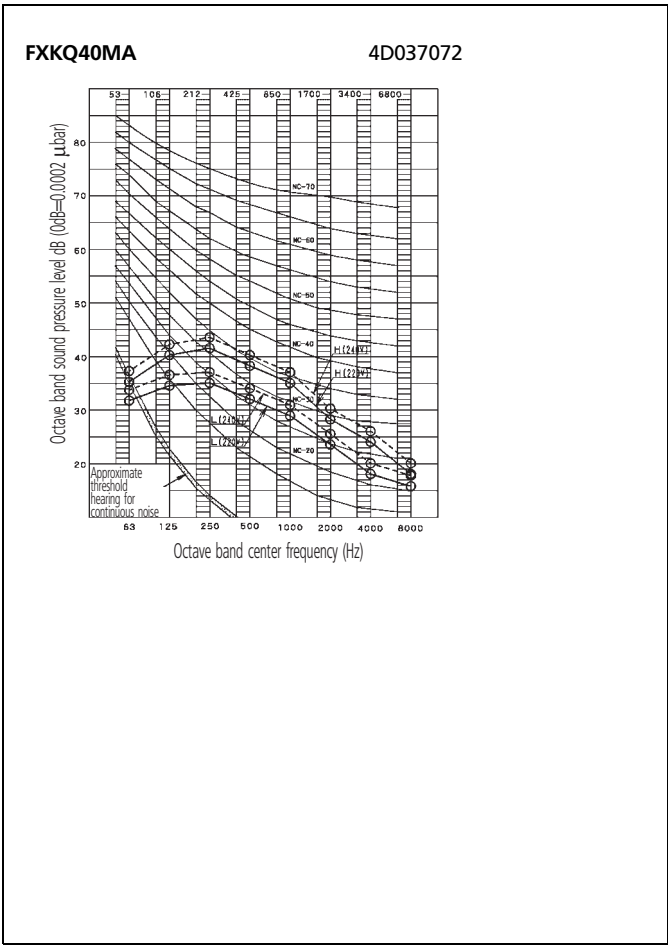
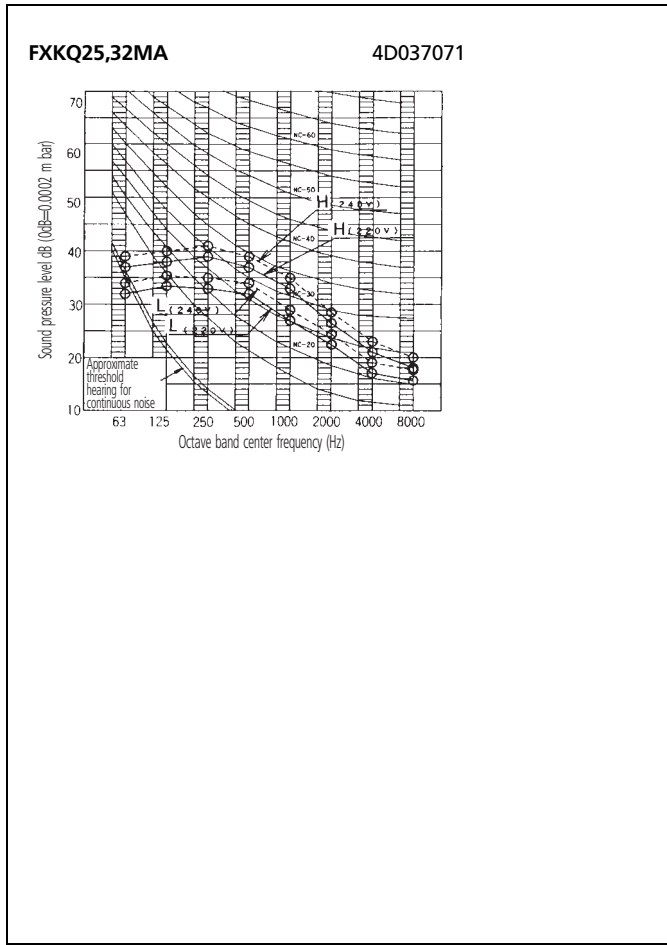
* data were not available at the time of publication

NOTES

- 1 Reference acoustic pressure $0\text{dB}=0.0002\mu\text{bar}$
- 2 Operation noise differs with operation and ambient conditions
- 3 Measuring place: anechoic chamber

9 Sound data

9 - 2 Sound pressure spectrum



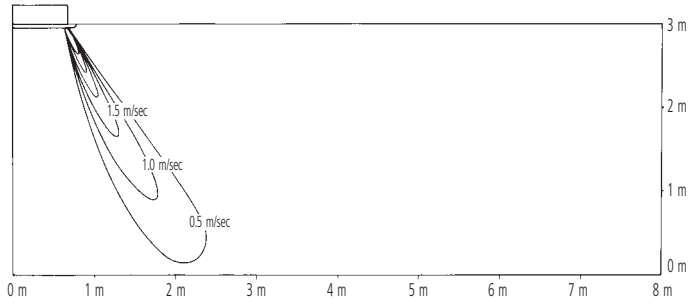
9

10 Air flow pattern

FXKQ63MA

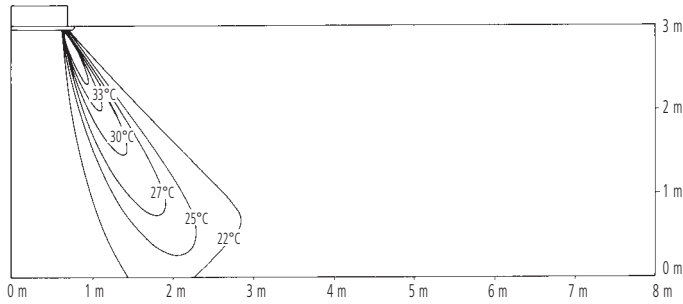
Heating air velocity distribution

Lower air blow



Heating temperature distribution

Lower air blow



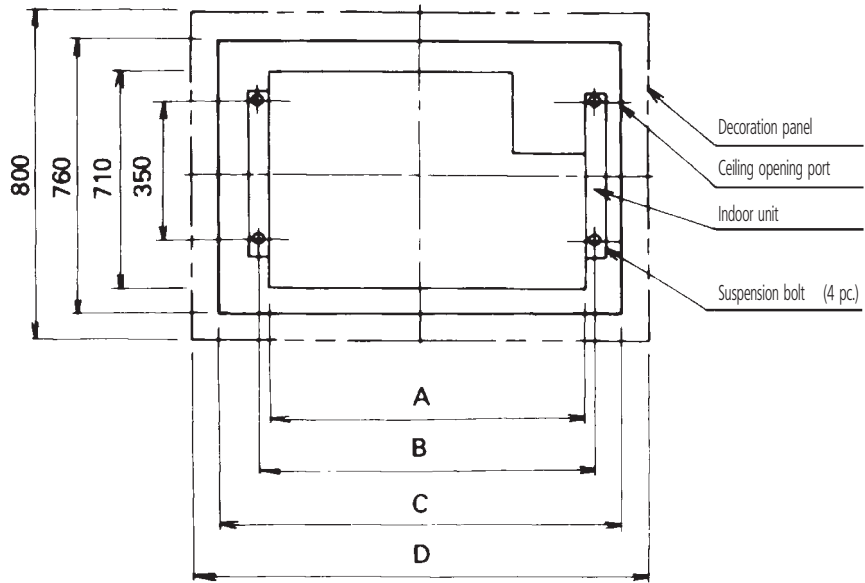
NOTES

- 1 The corner type is applicable on a high ceiling. The standard set-up height is 3 m. Shown here is the measurement distribution at the ceiling height of 3 m.

11 Installation

11 - 1 Suspension bolt pitch position

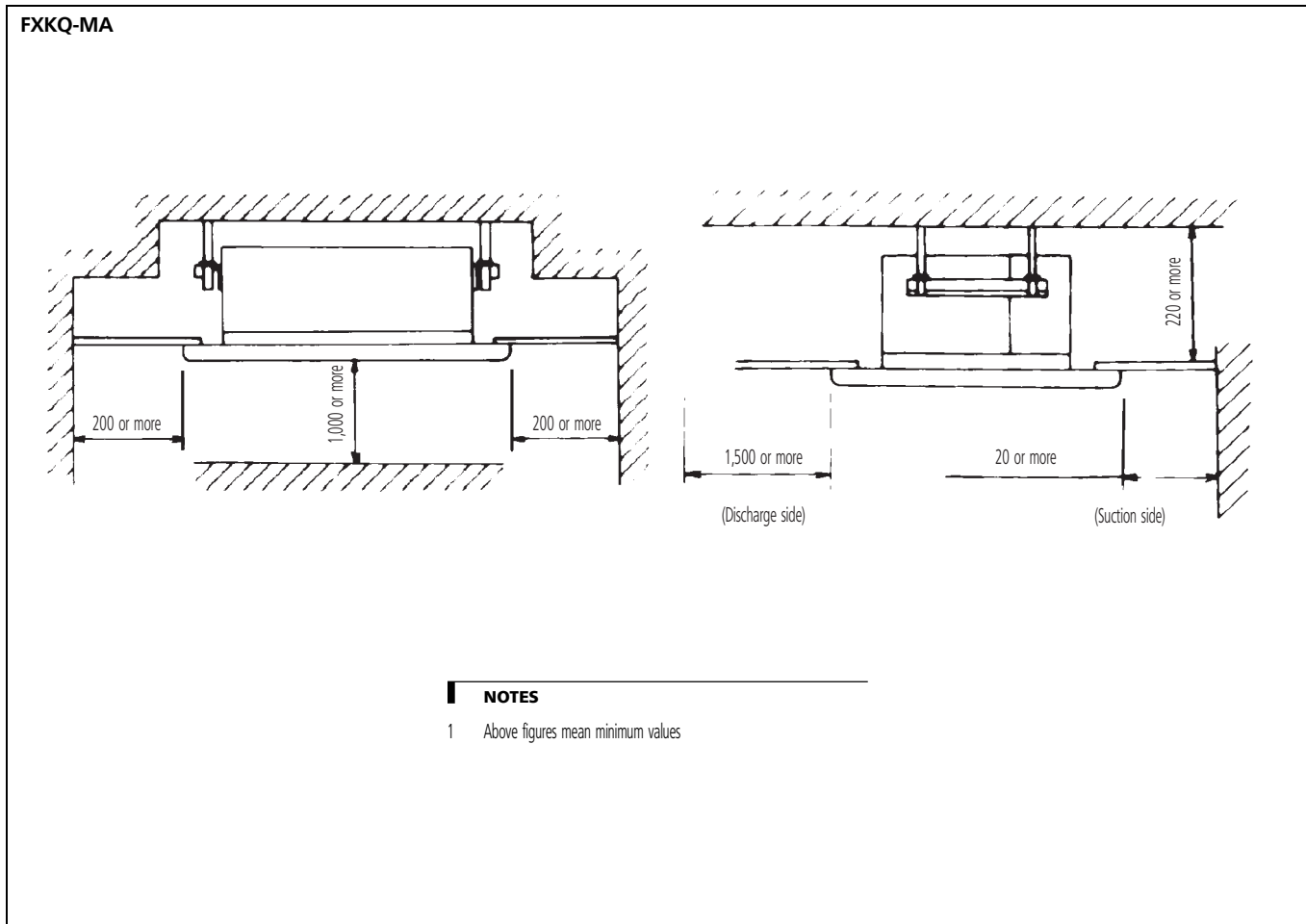
FXKQ-MA



Model	A	B	C	D
FXKQ25,32,40MA	1,110	1,150	1,200	1,240
FXKQ63MA	1,310	1,350	1,400	1,440

11 Installation

11 - 2 Service space



2

VRV III-S
VRV III
VRV VII



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.



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.

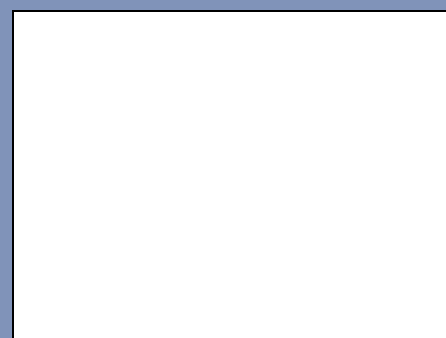


ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



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

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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

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