Ceiling mounted corner cassette Air Conditioning Technical Data

FXKQ-MA

FXKQ25MAVE9
FXKQ32MAVE9
FXKQ40MAVE9
FXKQ63MAVE9

EEDEN23

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FXKQ-MA

1 Features

1 - 1 FXKQ-MA

1-way blow unit for corner installation

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- Compact dimensions, can easily be mounted in a narrow ceiling void (only 220mm ceiling space required, 195 with panel spacer, available as accessory)
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both
- Maintenance operations can be performed by removing the front panel
- Standard drain pump with 330mm lift increases flexibility and installation speed

Home leave operation

Fan only

Draught prevention

Auto cooling-heating changeover

Ceiling soiling prevention

Vertical auto swing

Fan speed steps (2 steps)

Dry programme

Air filter

Weekly timer (optional)

Infrared remote control (optional)

Wired remote control (optional)

Centralised control (optional)

Auto-restart

Self diagnosis

Drain pump kit (standard)

2 Specifications

2 - 1 Specifications

Technical specifications					FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
Cooling capacity	Sensible capacity	At high fan speed		kW	2.4	2.7	3.2	5.1
	Latent capacity	At high fan speed		kW	0.4	0.9	1.3	2.0
	Total capacity	At high fan speed		kW	2.8 (1)	3.6 (1)	4.5 (1)	7.10 (1)
Heating capacity	Total capacity	At high fan speed		kW	3.2 (2)	4.0 (2)	5.0 (2)	8.00 (2)
Power input - 50Hz	Cooling	At high fan speed		kW	0.066		0.076	0.105
	Heating	At high fan speed		kW	0.046		0.056	0.085
Power input - 60Hz	Cooling	At high fan speed		kW	0.069		0.092	0.120
	Heating	At high fan speed		kW	0.049		0.072	0.100
Dimensions	Unit	Height		mm	215			
		Width		mm	1,110			1,310
		Depth		mm	710			
Weight	Unit			kg	31			34
	Packed unit			kg	37.5	38.5	38	43.5
Casing	Material				Galvanised steel plate			
Heat exchanger	Rows	Quantity			2			3
	Fin pitch			mm	1.75			
	Face area			m^2	0.180			0.226
	Stages	Quantity			11			
Fan	Type				Sirocco fan			
	Quantity				1			
	Air flow rate - 50Hz	Cooling	At high fan speed	m^3/min	11		13	18
			At low fan speed	m^3/min	9		10	15
	Air flow rate - 60Hz	Cooling	High	m^3/min	11		13	18
			Low	m^3/min	8.5		10	13
Fan motor	Output	High		W	15		20	45
	Drive				Direct drive			
Sound power level	Cooling	At high fan speed		dBA	54		56	58
		At low fan speed		dBA	49		50	53
Sound pressure level	Cooling	At high fan speed		dBA	38.0		40.0	42.0
		At low fan speed		dBA	33.0		34.0	37.0
Fan motor	Quantity				1			
	Model				3D12H1AN1V1		3D12H1AP1V1	4D12H1AJ1V1
Refrigerant	Type				R-410A			
	GWP				2,087.5			
	Control				Electronic expansion valve			
Piping connections	Liquid	Type			Flare connection			
Piping connections	Liquid	OD		mm	6.35			9.52
	Gas	Type			Flare connection			
		OD		mm	12.7			15.9
	Drain				VP25 (O.D. 32 / I.D. 25)			
	Heat insulation				Foamed Polyethylene			
Decoration panel	Model				BYK45FJW1			BYK71FJW1
	Colour				White			
	Dimensions	Height		mm	70			
		Width		mm	1,240			1,440
		Depth		mm	800			
	Weight			kg	8.5			9.5
Air filter	Type				Resin net with mold resistance			
Safety devices	Item	01			Fuse			
		02			Fan motor thermal fuse			
Control systems	Infrared remote control				BRC4C61			
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Heat exchanger	Type				Cross fin coil			
Temperature control					Microprocessor thermostat for cooling and heating			

Standard accessories: Operation manual;Quantity: ;

Standard accessories: Installation manual;Quantity: ;

Standard accessories: Paper pattern for installation;Quantity: ;

Standard accessories: Clamps;Quantity: ;

Standard accessories: Insulation for hanger bracket;Quantity: ;

Standard accessories: Positioning jig for installation;Quantity: ;

Standard accessories: Drain hose;Quantity: ;

Standard accessories: Clamp metal;Quantity: ;

Standard accessories: Insulation for fitting;Quantity: ;

Standard accessories: Sealing pads;Quantity: ;

Standard accessories: Screws;Quantity: ;

Standard accessories: Washer;Quantity: ;

2 Specifications

2 - 1 Specifications

Standard accessories: Air outlet blocking pad;Quantity: ;

Electrical specifications			FXKQ25MA	FXKQ32MA	FXKQ40MA	FXKQ63MA
Power supply	Name		VE			
	Phase		1~			
	Frequency	Hz	50/60			
	Voltage	V	220-240/220			
Current - 50Hz	Minimum circuit amps (MCA)	A	0.3			0.5
	Maximum fuse amps (MFA)	A	15			
	Full load amps (FLA) Total	A	0.2			0.4
Current - 60Hz	Minimum circuit amps (MCA)	A	0.4		0.5	0.6
	Maximum fuse amps (MFA)	A	15.0			
	Full load amps (FLA) Total	A	0.3		0.4	0.5
Voltage range	Max.	%	10			
	Min.	%	-10			

(1)Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 7.5m (horizontal) |
(2)Heating: indoor temp. 20°CDB; outdoor temp. 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. |
Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal 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 value of MCA |
Use a circuit breaker instead of a fuse. |
Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

FXKQ-MA

Units					Power supply		IFM		Input (W)	
Model	Type	Hz	Volts	Voltage range	MCA	MFA	kW	FLA	Cooling	Heating
FXK25L FXKQ25M(A)	VE	50	220-240	Max. 264 Min. 198	0.3	15	0.015	0.2	66	46
FXK32L FXKQ32M(A)					0.3	15	0.015	0.2	66	46
FXK40L FXKQ40M(A)					0.3	15	0.020	0.2	76	56
FXK63L FXKQ63M(A)					0.5	15	0.045	0.4	105	85
FXK25L FXKQ25M(A)	VE	60	220	Max. 242 Min. 198	0.4	15	0.015	0.3	69	49
FXK32L FXKQ32M(A)					0.4	15	0.015	0.3	69	49
FXK40L FXKQ40M(A)					0.5	15	0.020	0.4	92	72
FXK63L FXKQ63M(A)					0.6	15	0.045	0.5	120	100

SYMBOLS

MCA	: Min. Circuit Amps.	(A)
MFA	: Max. Fuse Amps. (See note 5)	(A)
kW	: Fan Motor Rated Output	(kW)
FLA	: Full Load Amps.	(A)
IFM	: Indoor Fan Motor	

NOTES

1. Voltage range
   Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.
2. Maximum allowable voltage unbalance between phases is 2%.
3. MCA/MFA
   MCA = 1.25 x FLA
   MFA ≤ 4 x FLA
   (Next lower standard fuse rating. Min. 15A)
4. Select wiring size based on the MCA.
5. Instead of fuse, use Circuit Breaker.

Minimum Ssc value	kVA	EN61000-3-2 is applied.

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4 Safety device settings

4 - 1 Safety Device Settings

FXKQ-MA

	Safety devices		20	25	32	40	50	63	80	100	125	140	200	250
FXS~LVE FXSQ~MVE	PC board fuse		250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	-	-	-
	Fan motor thermal protector	°C	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 145$^{\pm5}$ (ON: 94$^{\pm15}$)	OFF: 145$^{\pm5}$ (ON: 94$^{\pm15}$)	OFF: 145$^{\pm5}$ (ON: 94$^{\pm15}$)	-	-	-
	Drain pump thermal fuse	°C	169	169	169	169	169	169	169	169	169			
FXH~LVE FXHQ~MVE FXHQ~MVET	PC board fuse				250V 5A			250V 5A		250V 5A				
	Fan motor thermal protector	°C			OFF: 130$^{\pm5}$ (ON: 80$^{\pm15}$)			OFF: 130$^{\pm5}$ (ON: 80$^{\pm15}$)		OFF: 130$^{\pm5}$ (ON: 80$^{\pm15}$)				
FXC~LVE FXCQ~MVE	PC board fuse		250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A		250V 5A			
	Fan motor thermal protector	°C	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)	OFF: 145$^{\pm5}$ (ON: 94$^{\pm15}$)	OFF: 145$^{\pm5}$ (ON: 94$^{\pm15}$)		OFF: 145$^{\pm5}$ (ON: 94$^{\pm15}$)			
	Drain pump thermal fuse	°C	169	169	169	169	169	169	169		169			
FXK~LVE FXKQ~MVE	PC board fuse			250V 5A	250V 5A	250V 5A		250V 5A						
	Fan motor thermal fuse	°C		146$^{\pm3}$	146$^{\pm3}$									
	Fan motor thermal protector	°C				OFF: 120$^{\pm5}$ ON: 105 or less		OFF: 120$^{\pm5}$ ON: 105 or less						
	Drain pump thermal fuse	°C		145	145	145		145						
FXM~LVE FXMQ~MVE	PC board fuse					250V 10A	250V 10A	250V 10A	250V 10A	250V 10A	250V 10A		250V 10A	250V 10A
	Fan motor thermal protector	°C				OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)		OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)
FXMQ~MFV1	PC board fuse										250V 10A		250V 10A	250V 10A
	Fan motor thermal protector	°C									OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)		OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)
FHQ~PV4A	PC board fuse									250V 5A	250V 5A			
	Fan motor thermal protector	°C								OFF: 130$^{\pm5}$ ON: 80$^{\pm20}$	OFF: 130$^{\pm5}$ ON: 80$^{\pm20}$			
FXMQ~PVE(D)	PC board fuse		250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A		
	PC board fuse (Fan driver)		250V 5A	250V 5A	250V 5A	250V 5A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A		
	Drain pump thermal fuse	°C	145	145	145	145	145	145	145	145	145	145		
FXMQ~PVET	PC board fuse		250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A		
	PC board fuse (Fan driver)		250V 5A	250V 5A	250V 5A	250V 5A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A		
	Drain pump thermal fuse	°C	145	145	145	145	145	145	145	145	145	145		
FXMQ~MVET	PC board fuse												250V 10A	250V 10A
	Drain pump thermal fuse	°C											OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)	OFF: 135$^{\pm8}$ (ON: 87$^{\pm15}$)
FXSQ~PVE(4) FXSQ~PV2S	PC board fuse		250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A	250V 3.15A		
	PC board fuse (Fan driver)		250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A	250V 6.3A		
FXMQ~MBVE	PC board fuse												250V 3.15A	250V 3.15A
	PC board fuse (Fan driver)												250V 20A	250V 20A
FXBQ~PVE(4) FXBPQ63PVE(4)	PC board fuse					250V 10A	250V 10A	250V 10A						
	Fan motor thermal protector	°C				OFF: 125$^{\pm5}$ (ON: 79$^{\pm15}$)	OFF: 125$^{\pm5}$ (ON: 79$^{\pm15}$)	OFF: 135$^{\pm5}$ (ON: 86$^{\pm15}$)						
FXPQ~AVN	PC board fuse			250V 5A										
	Fan motor thermal protector	°C		OFF: 145$^{\pm5}$ (ON: 94$^{\pm15}$)										
FXPQ~AAVN	PC board fuse			250V 3.15A										

Applicable model	FXS20-125LVE FXH32-100LVE FXHQ32-100MVE FXCQ20-125MVE FXKQ25-63MVE FXMQ40-250MVE FXMQ125-250MFV1 FHQ100~125PV4 FXC20-125LVE FXK25-63LVE FXM40-250LVE FXSQ20-125MVE FXMQ20-140PVE(D) FXSQ20-140PV2S FXMQ20-140PVET FXBQ40-63PVE(4) FXHQ32-100MVET FXBPQ63PVE(4) FXMQ200~250MVET FXSQ20-140PVE(4) FXMQ200~250MBVE FXPQ25AVN FXPQ25AAVN

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5 Options

5 - 1 Options

FXKQ-MA

No.	Item			Type	FXC~L FXCQ~MVE FXCQ~MVET	FXK~L FXKQ~MAVE	FXS~L FXSQ~MVE	FXM~L FXMQ~MAVE FXMQ~MVET	FXH~L FXHQ~MAVE FXHQ~MVET	FXMQ~MFV1	FXMQ~MBVE	FXBQ~PVE FXBPQ~PVE
1	Remote controller	Wireless	H/P		BRC7C62	BRC4C61	BRC4C62		BRC7EA63W	-	BRC4C65	BRC4C62
			C/O		BRC7C67	BRC4C63	BRC4C64		BRC7EA66	-	BRC4C66	BRC4C64
		Wired			BRC1C62 • BRC1D61 • BRC1E61						BRC1E52	BRC1C62
2	Simplified remote controller				-		BRC2C51		-	-	BRC2E52C	BRC2C51
3	Remote controller for hotel use				-		BRC3A61		-	-	BRC3E52C	BRC3A61
4	Adaptor for wiring				★KRP1B61	KRP1B61			KRP1BA54	KRP1B61	KRP1C64	KRP1B61
5-1	Wiring adaptor for electrical appendices(1)				★KRP2A61	KRP2A61			★KRP2A62	KRP2A61		
5-1	Wiring adaptor for electrical appendices(2)				★KRP4AA51	KRP4AA51			★KRP4AA52	KRP4AA51		
6	Remote sensor				KRCS01-1B					-	KRCS01-4B	KRCS01-1B
7	Installation box for adaptor PCB.				Note 2, 3 KRP1B96	-	Note 5 KRP4A91	-	Note 3 KRP1CA93	-	-	-
8	Central remote controller				DCS302CA61							
8-1	Electrical box with earth terminal(3 blocks)				KJB311AA							
9	Unified on/off controller				DCS301BA61							
9-1	Electrical box with earth terminal(2 blocks)				KJB212AA							
9-2	Noise filter (for electromagnetic interface use only)				KEK26-1A							
10	Schedule timer				DST301BA61							
11	Intelligent touch controller				DCS601C51							
12	Intelligent touch manager				DCM601A51							
13	External control adaptor for outdoor unit (Must be installed on indoor units)				★DTA104A61	DTA104A61			★DTA104A62	DTA104A61		
14	Simplified remote controller (with operation mode selector button)			Note 7)	-	BRC2E52C7	-	-	-	-	-	-
15	Simplified remote controller (without operation mode selector button)			Note 7)	-	BRC3E52C7	-	-	-	-	-	-
16	Digital input adaptor			Note 8)	-	BRP7A51	-	-	-	-	-	-

NOTES

1. Installation box (No. 7) is necessary for each adaptor marked ★.
2. Up to 2 adaptors can be fixed for each installation box.
3. Only one installation box can be installed for each indoor unit.
4. Up to 2 installation boxes can be installed for each indoor unit.
5. Installation box (No. 7) is necessary for second adaptor.
6. Installation box (No. 7) is necessary for each adaptor.
7. Included languages are:
   - Language pack 1: english, german, french, dutch, spanish, italian and portuguese.

   With PC cable EKPCCAB3 in combination with the updater PC software, you can additionally change the language to:
   - Language pack 2: english ,bulgarian, croatian, czech, hungarian, romanian and slovenian.
   - Language pack 3: english, greek, polish, russian, serbian, slovak and turkish.

   Only possible in combination with simplified remote contoller BRC2/3E52C7.

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FXKQ-MA

ITEM		MODEL /	FXK25LVE FXKQ25MVE	FXK32LVE FXKQ32MVE	FXK40LVE FXKQ40MVE	FXK63LVE FXKQ63MVE
PANEL RELATED	DECORATION PANEL	TYPE	BYK45FJW1			BYK71FJW1
		Z No.	Z95A099			
		AS No.	——			
	LONG LIFE REPLACEMENT FILTER	TYPE	KAFJ521F56			KAFJ521F80
		Z No.	——			
		AS No.	AS36A0054			
AIR INLET AND AIR DISCHARGE OUTLET LELATED	AIR DISCHARGE GRILL	TYPE	K-HV7AW			K-HV9AW
		Z No.	——			
		AS No.	——			
	AIR DISCHARGE BLIND PANEL	TYPE	KDBJ52F56W			KDBJ52F80W
		Z No.	——			
		AS No.	AS36A0087			
	PANEL SPACER	TYPE	KPBJ52F56W			KPBJ52F80W
		Z No.	——			
		AS No.	AS36A0088			
	FLEXIBLE DUCT (WITH SHUTTER)	TYPE	KFDJ52F56			KFDJ52F80
		Z No.	——			
		AS No.	AS36A0053			

NOTE)SEE THE LATEST FOR THE MODIFICATION MARKS.

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6 Capacity tables

6 - 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	
			20.0WB		23.0WB		26.0WB		27.0WB		28.0WB		30.0WB		32.0WB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
25	2.8	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
32	3.6	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
40	4.5	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
63	7.1	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

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6 Capacity tables

6 - 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	7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
32	4.0	7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
40	5.0	7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
63	8.0	7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0

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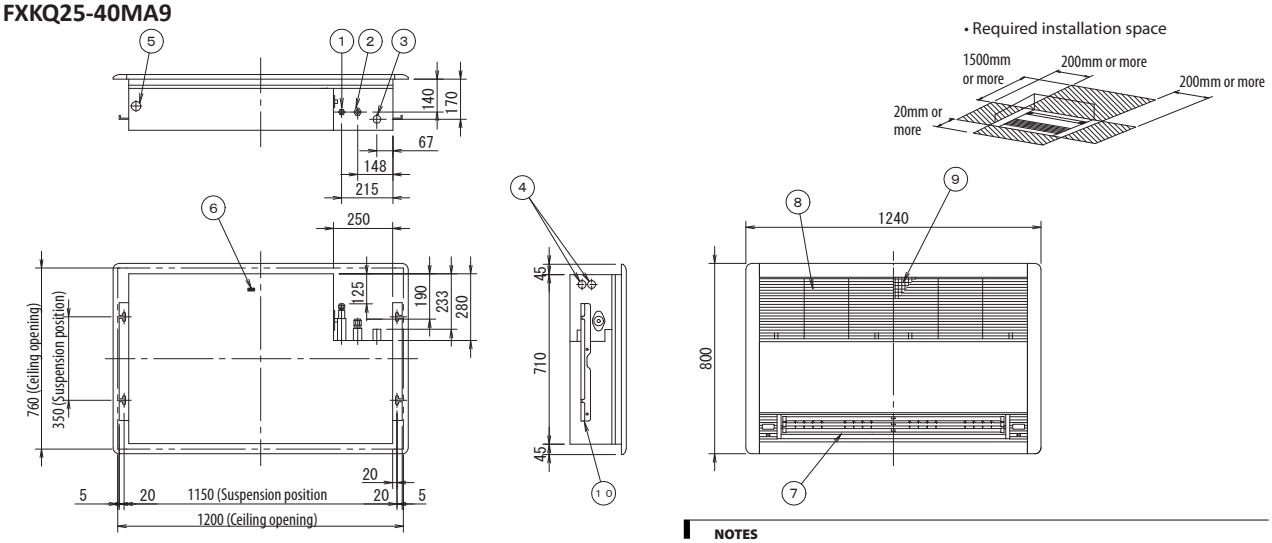
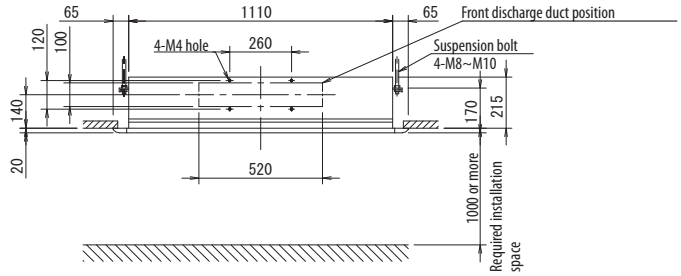
7 Dimensional drawings

7 - 1 Dimensional Drawings

FXKQ25-40MA9





NOTES

1. 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.
2. When installing an optional accessory, refer to the installation drawings.

Number	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. 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	

VRV Air Conditioner indoor unit
Ceiling-mounted cassette type <corner model>

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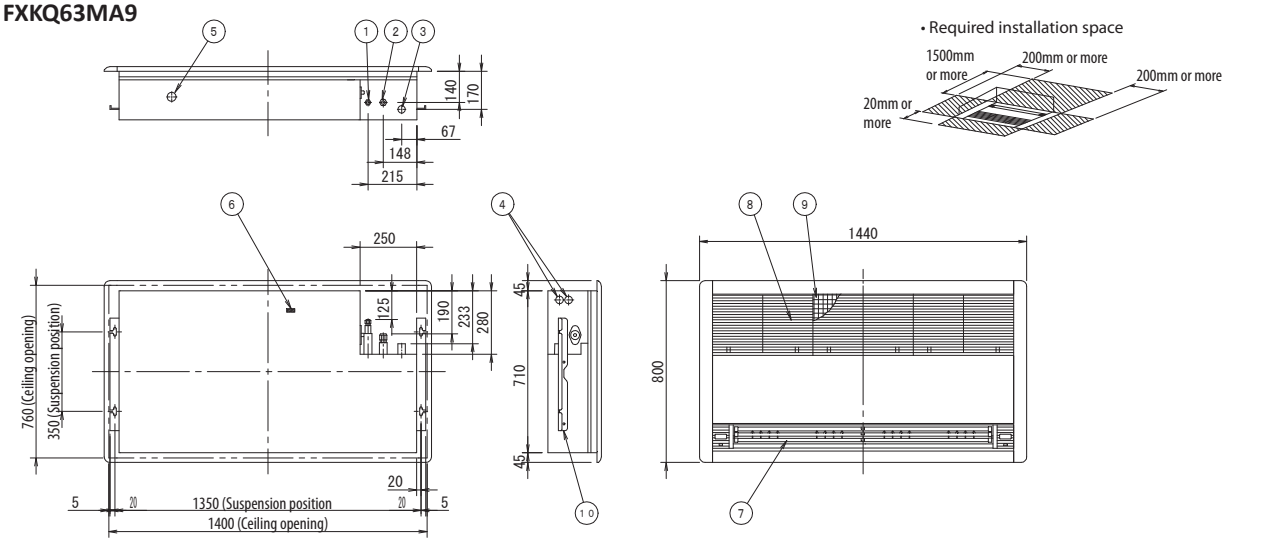
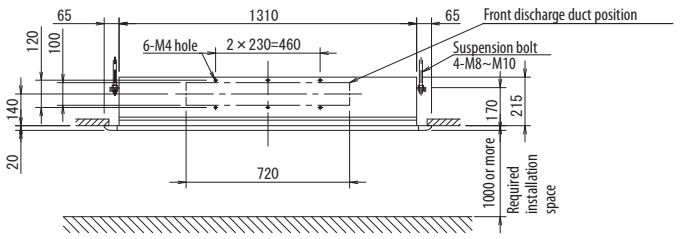
FXKQ63MA9





NOTES

1. 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.
2. When installing an optional accessory, refer to the installation drawings.

Number	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. 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	

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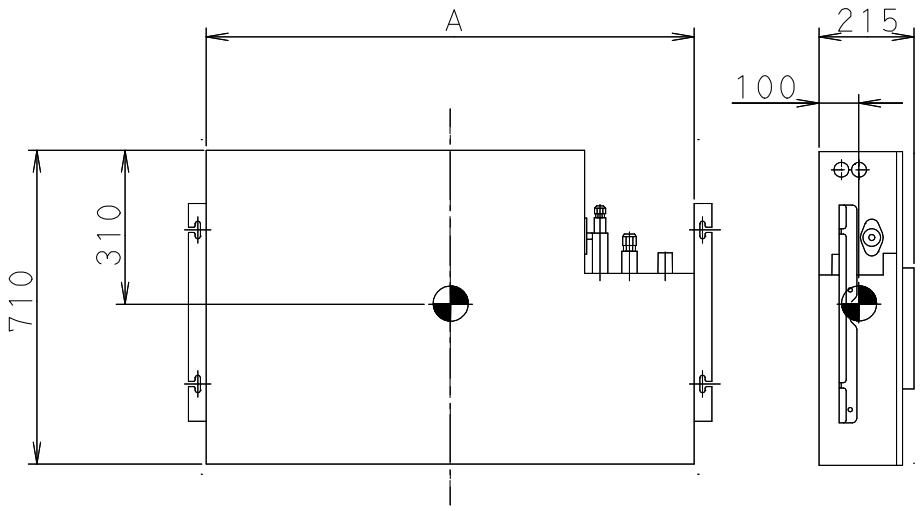
8 Centre of gravity

8 - 1 Centre of Gravity

FXKQ-MA



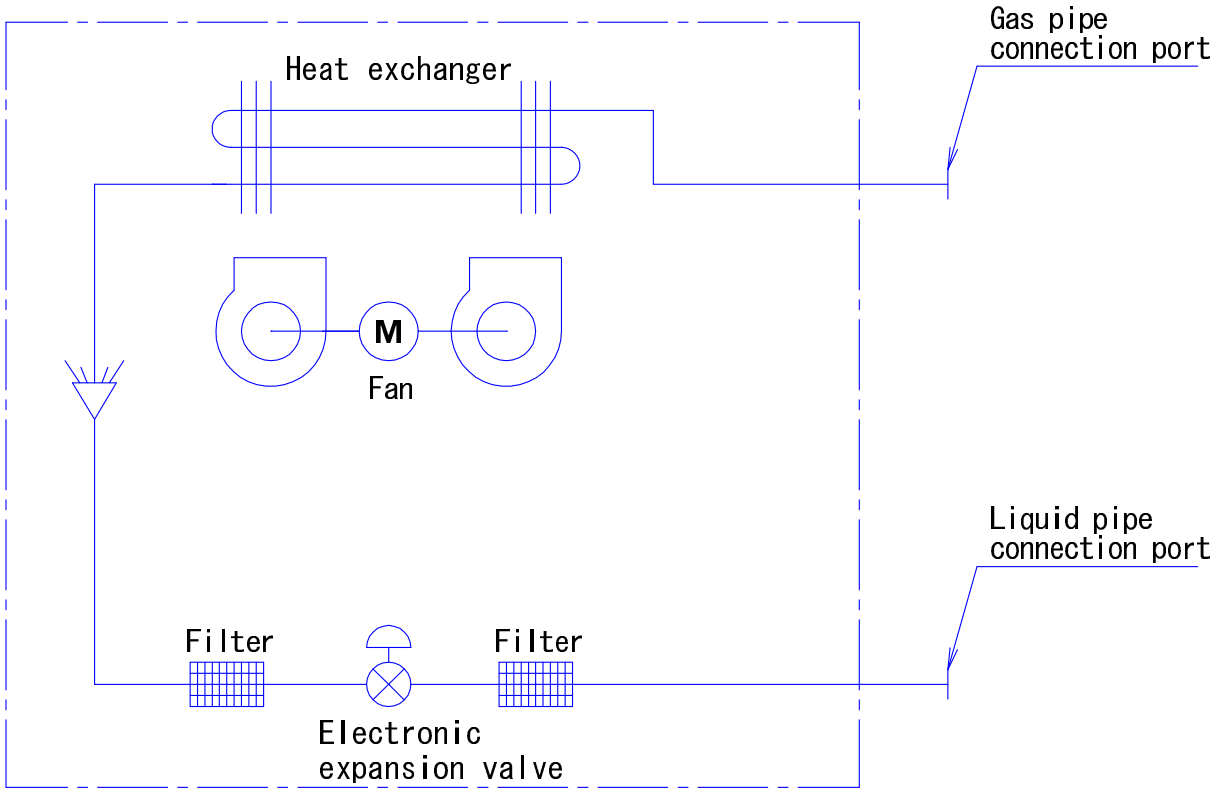
MODEL	A
FXK25・32・40LVE FXKQ25・32・40MVE	1110
FXK63LVE FXKQ63MVE	1310

4D037079B

9 Piping diagrams

9 - 1 Piping Diagrams

FXHQ-A
FXKQ-MA



APPLICABLE MODEL

ＦＸＣ，ＦＸＭ，ＦＸＬ，ＦＸＮ
ＦＸＨ，ＦＸＫ，ＦＸＳ，ＦＪＳＰ
ＣＢＸＬＳ，ＦＸＳＰ，ＦＸＣＰ
ＦＺＳＰ，ＦＸＮＰ，ＦＪＮＰ
ＦＨＱ，ＦＸＡ，ＦＸＭＱ，ＦＢＱ
ＦＸＡＱ，ＦＸＳＰ～ＢＡ，ＦＡＱ，ＦＣＱ
ＦＺＳＰ～ＢＡ（Ｎ），ＦＳＳＰ～ＢＡ，
ＦＱＳＰ～ＢＡＮ，ＦＸＵＱ，ＦＺＣＰ，ＦＺＡＰ
ＦＸＳＱ～ＰＶ２Ｓ，ＦＸＳＱ～Ｔ，ＦＸＳＰ～ＣＡ（Ｎ）
ＦＺＳＰ～ＣＡ（Ｎ），ＦＱＳＰ～ＣＡＮ
ＦＳＳＰ～ＣＡ，ＦＸＳＦＰ～ＡＡ，ＦＳＳＦＰ～ＡＡ
ＦＸＨＱ

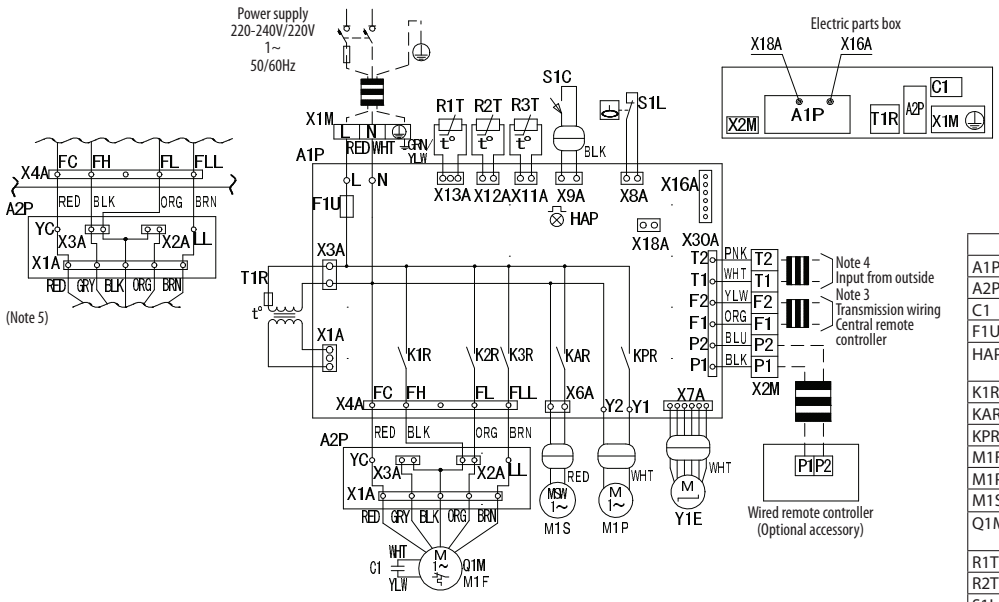
4D034245S

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

FXKQ-MA

Wiring diagram



Indoor unit	
A1P	Printed circuit board
A2P	Terminal board
C1	Capacitor (M1F)
F1U	Fuse (Ⓑ, 5A, 250V)
HAP	Flashing lamp (service monitor green)
K1R-K3R	Magnetic relay (M1F)
KAR	Magnetic relay (M1S)
KPR	Magnetic relay (M1P)
M1F	Motor (indoor fan)
M1P	Motor (drain pump)
M1S	Motor (swing blade)
Q1M	Self-operating thermal protector (M1F embedded)
R1T	Thermistor (air)
R2T·R3T	Thermistor (coil)
S1L	Float switch
S1C	Limit switch (swing flap)
T1R	Transformer (220-240V/220V)
X1M	Terminal block (power)
X2M	Terminal block (control)
Y1E	Electronic expansion valve
Connector for optional parts	
X16A	Connector (adaptor for wiring)
X18A	Connector (wiring adaptor for electrical appendices)

NOTES

1. ☐☐☐☐: terminal block, ⊙⊙, ⊃: connector, -○-: terminal
2. ⋮▮▮⋮: field wiring
3. In case using central remote controller, connect it to the unit in accordance with the attached instruction manual.
4. When connecting the input wires from outside, forced off or on/off control operation can be selected by the remote controller. In details, refer to the installation manual attached in the unit.
5. In case high E.S.P. operation, change over the wiring connection from X2A tot X3A.
6. Symbols show as follows:
   PNK: pink, WHT: white, YLW: yellow, ORG: orange, BLU: blue, GRN: green, BLK: black, RED: red, BRN: brown.
7. Use copper conductors only.

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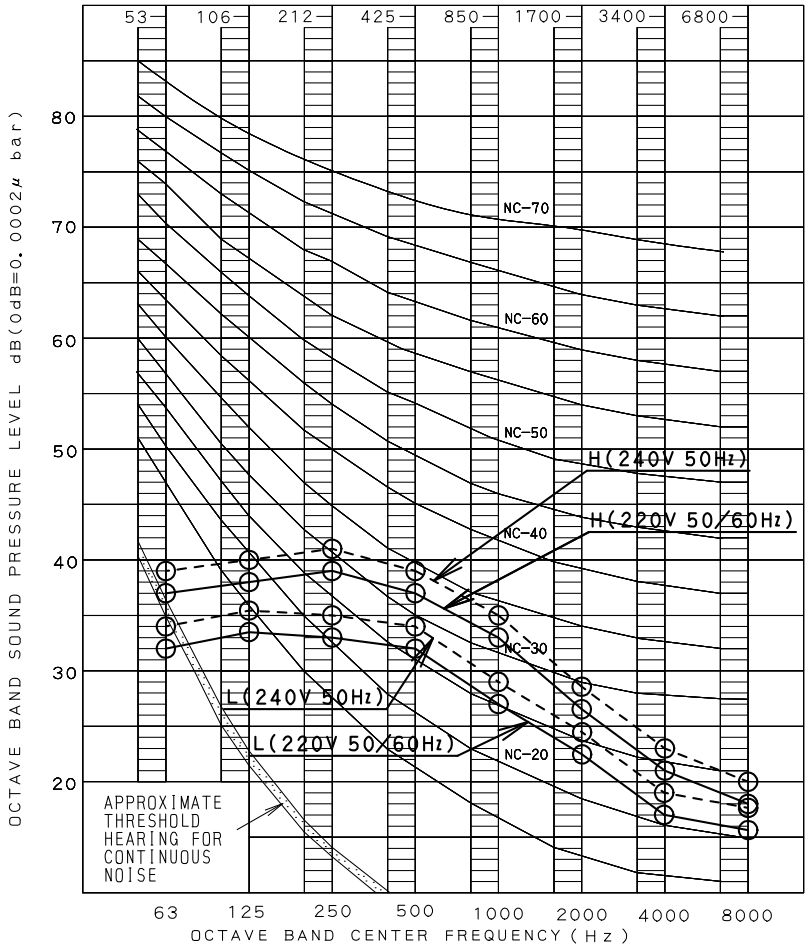
11 Sound data

11 - 1 Sound Pressure Spectrum

11

FXKQ25-32MA



OVER ALL (dB)

SCALE	220V		240V	
	H	L	H	L
A	38	33	40	35
C	44	39	46	41

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220・240V/220V 50/60Hz

STANDARD CONDITIONS(JIS)

○——○ 220V

○- - - - -○ 240V

MEASURING PLACE

ANECHOIC CHAMBER

LOCATION OF MICROPHONE

JIS B8616

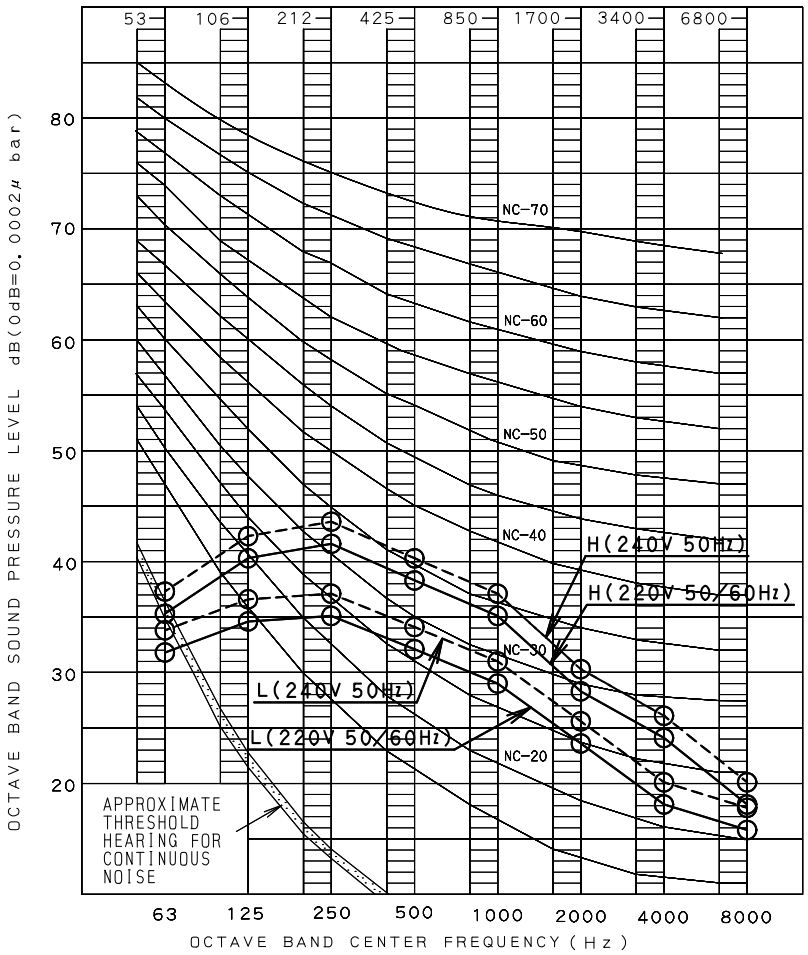
NOTE: Operation noise differs withoperation and ambient conditions.

4D037071A

11 Sound data

11 - 1 Sound Pressure Spectrum

FXKQ40MA



OVER ALL (dB)

SCALE	220V		240V	
	H	L	H	L
A	40	34	42	36
C	46	40	48	42

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220 • 240V/220V 50/60Hz

STANDARD CONDITIONS(JIS)

○——○ 220V

○- - - -○ 240V

MEASURING PLACE

ANECHOIC CHAMBER

LOCATION OF MICROPHONE

JIS B8616

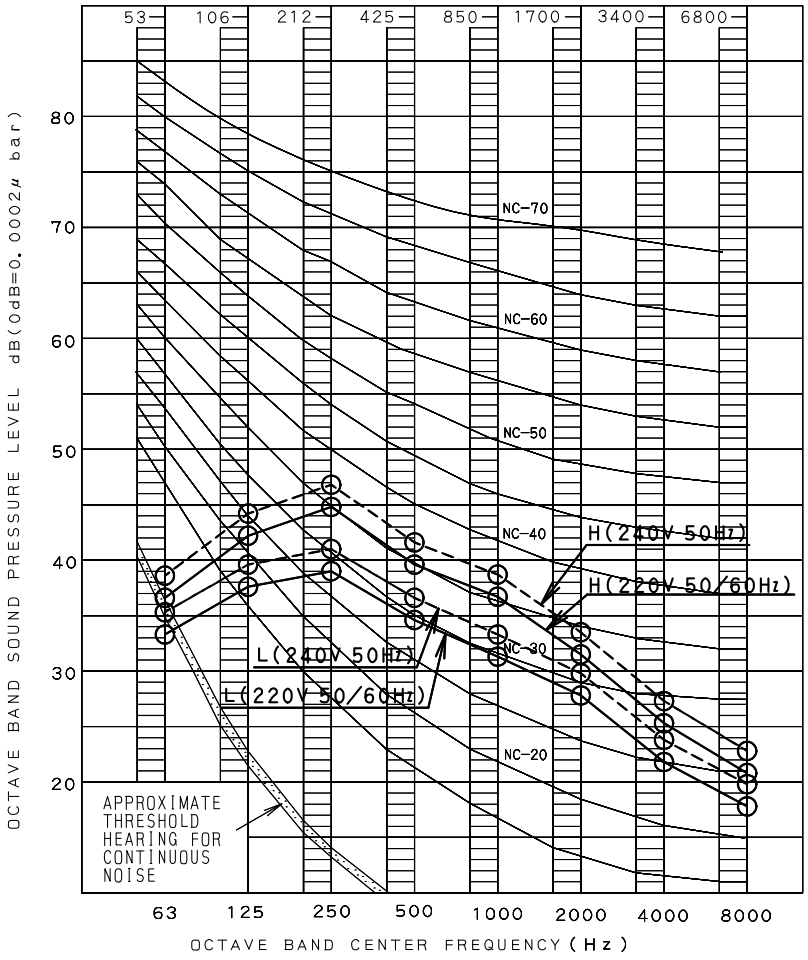
NOTE: Operation noise differs withoperation and ambient conditions.

4D037072A

11 Sound data

11 - 1 Sound Pressure Spectrum

FXKQ63MA



OVER ALL (dB)

SCALE	220V		240V	
	H	L	H	L
A	42	37	44	39
C	48	43	50	45

(B.G.N IS ALREADY RECTIFIED)

OPERATING CONDITIONS

POWER SOURCE 220・240V/220V 50/60Hz

STANDARD CONDITIONS(JIS)

220V

240V

MEASURING PLACE

ANECHOIC CHAMBER

LOCATION OF MICROPHONE

JIS B8616

NOTE: Operation noise differs withoperation and ambient conditions.

4D037073A

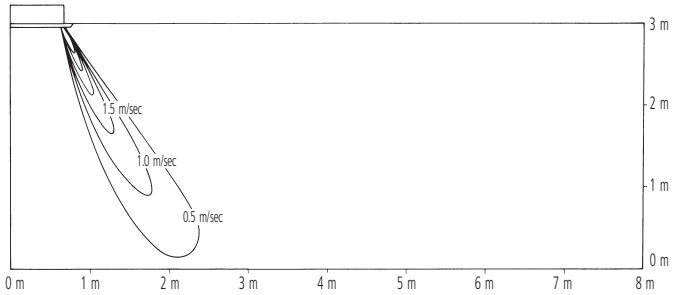
12 Air flow patterns

12 - 1 Air Flow Pattern - Heating

FXKQ63MA

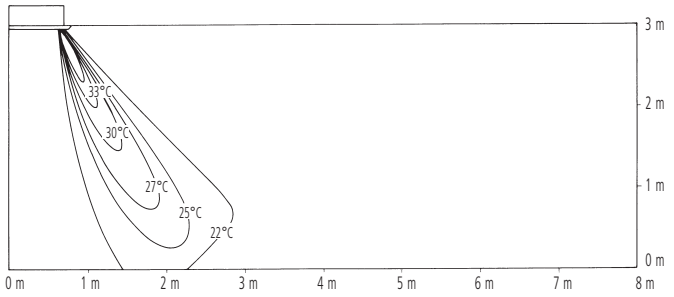
Heating air velocity distribution

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.

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