DAIKIN

technical data

air conditioning systems

2-Way Blow Ceiling Mounted Cassette

FXCQ-MVE9

R-410A

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2-Way Blow Ceiling Mounted Cassette

FXCQ-MVE9

R-410A

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FXCQ-MVE9

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXCQ20MVE9	FXCQ25MVE9	FXCQ32MVE9	FXCQ40MVE9	FXCQ50MVE9	FXCQ63MVE9	FXCQ80MVE9	FXCQ125MVE9
Capacity	Cooling		kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
	Heating		kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power Input (50Hz)	Cooling		kW	0.077	0.092	0.092	0.130	0.130	0.161	0.209	0.256
	Heating		kW	0.044	0.059	0.059	0.097	0.097	0.126	0.176	0.223
Power Input (60Hz)	Cooling		kW	0.081	0.095	0.095	0.132	0.132	0.157	0.216	0.278
	Heating		kW	0.048	0.062	0.062	0.099	0.099	0.124	0.183	0.245
Casing	Material			Galvanised steel plate							
Dimensions	Unit	Height	mm	305	305	305	305	305	305	305	305
		Width	mm	775	775	775	900	900	1,175	1,665	1,665
		Depth	mm	600	600	600	600	600	600	600	600
Weight	Unit		kg	26	26	26	31	32	35	47	48
Heat Exchanger	Dimensions	Nr of Rows		2	2	2	2	2	2	2	2
		Fin Pitch	mm	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
		Face Area	m²	2x0.100	2x0.100	2x0.100	2x0.145	2x0.145	2x0.184	2x0.287	2x0.287
		Nr of Stages		10	10	10	10	10	10	10	10
	Fin	Fin type		Cross fin coil							
Fan	Type			Sirocco fan							
Cooling	High	m³/min		7	9	9	12	12	16.5	26	33
	Low	m³/min		5	6.5	6.5	9	9	13	21	25
Fan	Motor	Model		D17K2AA1	D17K2AB1	D17K2AB1	2D17K1AA1	2D17K1AA1	2D17K2AA1VE	3D17K2AA1	3D17K2AB1
		Output (high)	W	10	15	15	20	20	30	50	85
		Drive		Direct drive							
Refrigerant	Name			R-410A							
Piping connections	Liquid (OD)	Type		Flare connection							
		Diameter	mm	6.35	6.35	6.35	6.35	6.35	9.52	9.52	9.52
	Gas	Type		Flare connection							
		Diameter	mm	12.7	12.7	12.7	12.7	12.7	15.9	15.9	15.9
	Drain	Diameter	mm	VP25 (I.D. 25/O.D. 32)							
	Sound absorbing insulation			Glass Wool/ Urethane Foam							
Decoration Panel	Model			BYBC32GJW1, BYBC32G-W1	BYBC32GJW1, BYBC32G-W1	BYBC32GJW1, BYBC32G-W1	BYBC50GJW1, BYBC50G-W1	BYBC50GJW1, BYBC50G-W1	BYBC63GJW1, BYBC63G-W1	BYBC125GJW1, BYBC125G-W1	BYBC125GJW1, BYBC125G-W1
	Colour			White (10Y9/0,5)							
	Dimensions	Height	mm	53	53	53	53	53	53	53	53
		Width	mm	1,030	1,030	1,030	1,245	1,245	1,430	1,920	1,920
		Depth	mm	680	680	680	680	680	680	680	680
	Weight		kg	8	8	8	8.5	8.5	9.5	12	12
Air Filter				Resin net with mold resistance							
Refrigerant control				Electronic expansion valve							
Temperature control				Microprocessor thermostat for cooling and heating							
Safety devices				Fuse							
				Fan motor thermal protector							
Standard Accessories				Operation manual							
				Installation manual							
				Paper pattern for installation							
				Washer for hanging bracket							
				Clamp metal							
				Drain hose							
				Insulation for fitting							
				Washer fixing plate							
				Sealing pads							
				Clamps							
				Screws							
				Washer							

1 Specifications

1-1 TECHNICAL SPECIFICATIONS	FXCQ20MVE9	FXCQ25MVE9	FXCQ32MVE9	FXCQ40MVE9	FXCQ50MVE9	FXCQ63MVE9	FXCQ80MVE9	FXCQ125MVE9
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 (50HZ)			FXCQ20MVE9	FXCQ25MVE9	FXCQ32MVE9	FXCQ40MVE9	FXCQ50MVE9	FXCQ63MVE9	FXCQ80MVE9	FXCQ125MVE9
Power Supply	Name		VE							
	Phase		1~							
	Frequency	Hz	50							
	Voltage	V	220-240							
Current	Minimum circuit amps (MCA)	A	0.5	0.5	0.5	0.8	0.8	0.9	1.1	1.3
	Maximum fuse amps (MFA)	A	15	15	15	15	15	15	15	15
	Full load amps (FLA)	A	0.4	0.4	0.4	0.6	0.6	0.7	0.9	1.0
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									

1-3 ELECTRICAL SPECIFICATIONS (60HZ)			FXCQ20MVE9	FXCQ25MVE9	FXCQ32MVE9	FXCQ40MVE9	FXCQ50MVE9	FXCQ63MVE9	FXCQ80MVE9	FXCQ125MVE9
Power Supply	Name		VE							
	Phase		1~							
	Frequency	Hz	60							
	Voltage	V	220							
Current	Minimum circuit amps (MCA)	A	0.5	0.5	0.5	0.8	0.8	0.9	1.3	1.5
	Maximum fuse amps (MFA)	A	15	15	15	15	15	15	15	15
	Full load amps (FLA)	A	0.4	0.4	0.4	0.6	0.6	0.7	1.0	1.2
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

FXCQ-MVE

	Safety devices		FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ100MVE	FXCQ25MVE
FXCQ~MVE	PC boad fuse		250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	250V 5A	————	250V 5A
	Fan motor thermal fuse	°C	$152^{\pm 2}$	$152^{\pm 2}$	$152^{\pm 2}$	$152^{\pm 2}$	$152^{\pm 2}$	————	————	————	————
	Fan motor thermal protector	°C	Off: $130^{\pm 5}$ (On: $90^{\pm 15}$)	Off: $130^{\pm 5}$ (On: $90^{\pm 15}$)	Off: $130^{\pm 5}$ (On: $90^{\pm 15}$)	————	————	Off: $135^{\pm 8}$ (On: $87^{\pm 15}$)	Off: $135^{\pm 8}$ (On: $87^{\pm 15}$)	————	Off: $135^{\pm 8}$ (On: $87^{\pm 15}$)
	Drain pump thermal fuse	°C	169	169	169	169	169	169	169	————	169

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3 Options

FXCQ-MVE

No	Item		Type	FXCQ~MVE
1	Remote control	Wireless	H/P	BRC7C62
			C/O	BRC7C67
		Wired		BRC1A61
2	Simplified remote control			-
3	Remote control for hotel use			-
4	Adaptor for wiring			*KRP1B61
5-1	Wiring adaptor for electrical appendices (1)			*KRP2A61
5-1	Wiring adaptor for electrical appendices (2)			*KRP4A51
6	Remote sensor			_
7	Installation box for adaptor PCB.			note 2, 3 KRP1B96
8	Central remote control			DCS302C61
8-1	Electrical box with earth terminal (3 blocks)			KJB311A
9	Unified on/off control			DCS301B61
9-1	Electrical box with earth terminal (2 blocks)			KJB212A
9-2	Noise filter (for electromagnetic interface use only)			KEK26-1
10	Schedule timer			DST301B61
11	External control adaptor for outdoor unit (Must be installed on indoor units)			*DTA104A61

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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.

FXCQ-MVE

Item			Model	FXCQ20MVE	FXCQ25MVE	FXCQ32MVE	FXCQ40MVE	FXCQ50MVE	FXCQ63MVE	FXCQ80MVE	FXCQ125MVE
Decoration panel			Type	BYBC32GJW1			BYBC50GJW1		BYBC63GJW1	BYBC125GJW1	
			Z No.	Z970535							
			Type	BYBC32G-W1			BYBC50G-W1		BYBC63G-W1	BYBC125G-W1	
			Z No.	Z96A045							
Filter related	★1 High efficiency filter 65%		Type	KAFJ532G36			KAFJ533G56		KAFJ532G80	KAFJ532G160	
			Z No.	————							
			AS No.	AS36A0170							
	★1 High efficiency filter 90%		Type	KAFJ533G36			KAFJ533G56		KAFJ533G80	KAFJ533G160	
			Z No.	————							
			AS No.	AS36A0170							
	Filter chamber	Bottom suction	Type	KDDFJ53G36			KDDFJ53G56		KDDFJ53G80	KDDFJ53G160	
			Z No.	————							
			AS No.	AS36A0160							
	Long life replacement filter		Type	KAFJ531G36			KAFJ531G56		KAFJ531G80	KAFJ53G160	
			Z No.	————							
			AS No.	AS36A0180							

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NOTES

1 ★ Filter chamber is required if installing high efficiency filter.
2 ★ See the latest for the modification marks.

4 Capacity tables

4 - 1 Cooling capacity tables

FXCQ-M

TC: Total Capacity;kW - SHC: Sensible capacity; kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0°CWB 20.0°CDB		16.0°CWB 23.0°CDB		18.0°CWB 26.0°CDB		19.0°CWB 27.0°CDB		20.0°CWB 28.0°CDB		22.0°CWB 30.0°CDB		24.0°CWB 32.0°CDB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
20	2.2	10.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.8	1.7
		12.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.7	1.6
		14.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.7	1.6
		16.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.7	1.6
		18.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.7	2.6	1.6
		20.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.7	2.6	1.6
		21.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.7	2.6	1.6
		23.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.7	2.5	1.6
		25.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.5	1.6	2.5	1.5
		27.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.6	2.5	1.5
		29.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.6	2.4	1.5
		31.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.4	1.6	2.4	1.5
		33.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.3	1.6	2.4	1.5
		35.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.7	2.3	1.5	2.3	1.4
		37.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.7	2.2	1.5	2.3	1.4
		39.0	1.5	1.4	1.8	1.5	2.1	1.7	2.1	1.7	2.2	1.7	2.2	1.5	2.3	1.4
		42.0	1.5	1.4	1.8	1.5	2.0	1.7	2.1	1.6	2.1	1.6	2.2	1.5	2.2	1.4
		44.0	1.5	1.4	1.8	1.5	2.0	1.6	2.0	1.6	2.1	1.6	2.1	1.4	2.2	1.4
		46.0	1.5	1.4	1.8	1.5	1.9	1.5	1.9	1.5	1.9	1.5	1.9	1.3	1.9	1.2
25	2.8	10.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.5	2.1
		12.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.5	2.1
		14.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.4	2.1
		16.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.4	2.1
		18.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.4	2.1
		20.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.2	3.3	2.0
		21.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.1	3.3	2.0
		23.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.2	2.1	3.2	2.0
		25.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.1	2.1	3.2	2.0
		27.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.1	2.1	3.2	2.0
		29.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.0	2.0	3.1	1.9
		31.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.2	3.0	2.0	3.1	1.9
		33.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.1	2.9	2.0	3.0	1.9
		35.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.8	2.1	2.9	2.0	3.0	1.9
		37.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.1	2.8	2.1	2.9	2.0	2.9	1.8
		39.0	1.9	1.7	2.3	1.9	2.6	2.1	2.7	2.1	2.7	2.1	2.8	1.9	2.9	1.8
		42.0	1.9	1.7	2.3	1.9	2.6	2.1	2.6	2.0	2.7	2.0	2.7	1.9	2.8	1.8
		44.0	1.9	1.7	2.3	1.9	2.6	2.1	2.6	2.0	2.6	2.0	2.7	1.9	2.8	1.7
		46.0	1.9	1.7	2.3	1.9	2.4	2.0	2.4	1.9	2.4	1.8	2.4	1.7	2.4	1.5
32	3.6	10.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.6	2.6
		12.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.5	2.6
		14.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.4	2.5
		16.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.3	2.7	4.4	2.5
		18.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.2	2.6	4.3	2.5
		20.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.2	2.6	4.3	2.4
		21.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.1	2.6	4.2	2.4
		23.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.1	2.5	4.2	2.4
		25.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.0	2.5	4.1	2.4
		27.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	4.0	2.5	4.1	2.3
		29.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.9	2.4	4.0	2.3
		31.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.8	2.4	3.9	2.3
		33.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.5	3.8	2.4	3.9	2.3
		35.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.6	2.5	3.7	2.4	3.8	2.3
		37.0	2.4	2.1	2.9	2.3	3.4	2.5	3.5	2.5	3.6	2.5	3.7	2.4	3.8	2.2
		39.0	2.4	2.1	2.9	2.3	3.4	2.5	3.5	2.5	3.5	2.5	3.6	2.3	3.7	2.2
		42.0	2.4	2.0	2.9	2.3	3.4	2.5	3.4	2.4	3.4	2.4	3.5	2.3	3.6	2.2
		44.0	2.4	2.0	2.9	2.3	3.3	2.4	3.3	2.4	3.4	2.3	3.5	2.2	3.6	2.2
		46.0	2.4	2.0	2.9	2.3	3.1	2.3	3.1	2.2	3.1	2.2	3.1	2.0	3.1	1.9
40	4.5	10.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.7	3.2
		12.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.6	3.2
		14.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.5	3.1
		16.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.4	3.3	5.5	3.1
		18.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.3	3.3	5.4	3.1
		20.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.2	3.2	5.3	3.0
		21.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.2	3.2	5.3	3.0
		23.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.1	3.2	5.2	3.0
		25.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.0	3.1	5.1	2.9
		27.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.0	3.1	5.1	2.9
		29.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	4.9	3.1	5.0	2.9
		31.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.7	3.2	4.8	3.0	4.9	2.8
		33.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.6	3.2	4.7	3.0	4.8	2.8
		35.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.6	3.2	4.7	3.0	4.8	2.8
		37.0	3.0	2.5	3.6	2.8	4.2	3.1	4.4	3.2	4.5	3.1	4.6	2.9	4.7	2.7
		39.0	3.0	2.5	3.6	2.8	4.2	3.1	4.4	3.1	4.4	3.1	4.5	2.9	4.6	2.7
		42.0	3.0	2.5	3.6	2.7	4.2	3.1	4.2	3.0	4.3	3.0	4.4	2.8	4.5	2.7
		44.0	3.0	2.5	3.6	2.7	4.1	3.0	4.2	2.9	4.2	2.9	4.3	2.8	4.4	2.6
		46.0	3.0	2.5	3.6	2.7	3.9	2.9	3.9	2.7	3.9	2.7	3.9	2.5	3.9	2.3

CA05A396

4 Capacity tables

4 - 1 Cooling capacity tables

FXCQ-M

TC: Total Capacity;kW - SHC: Sensible capacity; kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0°CWB 20.0°CDB		16.0°CWB 23.0°CDB		18.0°CWB 26.0°CDB		19.0°CWB 27.0°CDB		20.0°CWB 28.0°CDB		22.0°CWB 30.0°CDB		24.0°CWB 32.0°CDB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
50	5.6	10.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	7.1	3.9
		12.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	7.0	3.9
		14.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	6.9	3.8
		16.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.0	6.8	3.8
		18.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.6	4.0	6.7	3.7
		20.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.5	3.9	6.6	3.7
		21.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.4	3.9	6.6	3.7
		23.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.4	3.9	6.5	3.6
		25.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.3	3.8	6.4	3.6
		27.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.2	3.8	6.3	3.5
		29.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.9	4.0	6.1	3.7	6.2	3.5
		31.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.9	3.9	6.0	3.7	6.1	3.5
		33.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.8	3.9	5.9	3.7	6.0	3.4
		35.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.7	3.8	5.8	3.6	5.9	3.4
		37.0	3.8	3.1	4.5	3.4	5.2	3.8	5.5	3.9	5.6	3.8	5.7	3.6	5.8	3.3
		39.0	3.8	3.1	4.5	3.4	5.2	3.8	5.4	3.8	5.5	3.7	5.6	3.5	5.8	3.3
		42.0	3.8	2.9	4.5	3.2	5.2	3.5	5.3	3.6	5.3	3.4	5.5	3.3	5.6	3.1
		44.0	3.8	2.9	4.5	3.2	5.1	3.5	5.2	3.5	5.3	3.3	5.4	3.2	5.5	3.0
		46.0	3.8	2.9	4.5	3.2	4.8	3.3	4.8	3.2	4.8	3.0	4.8	2.9	4.9	2.7
63	7.1	10.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	9.0	4.9
		12.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	8.9	4.8
		14.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	8.7	4.7
		16.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	8.6	4.7
		18.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.3	4.9	8.5	4.6
		20.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.2	4.8	8.4	4.5
		21.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.2	4.8	8.3	4.5
		23.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.1	4.7	8.2	4.4
		25.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	7.9	4.7	8.1	4.4
		27.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	7.8	4.6	8.0	4.4
		29.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.5	4.8	7.7	4.5	7.9	4.3
		31.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.4	4.8	7.6	4.5	7.8	4.3
		33.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.3	4.7	7.5	4.4	7.6	4.3
		35.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.2	4.6	7.4	4.4	7.5	4.2
		37.0	4.8	3.8	5.7	4.2	6.6	4.7	7.0	4.8	7.1	4.6	7.2	4.3	7.4	4.2
		39.0	4.8	3.8	5.7	4.2	6.6	4.7	6.9	4.8	7.0	4.5	7.1	4.3	7.3	4.1
		42.0	4.8	3.8	5.7	4.2	6.6	4.6	6.7	4.7	6.8	4.4	7.0	4.2	7.1	4.0
		44.0	4.8	3.8	5.7	4.2	6.5	4.6	6.6	4.6	6.7	4.4	6.8	4.1	7.0	4.0
		46.0	4.8	3.8	5.7	4.2	6.1	4.3	6.1	4.3	6.1	4.0	6.1	3.7	6.2	3.5
80	9.0	10.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.7	11.4	6.4
		12.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.7	11.2	6.4
		14.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.7	11.1	6.3
		16.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.7	6.7	10.9	6.2
		18.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.6	6.6	10.8	6.2
		20.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.4	6.5	10.6	6.1
		21.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.4	6.5	10.6	6.1
		23.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.2	6.4	10.4	6.0
		25.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.1	6.4	10.3	5.9
		27.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	9.9	6.3	10.1	5.9
		29.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.5	6.5	9.8	6.2	10.0	5.8
		31.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.4	6.4	9.6	6.2	9.8	5.7
		33.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.3	6.3	9.5	6.1	9.7	5.7
		35.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.1	6.2	9.3	6.0	9.5	5.6
		37.0	6.1	5.2	7.2	5.7	8.4	6.2	8.9	6.2	9.0	6.2	9.2	6.0	9.4	5.5
		39.0	6.1	5.2	7.2	5.7	8.4	6.2	8.7	6.1	8.8	6.1	9.0	5.9	9.3	5.5
		42.0	6.1	5.2	7.2	5.8	8.4	6.2	8.5	6.1	8.6	6.0	8.8	5.7	9.0	5.4
		44.0	6.1	5.2	7.2	5.8	8.2	6.1	8.3	6.0	8.5	5.9	8.7	5.6	8.9	5.3
		46.0	6.1	5.2	7.2	5.8	7.7	5.7	7.7	5.5	7.8	5.4	7.8	5.1	7.8	4.7
125	14.0	10.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.7	9.9
		12.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.5	9.8
		14.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.2	9.7
		16.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.7	10.2	17.0	9.6
		18.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.4	10.0	16.8	9.4
		20.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.2	9.9	16.6	9.3
		21.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.1	9.8	16.4	9.2
		23.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.9	9.7	16.2	9.1
		25.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.6	9.6	16.0	9.1
		27.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.4	9.4	15.8	9.0
		29.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.2	9.3	15.5	8.9
		31.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.6	9.7	15.0	9.2	15.3	8.8
		33.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.4	9.6	14.7	9.1	15.1	8.7
		35.0	9.4	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.2	9.5	14.5	9.0	14.9	8.6
		37.0	9.4	7.8	11.3	8.6	13.1	9.5	13.8	9.6	13.9	9.3	14.3	9.0	14.6	8.6
		39.0	9.4	7.8	11.3	8.6	13.1	9.5	13.5	9.5	13.7	9.2	14.1	8.9	14.4	8.5
		42.0	9.4	7.7	11.3	8.6	13.0	9.4	13.2	9.3	13.4	8.9	13.7	8.6	14.1	8.3
		44.0	9.4	7.7	11.3	8.6	12.8	9.2	13.0	9.1	13.1	8.8	13.5	8.5	13.8	8.2
		46.0	9.4	7.7	11.3	8.6	12.0	8.7	12.1	8.4	12.1	8.1	12.1	7.6	12.2	7.2

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4 Capacity tables

4 - 2 Heating capacity tables

FXCQ-M

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	25	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	2.6
		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	-17.5	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

3TW25512-2A

4 Capacity tables

4 - 2 Heating capacity tables

FXCQ-M

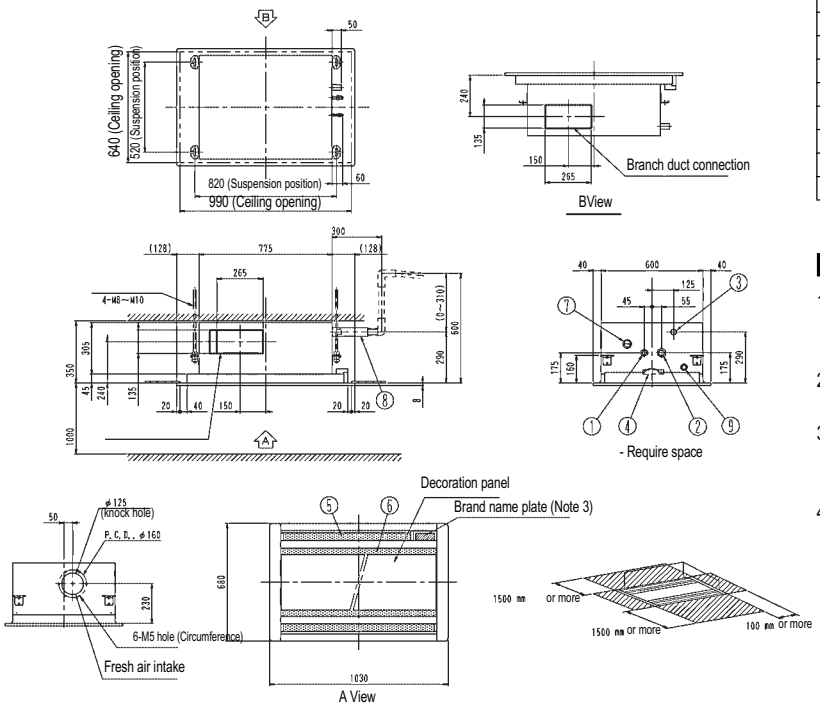
Unit size	Nominal Capacity	Outdoor air temp		Indoor air temp.: °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	KW	KW	KW	KW	KW	KW
50	6.3	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
		-12.6	-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
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	6.0
		-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
80	10.0	-19.8	-20.0	5.9	5.9	5.9	5.9	5.9	5.8
		-18.8	-19.0	6.1	6.1	6.0	6.0	6.0	6.0
		-16.7	-17.0	6.4	6.4	6.4	6.4	6.4	6.4
		-14.7	-15.0	6.8	6.8	6.8	6.7	6.7	6.7
		-12.6	-13.0	7.1	7.1	7.1	7.1	7.1	7.1
		-10.5	-11.0	7.5	7.5	7.5	7.5	7.4	7.4
		-9.5	-10.0	7.7	7.7	7.6	7.6	7.6	7.6
		-8.5	-9.1	7.8	7.8	7.8	7.8	7.8	7.8
		-7.0	-7.6	8.1	8.1	8.1	8.1	8.0	8.0
		-5.0	-5.6	8.4	8.4	8.4	8.4	8.4	8.4
		-3.0	-3.7	8.8	8.8	8.7	8.7	8.7	8.7
		0.0	-0.7	9.3	9.3	9.3	9.3	9.3	8.7
		3.0	2.2	9.8	9.8	9.8	9.7	9.4	8.7
		5.0	4.1	10.2	10.1	10.0	9.7	9.4	8.7
		7.0	6.0	10.5	10.5	10.0	9.7	9.4	8.7
		9.0	7.9	10.8	10.6	10.0	9.7	9.4	8.7
		11.0	9.8	11.2	10.6	10.0	9.7	9.4	8.7
		13.0	11.8	11.3	10.6	10.0	9.7	9.4	8.7
		15.0	13.7	11.3	10.6	10.0	9.7	9.4	8.7
125	16.0	-19.8	-20.0	9.4	9.4	9.4	9.4	9.4	9.3
		-18.8	-19.0	9.7	9.7	9.7	9.7	9.6	9.6
		-16.7	-17.0	10.3	10.3	10.2	10.2	10.2	10.2
		-14.7	-15.0	10.9	10.8	10.8	10.8	10.8	10.7
		-12.6	-13.0	11.4	11.4	11.4	11.4	11.3	11.3
		-10.5	-11.0	12.0	12.0	11.9	11.9	11.9	11.9
		-9.5	-10.0	12.3	12.2	12.2	12.2	12.2	12.2
		-8.5	-9.1	12.5	12.5	12.5	12.5	12.4	12.4
		-7.0	-7.6	13.0	12.9	12.9	12.9	12.9	12.8
		-5.0	-5.6	13.5	13.5	13.5	13.4	13.4	13.4
		-3.0	-3.7	14.1	14.0	14.0	14.0	14.0	13.9
		0.0	-0.7	14.9	14.9	14.8	14.8	14.8	13.9
		3.0	2.2	15.7	15.7	15.7	15.5	15.0	13.9
		5.0	4.1	16.3	16.2	16.0	15.5	15.0	13.9
		7.0	6.0	16.8	16.8	16.0	15.5	15.0	13.9
		9.0	7.9	17.3	17.0	16.0	15.5	15.0	13.9
		11.0	9.8	17.9	17.0	16.0	15.5	15.0	13.9
		13.0	11.8	18.1	17.0	16.0	15.5	15.0	13.9
		15.0	13.7	18.1	17.0	16.0	15.5	15.0	13.9

3TW25512-2A

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

FXCQ20-25-32MVE



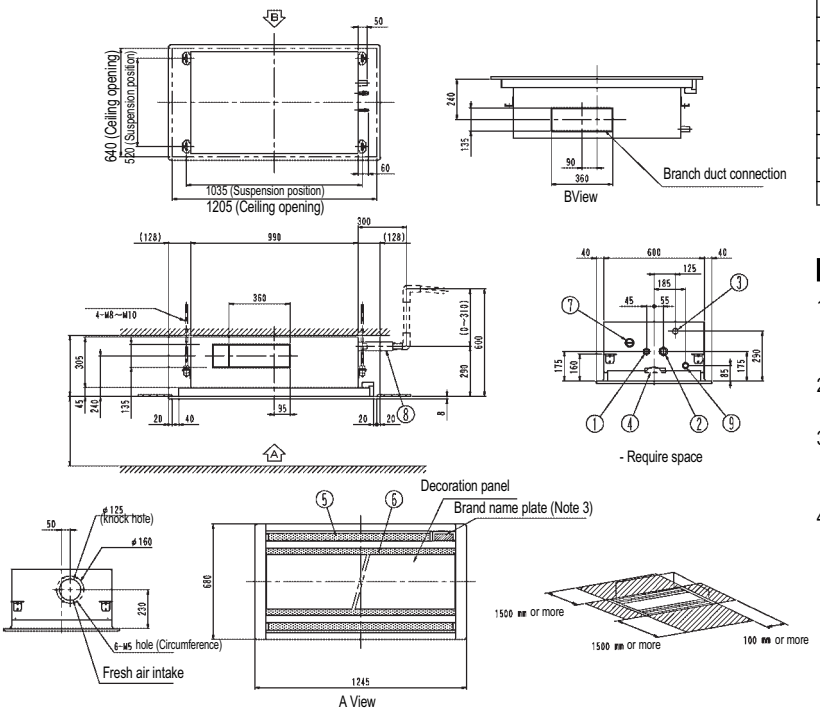
Nr	Name	Description
1	Liquid pipe connection port:	ø 9.5 flare connection
2	Gas pipe connection port:	ø 15.9 flare connection
3	Drain pipe connection port:	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

NOTES

1 Location of unit's name plates
For main body : Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.
2 When installing an optional accessory, refer to the installation drawings.
3 In case of using wireless remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
4 If it is assumed that the relative humidity above the ceiling exceeds 80% stic the additional insulation to the unit.
Insulation: 10 mm thick or more.
Glass fiber of polyethylene foam.

3D039405A

FXCQ40-50MVE



Nr	Name	Description
1	Liquid pipe connection port:	ø 9.5 flare connection
2	Gas pipe connection port:	ø 15.9 flare connection
3	Drain pipe connection port:	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

NOTES

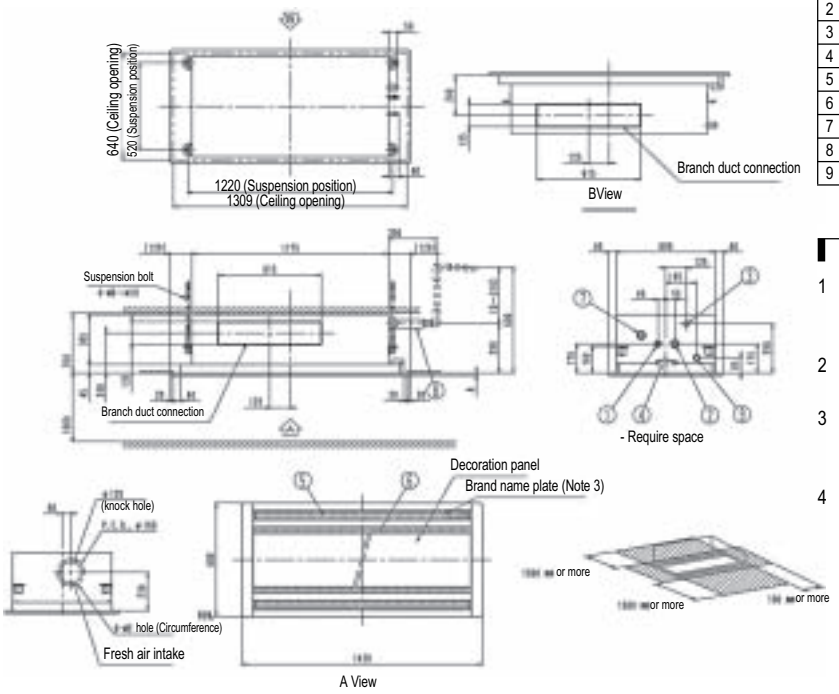
1 Location of unit's name plates
For main body : Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.
2 When installing an optional accessory, refer to the installation drawings.
3 In case of using wireless remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.
4 If it is assumed that the relative humidity above the ceiling exceeds 80% stic the additional insulation to the unit.
Insulation: 10 mm thick or more.
Glass fiber of polyethylene foam.

3D039406

5 Dimensional drawing & centre of gravity

5 - 1 Dimensional drawing

FXCQ63MVE



Nr	Name	Description
1	Liquid pipe connection port:	ø 9.5 flare connection
2	Gas pipe connection port:	ø 15.9 flare connection
3	Drain pipe connection port:	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

NOTES

1 Location of unit's name plates
For main body : Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.

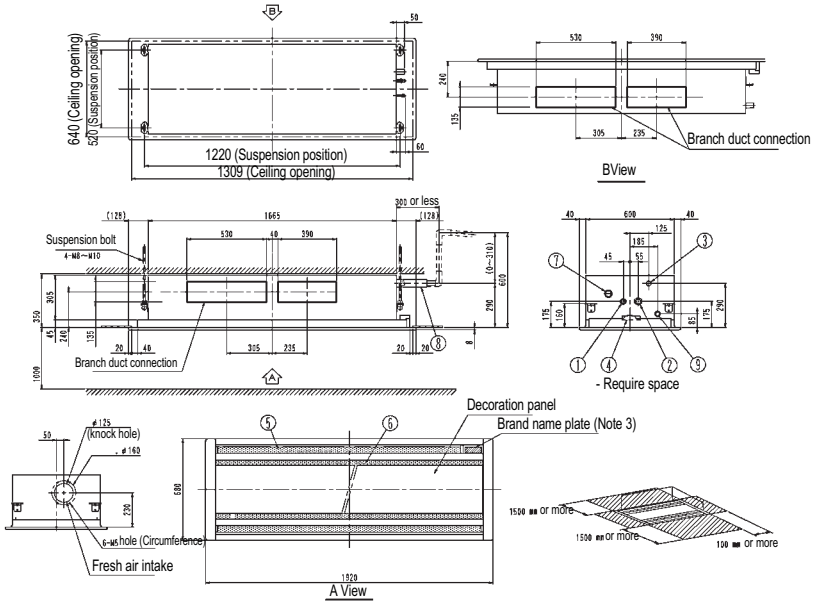
2 When installing an optional accessory, refer to the installation drawings.

3 In case of using wireless remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.

4 If it is assumed that the relative humidity above the ceiling exceeds 80% stic the additional insulation to the unit.
Insulation: 10 mm thick or more.
Glass fiber of polyethylene foam.

3D039407A

FXCQ80-125MVE



Nr	Name	Description
1	Liquid pipe connection port:	ø 9.5 flare connection
2	Gas pipe connection port:	ø 15.9 flare connection
3	Drain pipe connection port:	VP25 (O.D. ø 32, I.D. ø 25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	
7	Port for water supply	
8	Drain hose	O.D. ø 32
9	Socket for drain	

NOTES

1 Location of unit's name plates
For main body : Filter install plate inside surface of suction grille
For decoration panel: Panel frame inside surface of suction grille.

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

3 In case of using wireless remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control in detail.

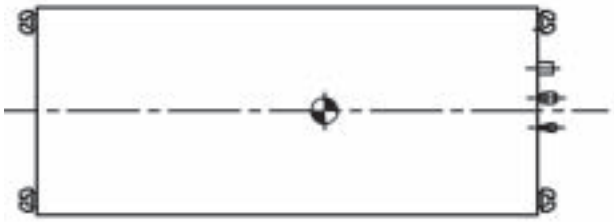
4 If it is assumed that the relative humidity above the ceiling exceeds 80% stic the additional insulation to the unit.
Insulation: 10 mm thick or more.
Glass fiber of polyethylene foam.

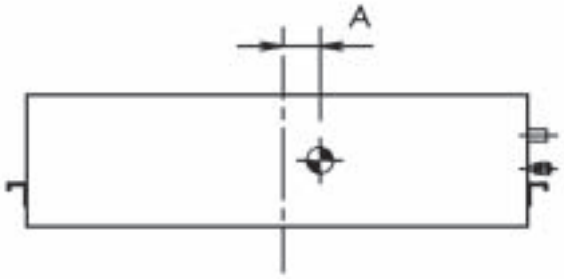
3D039409A

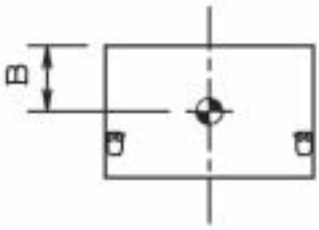
5 Dimensional drawing & centre of gravity

5 - 2 Centre of gravity

FXCQ-MVE





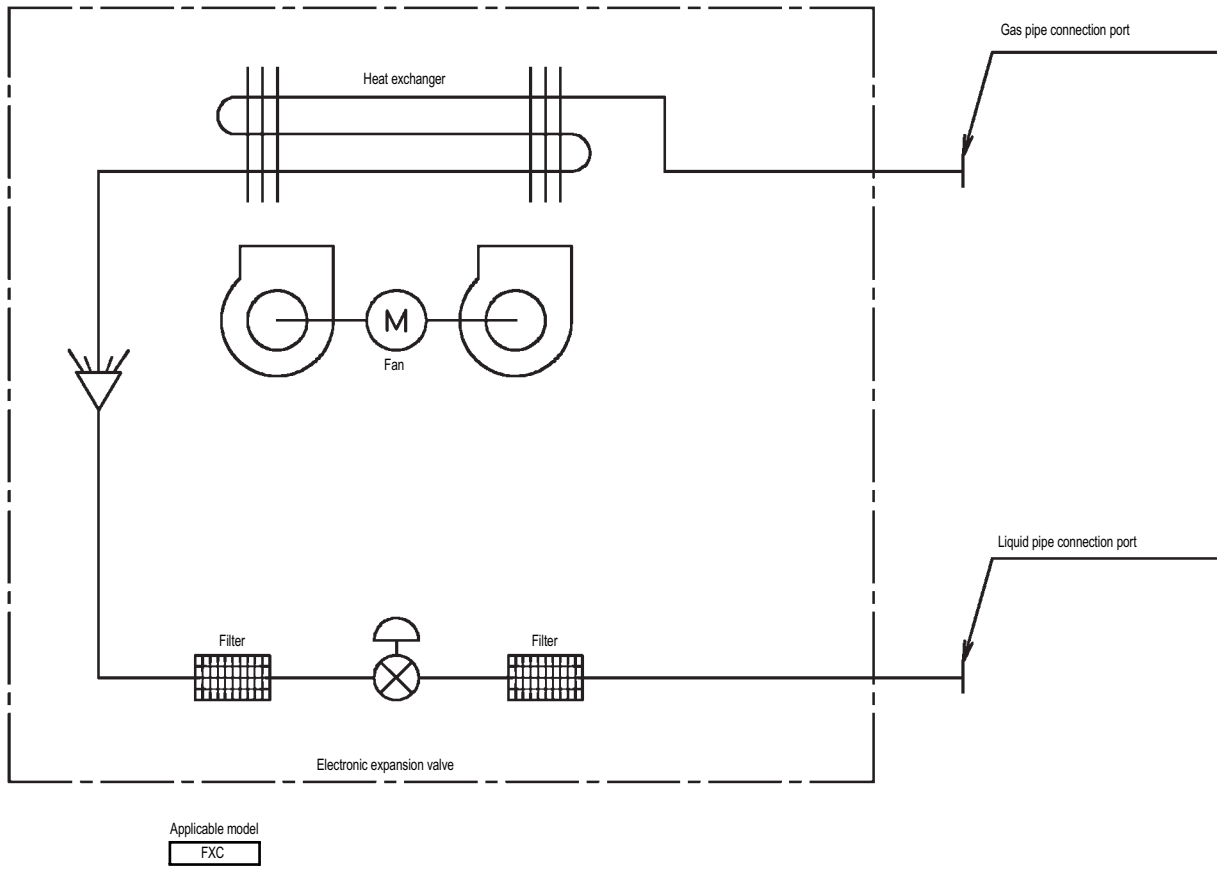


MODEL	A	B
FXCQ20 - 25 - 32 MVE	20	140
FXCQ40 - 50MVE	25	
FXCQ63MVE	30	
FXCQ80 - 125MVE	35	150

4D034788B

6 Piping diagram

FXCQ-MVE

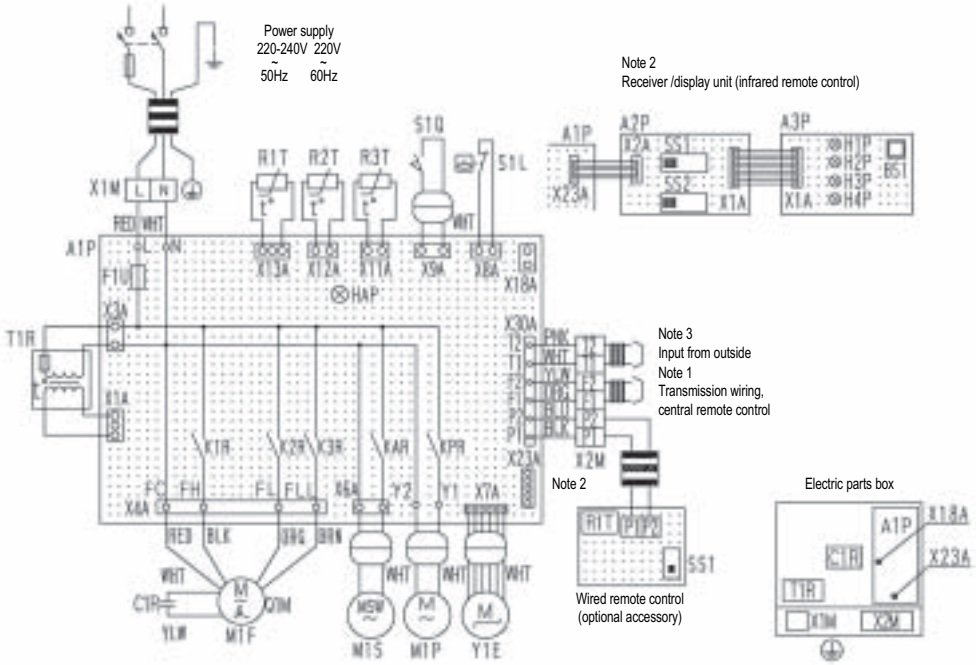


4D034245C

7 Wiring diagram

7 - 1 Wiring diagram

FXCQ20-25-32-63-MVE



Indoor unit		Q1M	Thermo switch (M1F Embedded)	Receiver/Display unit (Attached To Infrared Remote Control)	
A1P	Printed Circuit Board	R1T	Thermistor (Air)	A2P	Printed Circuit Board
C1, C2	Capacitor (M1F)	R2T-R3T	Thermistor (coil)	A3P	Printed Circuit Board
F1U	Fuse (Ⓑ, 5A, 250V) (A1P)	S1L	Float Switch	BS1	Push button (On/Off)
HAP	Light Emitting Diode (Service Monitor-Green)	S1Q	Limit Switch (Swing Flap)	H1P	Light Emitting Diode (On-Red)
		T1R	Transformer (220-240V/22V)	H2P	Light Emitting Diode (Timer-Green)
K1R-K3R	Magnetic relay (M1F)	X1M	Terminal block (Power)	H3P	Light Emitting Diode (Filter Sign-Red)
KAR	Magnetic relay (M1S)	X2M	Terminal block (Control)	H4P	Light Emitting Diode (Defrost-Orange)
KPR	Magnetic relay (M1P)	Y1E	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)	X18A	Connector (Wiring adaptor for Electorical appendices)
				X23A	Connector (Infrared Remote Control)

: Terminal block
: Connector
: Short circuit connector
: Terminal
: Field wiring

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

3D039558A

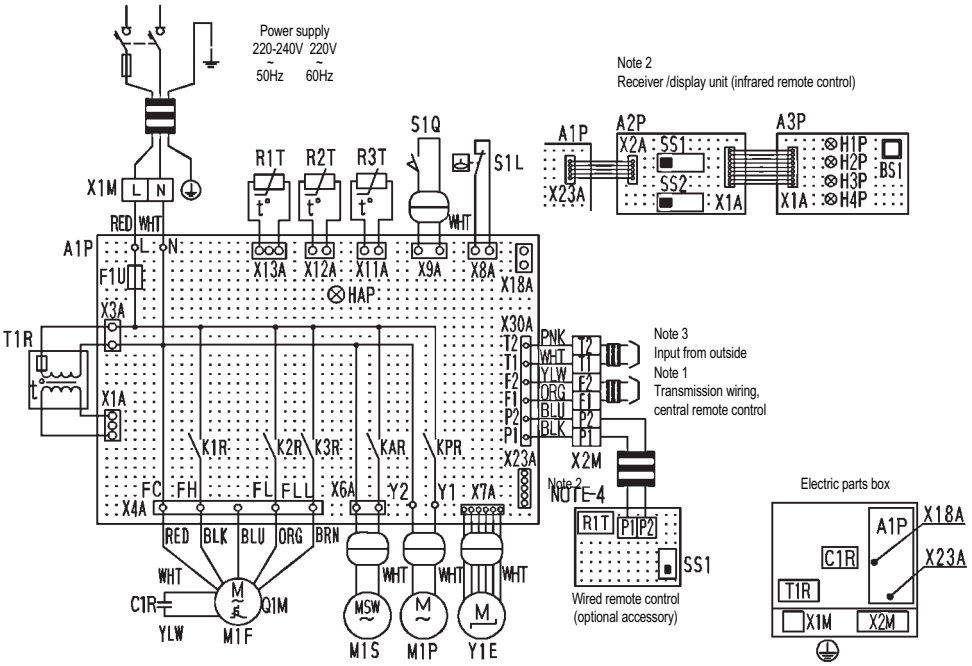
NOTES

1 In case of using central remote control, connect it to the unit in accordance with the attached instruction manual.
2 X23A is connected when the infrared 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 conrol. In details, refer to the installation manual attached the unit.
4 Use copper conductors only.

7 Wiring diagram

7 - 1 Wiring diagram

FXCQ40-50-80-125MVE



Indoor unit		Q1M	Thermo switch (M1F Embedded)	Receiver/Display unit (Attached To Infrared Remote Control)	
A1P	Printed Circuit Board	R1T	Thermistor (Air)	A2P	Printed Circuit Board
C1, C2	Capacitor (M1F)	R2T-R3T	Thermistor (coil)	A3P	Printed Circuit Board
F1U	Fuse (Ⓑ, 5A, 250V) (A1P)	S1L	Float Switch	BS1	Push button (On/Off)
HAP	Light Emitting Diode (Service Monitor-Green)	S1Q	Limit Switch (Swing Flap)	H1P	Light Emitting Diode (On-Red)
		T1R	Transformer (220-240V/22V)	H2P	Light Emitting Diode (Timer-Green)
K1R-K3R	Magnetic relay (M1F)	X1M	Terminal block (Power)	H3P	Light Emitting Diode (Filter Sign-Red)
KAR	Magnetic relay (M1S)	X2M	Terminal block (Control)	H4P	Light Emitting Diode (Defrost-Orange)
KPR	Magnetic relay (M1P)	Y1E	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)	X18A	Connector (Wiring adaptor for Electorical appendices)
				X23A	Connector (Infrared Remote Control)

⊏⊐⊏⊐	: Terminal block	Colors:	BLK: Black	PNK:	Pink
⊙⊙, ⊐	: Connector		BLU: Blue	RED:	Red
	: Short circuit connector		BRN: Brown	WHT:	White
—○—	: Terminal		ORG: Orange	YLW:	Yellow
	: Field wiring				

3D039559A

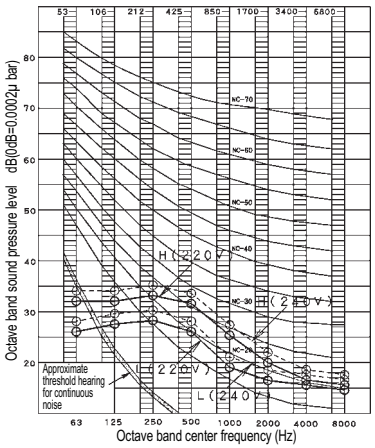
NOTES

1 In case of using central remote control, connect it to the unit in accordance with the attached instruction manual.
2 X23A is connected when the infrared 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 conrol. In details, refer to the installation manual attached the unit.
4 Use copper conductors only.

8 Sound data

8 - 1 Sound pressure spectrum

FXCQ20MVE



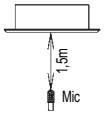
4D034329

NOTE

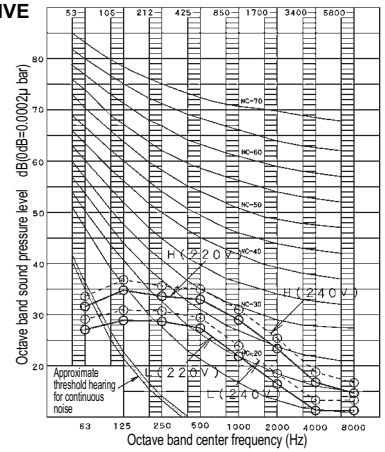
Scale	220V		220V	
	H	L	H	L
A	32	27	34	29
C	38.5	33.5	40.5	35.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  ○———○ : 220 Hz
  ○ - - - ○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



FXCQ25-32MVE



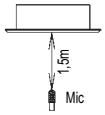
4D034330

NOTE

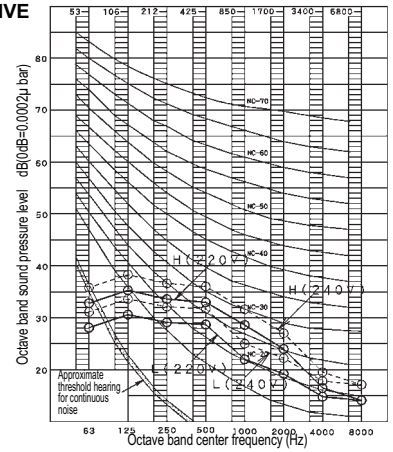
Scale	220V		220V	
	H	L	H	L
A	34	29	36	30
C	40	34.5	42	36.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  ○———○ : 220 Hz
  ○ - - - ○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions.
5 Location of microphone



FXCQ40-50MVE



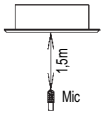
4D034331

NOTE

Scale	220V		220V	
	H	L	H	L
A	34	29	37	32
C	40.5	35.5	43.5	38.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  ○———○ : 220 Hz
  ○ - - - ○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



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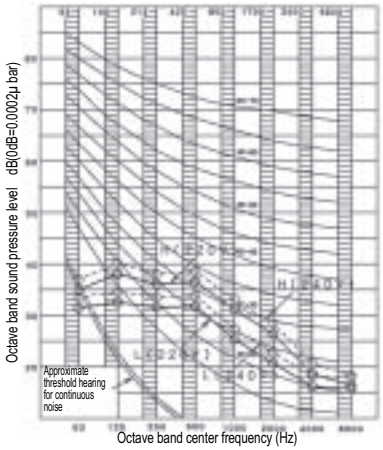


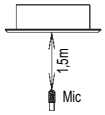
4D034332

NOTE

Scale	220V		220V	
	H	L	H	L
A	37	32	39	34
C	43	38.5	45	40.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  ○———○ : 220 Hz
  ○ - - - ○ : 240 Hz

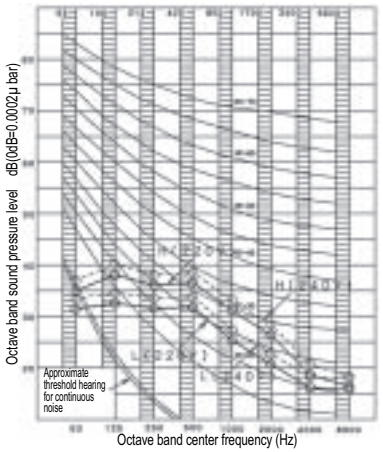
3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



8 Sound data

8 - 1 Sound pressure spectrum

FXCQ80MVE



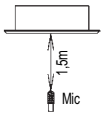
4D034333

NOTE

Scale	220V		220V	
	H	L	H	L
A	39	34	41	36
C	45	40.5	47	42.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○ - - - ○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



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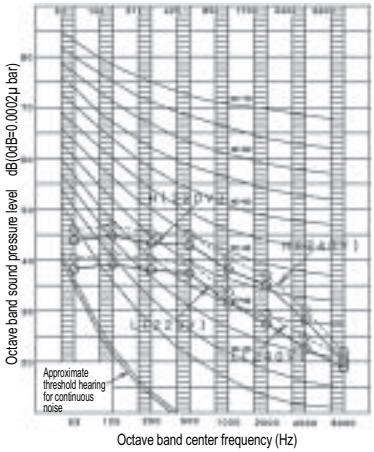


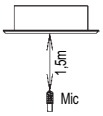
4D034334

NOTE

Scale	220V		220V	
	H	L	H	L
A	44	38	46	40
C	50.5	44.5	52.5	46.5

1 Over All (dB):
(B, G, N is already rectified)
2 Operating conditons:
- Power source: 220-240V/220V 50Hz/60Hz
- JIS Standard
  - ○———○ : 220 Hz
  - ○ - - - ○ : 240 Hz

3 Measuring place: Anechoic chamber
4 Operation noise differs with operation and ambient conditions
5 Location of microphone



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