DAIKIN

Air Conditioners

Technical Data

VRV®

2-way blow ceiling mounted cassette

EEDEN11-204

FXCQ-M8

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2-way blow ceiling mounted cassette

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TABLE OF CONTENTS

FXCQ-M8

1 Specifications

1-1 Technical Specifications					FXCQ20M8V3B	FXCQ25M8V3B	FXCQ32M8V3B	FXCQ40M8V3B	FXCQ50M8V3B	FXCQ63M8V3B	FXCQ80M8V3B	FXCQ125M8V3B
Cooling capacity	Nom.			kW	2.2 (1)	2.8 (1)	3.6 (1)	4.5 (1)	5.6 (1)	7.1 (1)	9.0 (1)	14.0 (1)
Heating capacity	Nom.			kW	2.5 (2)	3.2 (2)	4.0 (2)	5.0 (2)	6.3 (2)	8.0 (2)	10.0 (2)	16.0 (2)
Power input - 50Hz	Cooling	Nom.		kW	0.077	0.092		0.130		0.161	0.209	0.256
	Heating	Nom.		kW	0.044	0.059		0.097		0.126	0.176	0.223
Casing	Colour				Unpainted							
	Material				Galvanised steel plate							
Dimensions	Unit	Height		mm	305							
		Width		mm	780			995		1,180	1,670	
		Depth		mm	600							
	Packed unit	Height		mm	405							
		Width		mm	1,060			1,280		1,460	1,808	
		Depth		mm	665						645	
Required ceiling void >				mm	350							
Weight	Unit			kg	26			31	32	35	47	48
	Packed unit			kg	30			37	38	42	55	56
Decoration panel	Model				BYBC32GJW1			BYBC50GJW1		BYBC63GJW1	BYBC125GJW1	
	Colour				White (10Y9/0.5)							
	Dimensions	Height		mm	53							
		Width		mm	1,030			1,245		1,430	1,920	
		Depth		mm	680							
	Weight			kg	8			8.5		9.5	12	
Heat exchanger	Quantity				2							
	Length			mm	475			690	475	875	1,365	
	Rows	Quantity			2							
	Fin pitch			mm	1.5							
	Passes	Quantity			3					6	5	6
	Face area			m²	0.1			0.145		0.184	0.287	
	Stages	Quantity			10							
	Empty tubeplate hole	Quantity			0			6	0		8	0
	Tube type				ø7 Hi-XSS							
	Fin	Type			Symmetric waffle louvre							
		Treatment			Hydrophilic							
Heat exchanger 2	Length			mm	475			690	475	875	1,365	
	Rows	Quantity			2							
	Fin pitch			mm	1.5							
	Passes	Quantity			3					6	5	6
	Empty tubeplate hole	Quantity			0			6	0		8	0
	Face area			m²	0.1			0.145		0.184	0.287	
	Fin	Treatment			Hydrophilic							
		Type			Symmetric waffle louvre							
	Stages	Quantity			10							
	Tube type				Ø7 Hi-XSS							
Fan	Type				Sirocco fan							
	Quantity				1			2			3	
	Air flow rate - 50Hz	Cooling	High	m³/min	7	9		12		16.5	26	33
			Low	m³/min	5	6.5		9		13	21	25
		Heating	High	m³/min	7	9		12		16.5	26	33
			Low	m³/min	5	6.5		9		13	21	25
Fan motor	Quantity				1							
	Speed	Steps			Phase cut control							
	Output	High		W	10	15		20		30	50	85
	Drive				Direct drive							
Sound power level	Cooling	Nom.		dBA	45	50				52	54	60

1 Specifications

1-1 Technical Specifications				FXCQ20M8V3B	FXCQ25M8V3B	FXCQ32M8V3B	FXCQ40M8V3B	FXCQ50M8V3B	FXCQ63M8V3B	FXCQ80M8V3B	FXCQ125M8V3B
Sound pressure level	Cooling	High	dBA	33	35		35.5		38	40	45
		Low	dBA	28	29		30.5		33	35	39
	Heating	High	dBA	33	35		35.5		38	40	45
		Low	dBA	28	29		30.5		33	35	39
Refrigerant	Type			R-410A							
	Control			Electronic expansion valve							
Piping connections	Liquid	Type		Flare connection							
		OD	mm	6.35					9.52		
	Gas	Type		Flare connection							
		OD	mm	12.7					15.90		
	Drain			VP25 (O.D. 32 / I.D. 25)							
	Heat insulation			Both liquid and gas pipes							
Temperature control				Microprocessor thermostat for cooling and heating							
Air direction control				Up and downwards							
Air filter				Resin net with mold resistance							
Drain-up height			mm	600							
Safety devices	Item	01		PC board fuse							
		02		Fan motor thermal protection							
		03		Drain pump fuse							

1-2 Electrical Specifications				FXCQ20M8V3B	FXCQ25M8V3B	FXCQ32M8V3B	FXCQ40M8V3B	FXCQ50M8V3B	FXCQ63M8V3B	FXCQ80M8V3B	FXCQ125M8V3B
Power supply	Name			V3							
	Phase			1~							
	Frequency		Hz	50							
	Voltage		V	230							
Voltage range	Min.		%	-10							
	Max.		%	10							
Current - 50Hz	Zmax	List		No requirements							
	Minimum circuit amps (MCA)		A	0.5			0.8		0.9	1.1	1.3
	Maximum fuse amps (MFA)		A	16							
	Full load amps (FLA)	Total	A	0.4			0.6		0.7	0.9	1.0
Power supply intake				Both indoor and outdoor unit							

Notes

(1) Cooling: indoor temp. 27ºCDB, 19ºCWB; outdoor temp. 35ºCDB; equivalent piping length: 8m; level difference: 0m

(2) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB; equivalent refrigerant piping: 8m; level difference: 0m

(3) Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

(4) Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(5) Maximum allowable voltage range variation between phases is 2%.

(6) MCA/MFA: MCA = 1.25 x FLA

(7) MFA ≤ 4 x FLA

(8) Next lower standard fuse rating minimum 16A

(9) Select wire size based on the value of MCA

(10) Instead of a fuse, use a circuit breaker

2 Safety device settings

2 - 1 Safety Device Settings

		FXCQ20M8	FXCQ25M8	FXCQ32M8	FXCQ40M8	FXCQ50M8	FXCQ63M8	FXCQ80M8	FXCQ125M8
PC BOARD FUSE		250V 5A							
FAN MOTOR THERMAL FUSE	°C	$152^{\pm 2}$						-	
DRAIN PUMP FUSE	°C	$164.5^{\pm 2.5}$							
FAN MOTOR THERMAL PROTECTOR		-						OFF: $135^{\pm 8}$ (ON: $87^{\pm 15}$)	

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3 Options

3 - 1 Options

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Options

Nr.	Item / Type		FXCQ20,25,32	FXCQ40,50	FXCQ63	FXCQ80,125
1	Decoration panel		BYBC32G	BYBC50G	BYBC63G	BYBC125G
2	Filter related	High-efficiency filter 65% *1	KAFJ532G36	KAFJ532G56	KAFJ532G80	KAFJ532G160
		High-efficiency filter 90% *1	KAFJ533G136	KAFJ533G56	KAFJ533G80	KAFJ533G160
		Filter chamber for bottom suction	KDDFJ53G36	KDDFJ53G56	KDDFJ53G80	KDDFJ53G160
		Long life replacement filter	KAFJ531G136	KAFJ531G56	KAFJ531G80	KAFJ531G160

Operation control

Nr.	Item / Type			FXCQ20,25,32	FXCQ40,50	FXCQ63	FXCQ80,125
1	Remote control	Wired type		BRC1D52			
				BRC1E51A			
		Infrared type	HP	BRC7C62			
			CO	BRC7C67			
2	Simplified remote control			-			
3	Remote control for hotel use			-			
4	Adapter for wiring (hour meter)			EKRP1B2			
5.1	Wiring adapter for electrical appendices (1)			KRP2A51 #			
5.2	Wiring adapter for electrical appendices (2)			KRP4A51 #			
6	Remote sensor			KRCS01-1			
7	Installation box for adapter PCB *2			KRP1B96 *3 *4			
8	Central remote control			DCS302C51			
8.1	Electrical box with earth terminal (3 blocks)			KJB311A			
9	Unified ON/OFF controller			DCS301B51			
9.1	Electrical box with earth terminal (2 blocks)			KJB212A			
9.2	Noise filter (for electromagnetic interface use only)			KEK26-1A			
10	Schedule timer			DST301B51			
11	External adapter for outdoor unit (installation on indoor unit)			DTA104A61 #			

Contents of accessory bag

Description	Quantity
Hexagon tapping screw (M5x16)	4
Round plain washer for wood	8
C-washer	1
Installation and opeartion manual	1
Hose band	1
Glass tube fuse	1
Insulation for joint (GAS)	1
Insulation for joint (LIQUID)	1
Drain hose	1

NOTES

*1. A filter chamber is required when installing a high efficiency filter
*2. Installation box is necessary for each adapter marked #
*3. Up to 2 adapters can be fixed for each installation box
*4. Only 1 installation box can be installed for each indoor unit
*5. All options are supplied as kit
*6. Included languages are: English, German, French, Dutch, Spanish, Italian, Greek, Portuguese, Russian and Turkish

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4 Control systems

4 - 1 Control Systems

Individual control systems

		FXCQ20M8	FXCQ25M8	FXCQ32M8	FXCQ40M8	FXCQ50M8	FXCQ63M8	FXCQ80M8	FXCQ125M8
WIRED REMOTE CONTROL		BRC1D52							
INFRARED REMOTE CONTROL	Heat pump	BRC7C62							
	Cooling only	BRC7C67							

Centralised control systems

	FXCQ20M8	FXCQ25M8	FXCQ32M8	FXCQ40M8	FXCQ50M8	FXCQ63M8	FXCQ80M8	FXCQ125M8
CENTRALISED REMOTE CONTROL	DCS302C51							
UNIFIED ON/OFF CONTROL	DCS301B51							
SCHEDULE TIMER	DST301B51							

Others

	FXCQ20M8	FXCQ25M8	FXCQ32M8	FXCQ40M8	FXCQ50M8	FXCQ63M8	FXCQ80M8	FXCQ125M8
WIRING ADAPTER (HOUR METER)	EKRP1B2							
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)	KRP2A51 #							
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)	KRP4A51 #							
REMOTE SENSOR	KRCS01-1							
INSTALLATION BOX FOR ADAPTER PCB	KRP1B96 (1)(2)							
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 ADAPTER FOR OUTDOOR UNIT (INSTALLATION ON INDOOR UNIT)	DTA104A61 #							

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NOTES

1 Up to 2 adapters can be fixed for each installation box.
2 Only 1 installation box can be installed per indoor unit.
3 Installation box is necessary for each adapter marked with #.

5 Capacity tables

5 - 1 Cooling Capacity Tables

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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
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	2.9	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	2.9	1.7
		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	2.8	1.7
		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	2.8	1.7
		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	2.7	1.7
		20.0	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
		21.0	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
		23.0	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
		25.0	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
		27.0	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
		29.0	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
		31.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.7	2.5	1.5
		33.0	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
		35.0	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
		37.0	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
		39.0	1.5	1.4	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.7	2.3	1.6	2.3	1.5
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	3.4	2.2	3.7	2.2
		12.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.2	3.6	2.2
		14.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.2	3.6	2.2
		16.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.2	3.5	2.2
		18.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.2	3.5	2.1
		20.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.2	3.4	2.1
		21.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.4	2.2	3.4	2.1
		23.0	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
		25.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.3	2.2	3.3	2.1
		27.0	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
		29.0	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
		31.0	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
		33.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.1	2.1	3.1	2.0
		35.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	3.0	2.2	3.0	2.1	3.1	1.9
		37.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.2	3.0	2.0	3.0	1.9
		39.0	1.9	1.7	2.3	1.9	2.6	2.1	2.8	2.2	2.9	2.2	2.9	2.0	3.0	1.9
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	4.7	2.7
		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	4.7	2.7
		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	4.6	2.7
		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	4.6	2.6
		18.0	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
		20.0	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
		21.0	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
		23.0	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
		25.0	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
		27.0	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
		29.0	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
		31.0	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
		33.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.9	2.5	4.0	2.4
		35.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.8	2.6	3.9	2.5	4.0	2.4
		37.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.5	3.9	2.3
		39.0	2.4	2.1	2.9	2.3	3.4	2.5	3.6	2.6	3.7	2.6	3.8	2.4	3.8	2.3
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	5.9	3.3
		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	5.8	3.3
		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	5.8	3.2
		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	5.7	3.2
		18.0	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
		20.0	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
		21.0	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
		23.0	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
		25.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.8	3.3	5.2	3.3	5.3	3.1
		27.0	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
		29.0	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
		31.0	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
		33.0	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
		35.0	3.0	2.5	3.6	2.8	4.2	3.1	4.5	3.2	4.7	3.3	4.9	3.1	5.0	2.9
		37.0	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
		39.0	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

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5 Capacity tables

5 - 1 Cooling Capacity Tables

FXCQ-M8

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
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	4.1	7.4	4.0
		12.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	7.3	4.0
		14.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	7.2	4.0
		16.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	7.1	3.9
		18.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	7.0	3.9
		20.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	6.9	3.8
		21.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	6.8	3.8
		23.0	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	3.8
		25.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.5	4.0	6.6	3.7
		27.0	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
		29.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.3	3.9	6.5	3.6
		31.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.2	3.8	6.4	3.6
		33.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.1	3.8	6.3	3.6
		35.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.9	4.0	6.0	3.8	6.2	3.5
		37.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.8	3.9	5.9	3.7	6.1	3.5
		39.0	3.8	3.1	4.5	3.4	5.2	3.8	5.6	3.9	5.7	3.9	5.8	3.7	6.0	3.4
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	9.3	5.0
		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	9.2	5.0
		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	9.1	4.9
		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	9.0	4.9
		18.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.5	5.0	8.8	4.8
		20.0	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
		21.0	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
		23.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.4	4.9	8.5	4.6
		25.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.3	4.9	8.4	4.6
		27.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.1	4.8	8.3	4.5
		29.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	8.0	4.7	8.2	4.5
		31.0	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
		33.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.6	4.9	7.8	4.6	7.9	4.4
		35.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.5	4.8	7.7	4.6	7.8	4.4
		37.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.4	4.8	7.5	4.5	7.7	4.3
		39.0	4.8	3.8	5.7	4.2	6.6	4.7	7.1	4.9	7.2	4.7	7.4	4.5	7.6	4.3
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	6.8	11.8	6.7
		12.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.8	11.7	6.6
		14.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.8	11.5	6.6
		16.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.8	11.4	6.5
		18.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.8	11.2	6.4
		20.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.8	11.1	6.3
		21.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.8	6.8	11.0	6.3
		23.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.6	6.7	10.8	6.3
		25.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.5	6.6	10.7	6.2
		27.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.3	6.6	10.5	6.1
		29.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.2	6.5	10.4	6.0
		31.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	10.0	6.4	10.2	6.0
		33.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.6	6.5	9.8	6.3	10.1	5.9
		35.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.5	6.4	9.7	6.3	9.9	5.8
		37.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.3	6.4	9.5	6.2	9.8	5.7
		39.0	6.1	5.2	7.2	5.7	8.4	6.2	9.0	6.3	9.2	6.3	9.4	6.1	9.6	5.7
125	14.0	10.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.8	10.2	18.4	10.3
		12.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.8	10.2	18.2	10.2
		14.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.8	10.2	18.0	10.1
		16.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.8	10.2	17.7	9.9
		18.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.8	10.2	17.5	9.8
		20.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.8	10.2	17.2	9.7
		21.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.8	10.2	17.1	9.6
		23.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.5	10.1	16.9	9.5
		25.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.3	10.0	16.6	9.4
		27.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	16.1	9.8	16.4	9.3
		29.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.8	9.7	16.2	9.3
		31.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.6	9.6	15.9	9.2
		33.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.9	9.9	15.3	9.5	15.7	9.1
		35.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.8	9.9	15.1	9.4	15.4	9.0
		37.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.7	14.5	9.7	14.9	9.3	15.2	8.9
		39.0	9.5	7.8	11.3	8.6	13.1	9.5	14.0	9.8	14.3	9.6	14.6	9.2	15.0	8.8

3TW25512-1

5 Capacity tables

5 - 2 Heating Capacity Tables

FXCQ-M8

Unit size	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	-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	-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	-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	-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	-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

3TW25512-2B

5 Capacity tables

5 - 2 Heating Capacity Tables

FXCQ-M8

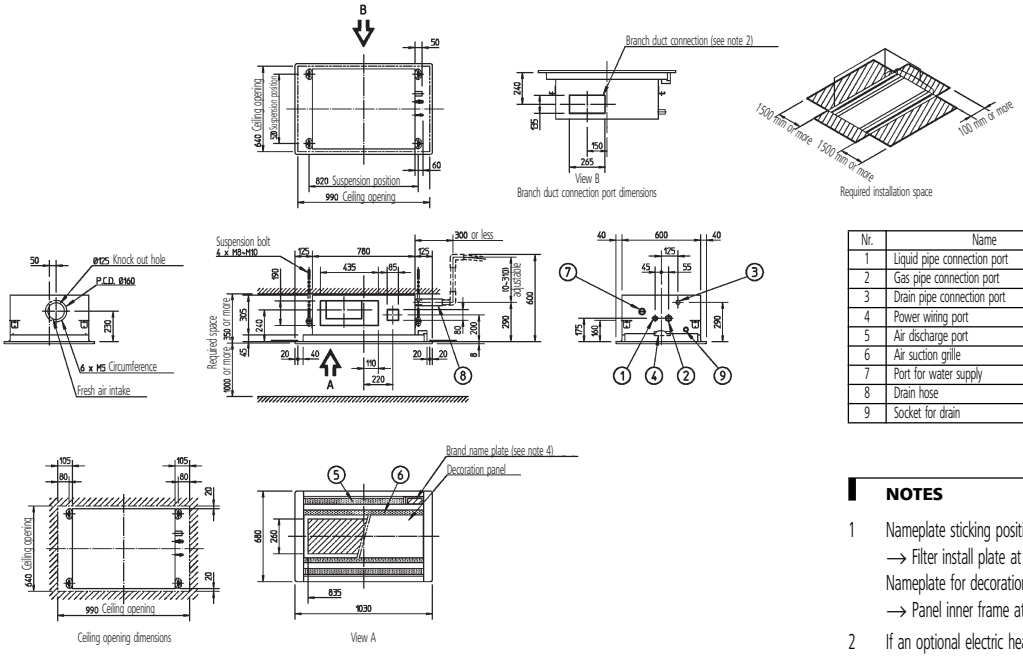
Unit size	Outdoor air temp.		Indoor air temp.: °CDB					
			16.0	18.0	20.0	21.0	22.0	24.0
	°CDB	°CWB	KW	KW	KW	KW	KW	KW
63	-19,8	-20,0	4,7	4,7	4,7	4,7	4,7	4,7
	-18,8	-19,0	4,9	4,9	4,8	4,8	4,8	4,8
	-16,7	-17,0	5,1	5,1	5,1	5,1	5,1	5,1
	-14,7	-15,0	5,4	5,4	5,4	5,4	5,4	5,4
	-12,6	-13,0	5,7	5,7	5,7	5,7	5,7	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
80	-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	-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

3TW25512-2B

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXCQ20,25,32M8



Nr.	Name	Description
1	Liquid pipe connection port	ø6.4 flare connection
2	Gas pipe connection port	ø12.7 flare connection
3	Drain pipe connection port	VP25 (O.D. ø32, I.D. ø25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	VP25 (O.D. ø32, I.D. ø25)
7	Port for water supply	
8	Drain hose	O.D. ø32
9	Socket for drain	

NOTES

1 Nameplate sticking position, Nameplate for cassette body
→ Filter install plate at the inside of the suction grille
Nameplate for decoration panel
→ Panel inner frame at the inside of the suction grille

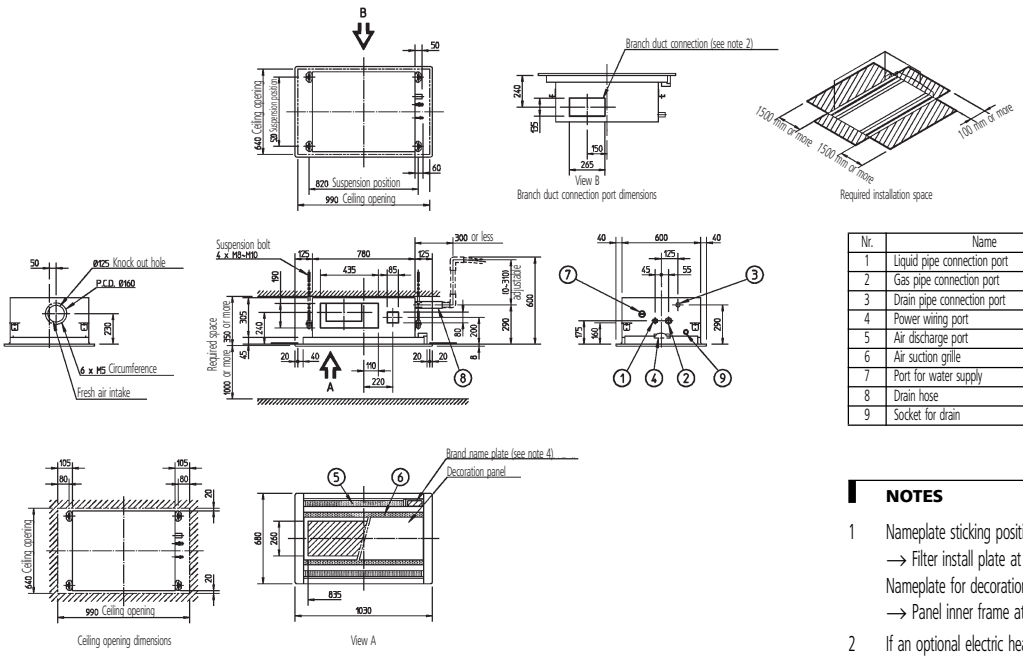
2 If an optional electric heater is installed, a branch duct cannot be connected for safety reasons.

3 When installing an optional accessory, refer to installation drawings.

4 In case of using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for details.

3TW25514-1

FXCQ40,50M8



Nr.	Name	Description
1	Liquid pipe connection port	ø6.4 flare connection
2	Gas pipe connection port	ø12.7 flare connection
3	Drain pipe connection port	VP25 (O.D. ø32, I.D. ø25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	VP25 (O.D. ø32, I.D. ø25)
7	Port for water supply	
8	Drain hose	O.D. ø32
9	Socket for drain	

NOTES

1 Nameplate sticking position, Nameplate for cassette body
→ Filter install plate at the inside of the suction grille
Nameplate for decoration panel
→ Panel inner frame at the inside of the suction grille

2 If an optional electric heater is installed, a branch duct cannot be connected for safety reasons.

3 When installing an optional accessory, refer to installation drawings.

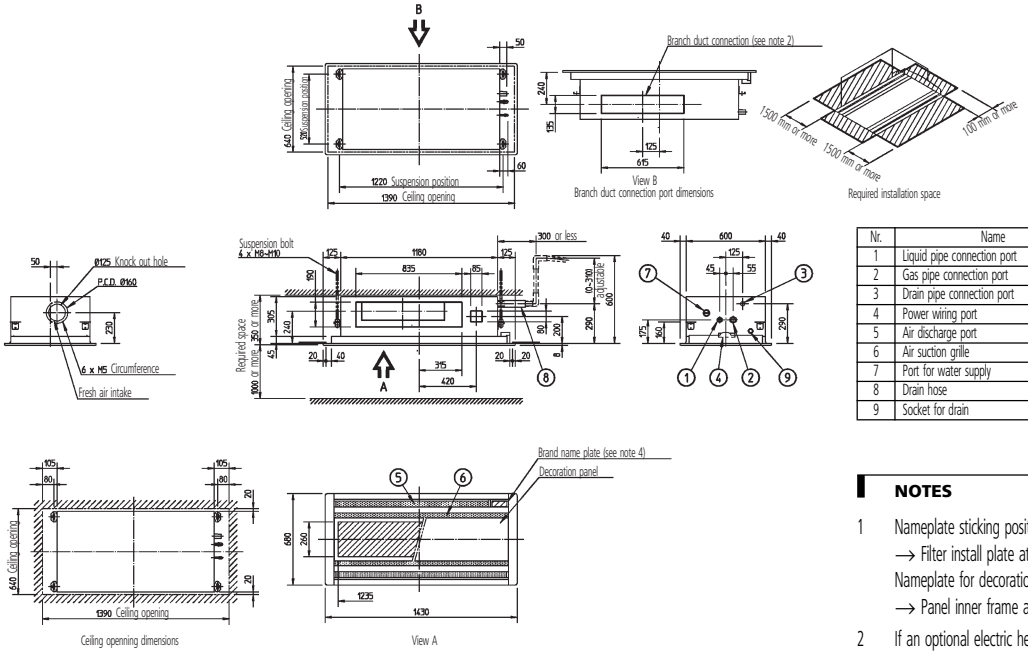
4 In case of using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for details.

3TW25544-1

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXCQ63M8



Nr.	Name	Description
1	Liquid pipe connection port	ø9.5 flare connection
2	Gas pipe connection port	ø15.9 flare connection
3	Drain pipe connection port	VP25 (O.D. ø32, I.D. ø25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	VP25 (O.D. ø32, I.D. ø25)
7	Port for water supply	
8	Drain hose	O.D. ø32
9	Socket for drain	

NOTES

1 Nameplate sticking position, Nameplate for cassette body
→ Filter install plate at the inside of the suction grille
Nameplate for decoration panel
→ Panel inner frame at the inside of the suction grille

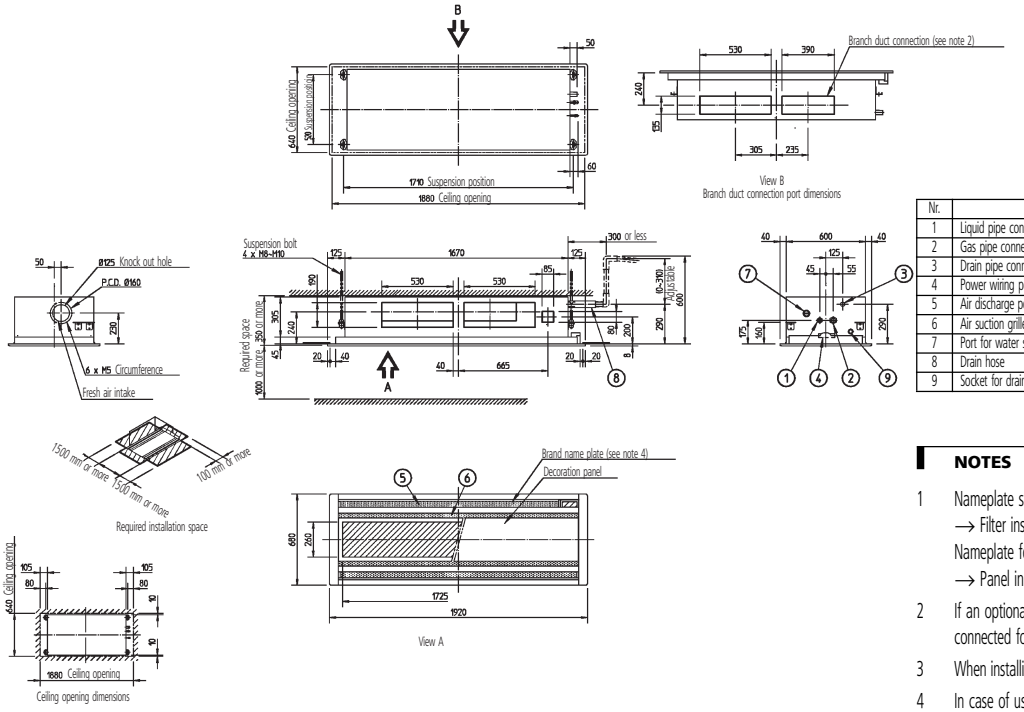
2 If an optional electric heater is installed, a branch duct cannot be connected for safety reasons.

3 When installing an optional accessory, refer to installation drawings.

4 In case of using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for details.

3TW25564-1

FXCQ80M8



Nr.	Name	Description
1	Liquid pipe connection port	ø9.5 flare connection
2	Gas pipe connection port	ø15.9 flare connection
3	Drain pipe connection port	VP25 (O.D. ø32, I.D. ø25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	VP25 (O.D. ø32, I.D. ø25)
7	Port for water supply	
8	Drain hose	O.D. ø32
9	Socket for drain	

NOTES

1 Nameplate sticking position, Nameplate for cassette body
→ Filter install plate at the inside of the suction grille
Nameplate for decoration panel
→ Panel inner frame at the inside of the suction grille

2 If an optional electric heater is installed, a branch duct cannot be connected for safety reasons.

3 When installing an optional accessory, refer to installation drawings.

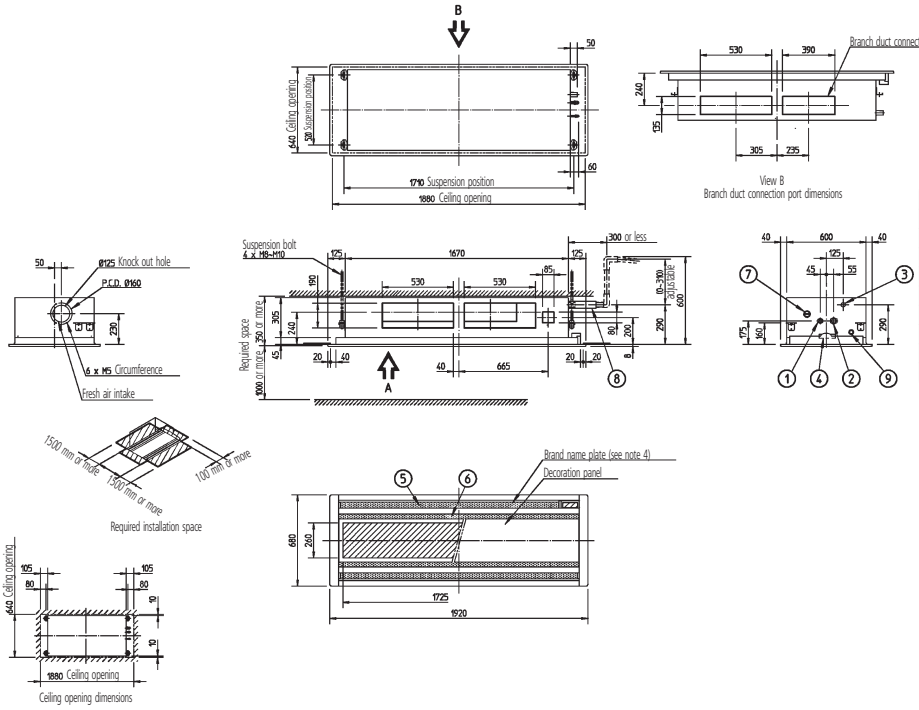
4 In case of using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for details.

3TW25574-1

6 Dimensional drawings

6 - 1 Dimensional Drawings

FXCQ125M8



Nr.	Name	Description
1	Liquid pipe connection port	ø9.5 flare connection
2	Gas pipe connection port	ø15.9 flare connection
3	Drain pipe connection port	VP25 (O.D. ø32, I.D. ø25)
4	Power wiring port	
5	Air discharge port	
6	Air suction grille	VP25 (O.D. ø32, I.D. ø25)
7	Port for water supply	
8	Drain hose	O.D. ø32
9	Socket for drain	

NOTES

1 Nameplate sticking position, Nameplate for cassette body
→ Filter install plate at the inside of the suction grille
Nameplate for decoration panel
→ Panel inner frame at the inside of the suction grille

2 If an optional electric heater is installed, a branch duct cannot be connected for safety reasons.

3 When installing an optional accessory, refer to installation drawings.

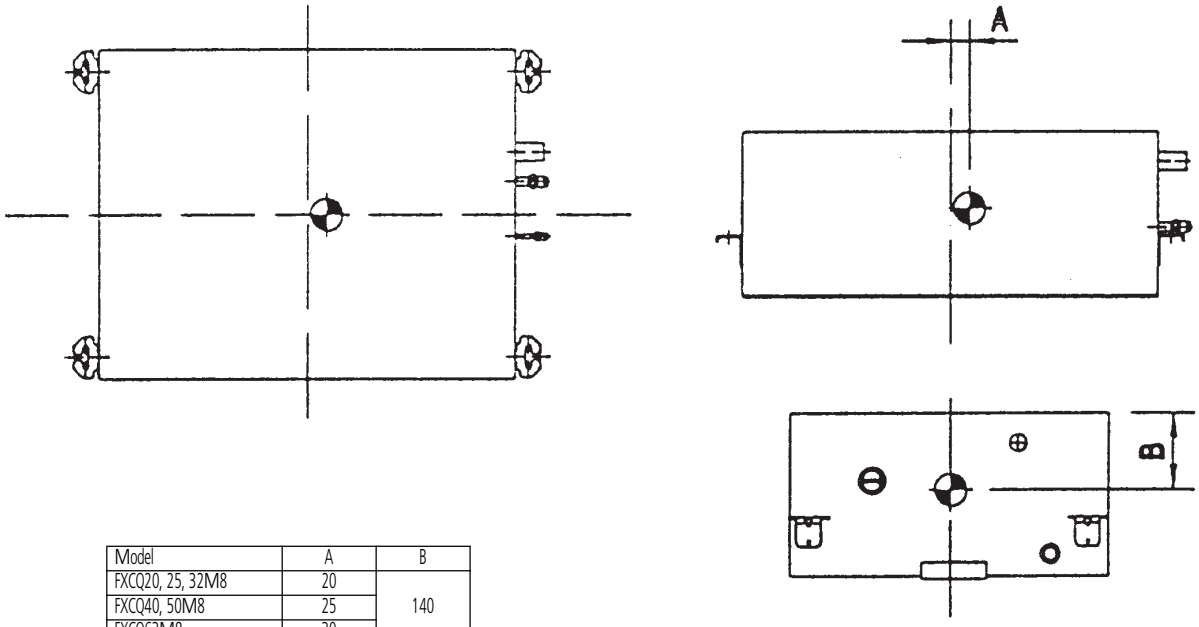
4 In case of using an infrared remote control, this position will be a signal receiver. Refer to the drawing of the infrared remote control for details.

3TW25584-1

7 Centre of gravity

7 - 1 Centre of Gravity

FXCQ-M8



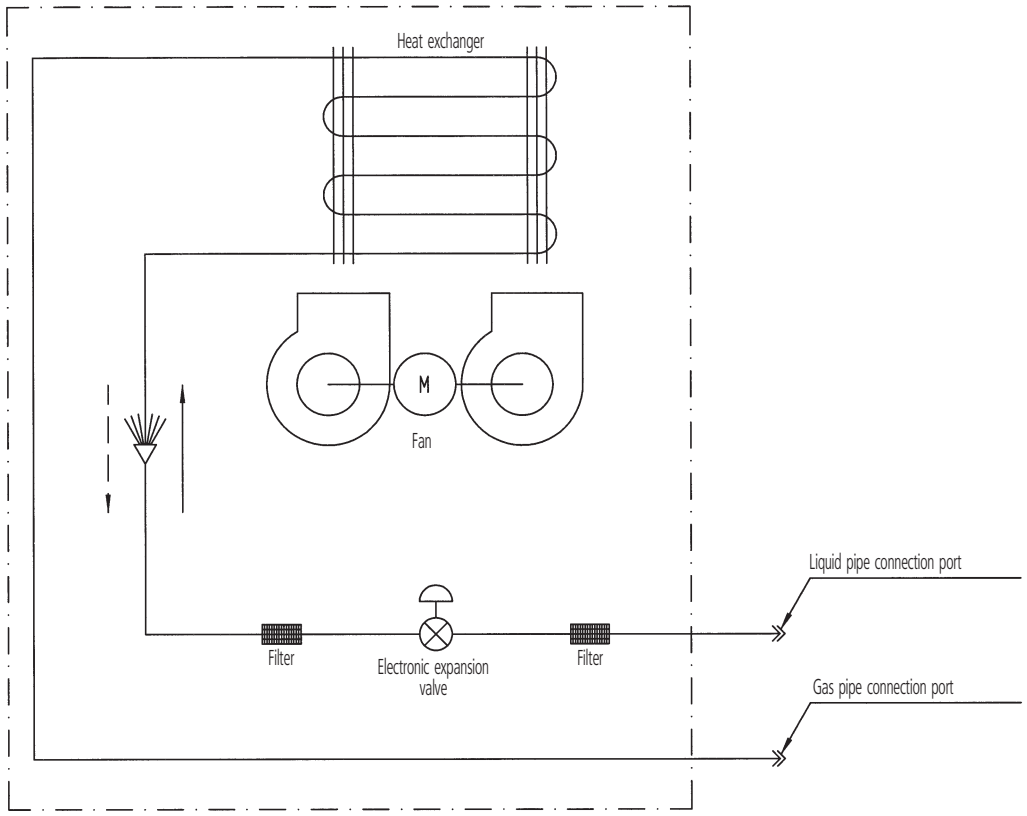
Model	A	B
FXCQ20, 25, 32M8	20	140
FXCQ40, 50M8	25	
FXCQ63M8	30	
FXCQ80, 125M8	35	150

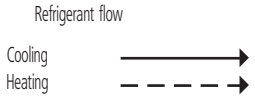
4TW25519-2

8 Piping diagrams

8 - 1 Piping Diagrams

FXCQ-M8





Piping connection diameter

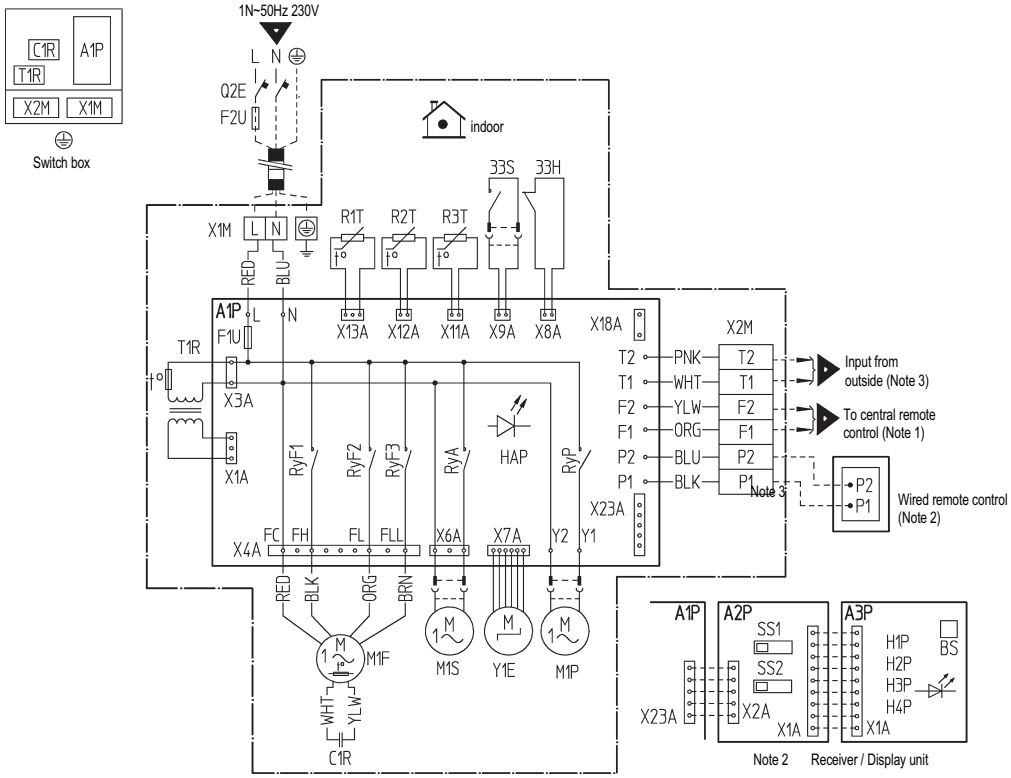
Model	Gas	Liquid
FXCQ20,25,32,40,50M8	ø12.7	ø6.4
FXCQ63,80,125M8	ø15.9	ø9.5

3TW25515-1

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXCQ20,25,32,63M8



33H	Float switch	R2T,R3T	Thermistor (Coil)	BS	On/off button
33S	Limit switch (Swing flap)	Q2E	Earth leak detector	H1P	Light emitting diode (On-red)
A1P	Printed circuit board	RyA	Magnetic relay (M1S)	H2P	Light emitting diode (Timer-green)
C1R	Capacitor (M1F)	RyF1-3	Magnetic relay (M1F)	H3P	Light emitting diode (filter sign-red)
F1T	Thermal fuse (152°C) (M1F Embedded)	RyP	Magnetic relay (M1P)	H4P	Light emitting diode (defrost-orange)
F1U	Fuse (250V)	T1R	Transformer (220-240V/22V)	SS1	Selector switch (main/sub)
F2U	Field fuse	X1M	Terminal strip (Power)	SS2	Selector switch (wireless address set)
HAP	Light emitting diode (service monitor-green)	X2M	Terminal strip (control)		Connector for optional parts
M1F	Motor (Indoor fan)	Y1E	Electronic expansion valve	X18A	Connector (wiring, adapter for electrical appendices)
M1S	Motor (Swing flap)	Receiver/Display unit (attached to infrared remote control)			
M1P	Motor (Drain pump)	A2P,A3P	Printed circuit board	X23A	Connector (infrared remote control)
R1T	Thermistor (Air)	Q2E	Earth leak detector		

	: Field wiring	Colors:	BLK:	Black	PNK: Pink
L	: Live		BLU:	Blue	RED: Red
N	: Neutral		BRN:	Brown	WHT: White
	: Connector		ORG:	Orange	YLW: Yellow
◦	: Wire clamp				
	: Protective earth (screw)				

2TW23776-1D

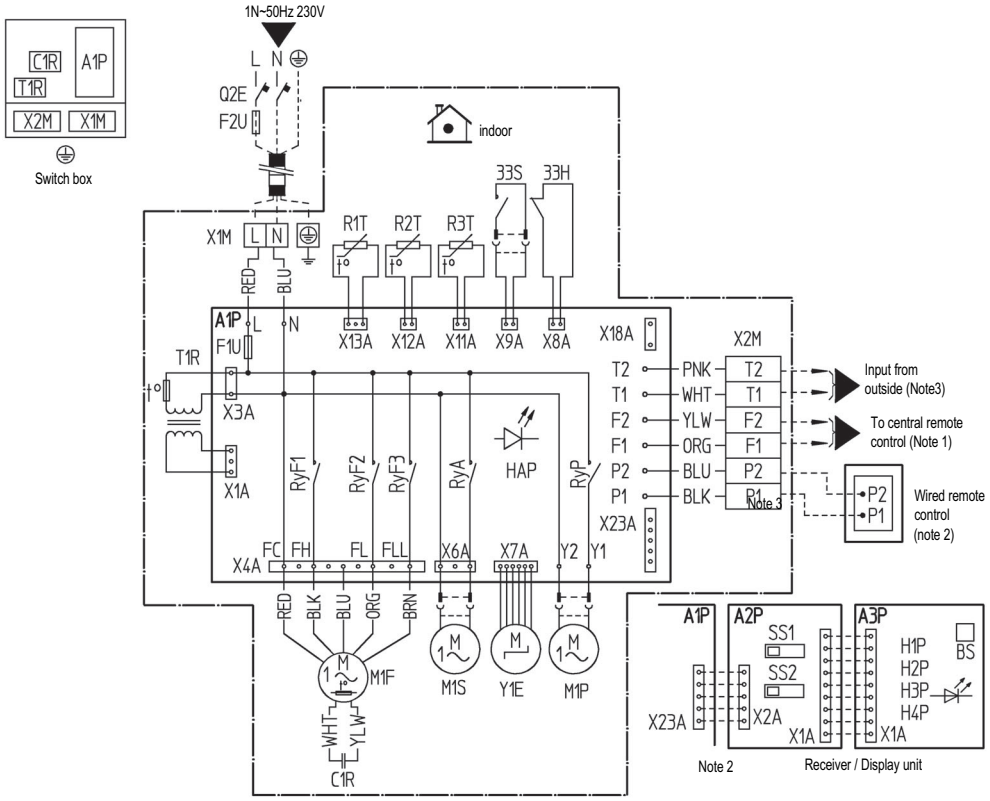
NOTES

1 When using the central remote control, see manual for connection to the unit.
2 X23A is connected when the wireless remote control kit is used.
3 When connecting the input wires from the outdoor unit, “forcedoff” or “on/off” operation can be selected by the remote control, for more details see installation manual.
4 Use copper conductors only.

9 Wiring diagrams

9 - 1 Wiring Diagrams - Single Phase

FXCQ40,50,80,125M8



33H	Float switch	R2T, R3T	thermistor (coil)	BS	On/off button
33S	Limit switch (Swing flap)	Q2E	Earth leak detector	H1P	Light emitting diode (on-red)
A1P	Printed circuit board	RyA	Magnetic relay (M1S)	H2P	Light emitting diode (timer-green)
C1R	Capacitor (M1F)	RyF1-3	Magnetic relay (M1F)	H3P	Light emitting diode (filter sign-red)
F1T	Thermal fuse (152°C)(M1F embedded)	RyP	Magnetic relay (M1P)	H4P	Light emitting diode (defrost-orange)
F1U	Fuse (250V, 5A)	T1R	Transformer (220-240V/22V)	SS1	Selector switch (main/sub)
F2U	Field fuse	X1M	Terminal strip (power)	SS2	Selector switch (Wireless address set)
HAP	Light emitting diode (service monitor green)	X2M	Terminal strip (control)		Connector for optional parts
M1F	Motor (Indoor fan)	Y1E	Electronic expansion valve	X18A	Connector (wiring, adaptor for electrical appendices)
M1S	Motor (Swing flap)		Receiver/display unit (attached to wireless remote control)		
M1P	Motor (drain pump)			X23A	Connector (wireless remote control)
R1T	Thermistor (air)	A2P, A3P	printed circuit board		

: Field wiring
L : Live
N : Neutral
: Connector
: Wire clamp
: Protective earth (screw)

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

2TW23806-1D

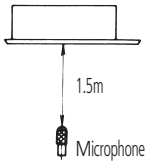
NOTES

1 When using the central remote control, see manual for connection to the unit.
2 X23A is connected when the wireless remote control kit is used.
3 When the connecting the input wires from the outdoor unit,"forced off" or "on/off operation can be selected by the remote control for more details see installation manual.
4 Use copper conductors only.

10 Sound data

10 - 1 Sound Level Data

FXCQ-M8

Model	Sound pressure level - 230V			Sound power level
	H	L	Measuring location	
FXCQ20M8	33	28		45
FXCQ25M8	35	29		50
FXCQ32M8	35	29		50
FXCQ40M8	35.5	30.5		50
FXCQ50M8	35.5	30.5		50
FXCQ63M8	38	33		52
FXCQ80M8	40	35		54
FXCQ125M8	45	39		60

NOTES

1 dBA = A-weighted sound pressure level (A-scale according to IEC).

2 Reference acoustic pressure 0 dB = 20 Pa.

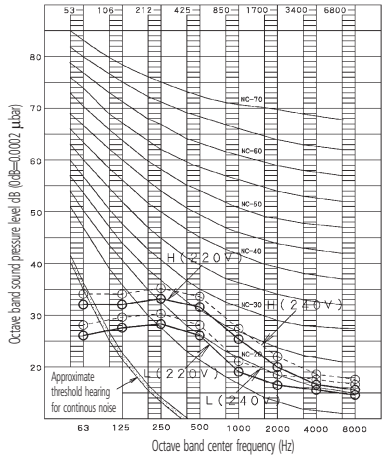
3 These operating values were obtained in a dead room (conversion values). Noise values will vary depending on a range of factors such as the construction of the particular room in which the equipment is installed.

4 Operating noise differs with operation and ambient conditions.

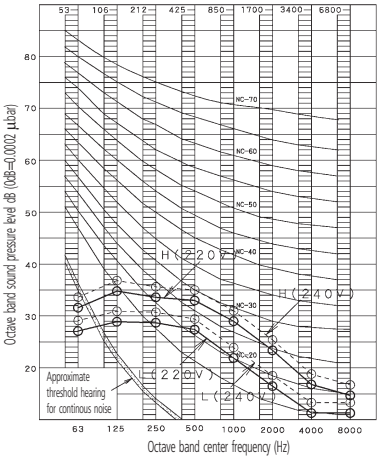
10 Sound data

10 - 2 Sound Pressure Spectrum

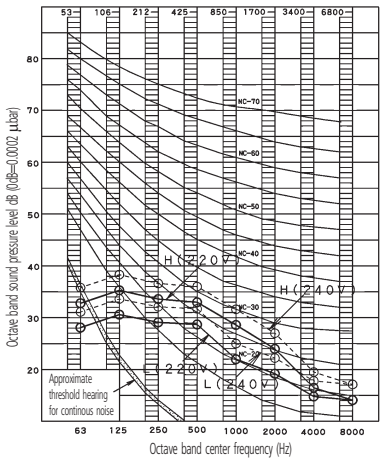
FXCQ20M8 4D034329



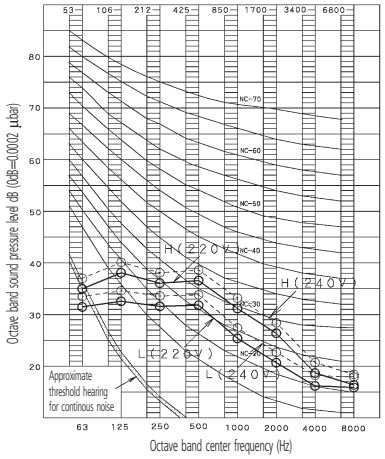
FXCQ25,32M8 4D034330



FXCQ40,50M8 4D034331



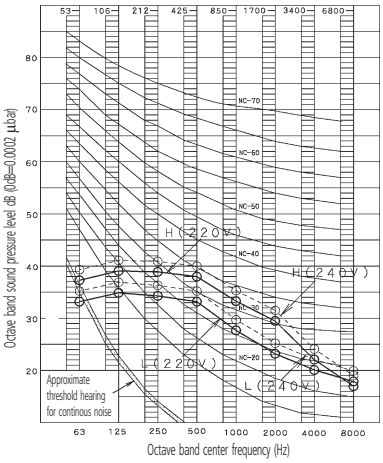
FXCQ63M8 4D034332



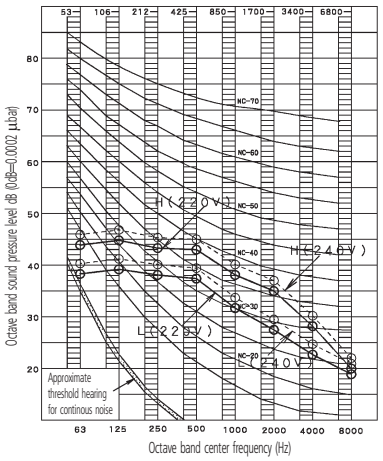
10 Sound data

10 - 2 Sound Pressure Spectrum

FXCQ80M8 4D034333



FXCQ125M8 4D034334



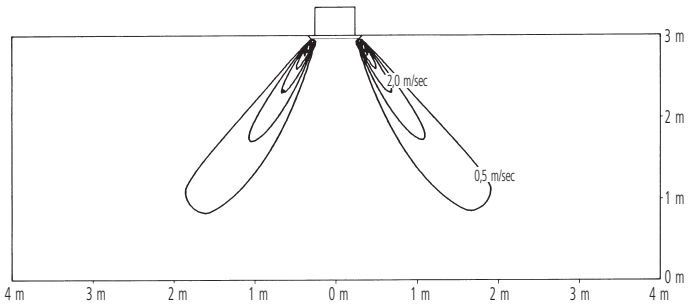
11 Air flow patterns

11 - 1 Air Flow Pattern - Cooling

FXCQ63M8

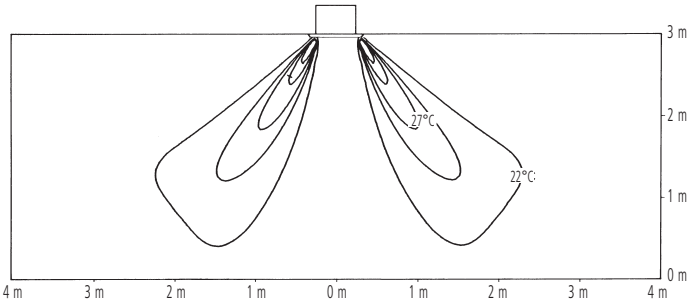
Heating air velocity distribution

Discharge angle: 60°



Heating temperature distribution

Discharge angle: 60°



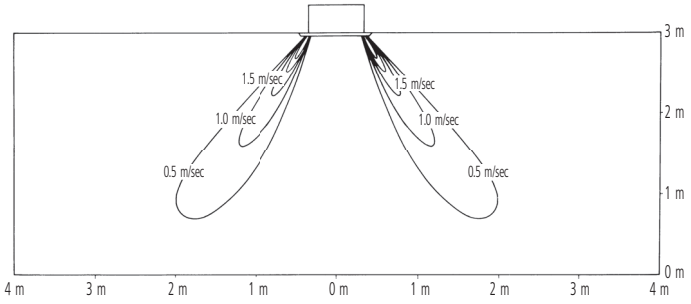
NOTES

1 The standard set-up height of the 2-way blow type is 3 m maximum. Shown here is the measurement distribution at a ceiling height of 3 m.

FXCQ125M8

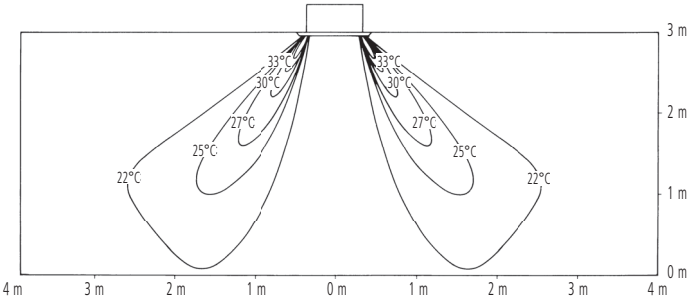
Heating air velocity distribution

Discharge angle: 60°



Heating temperature distribution

Discharge angle: 60°



NOTES

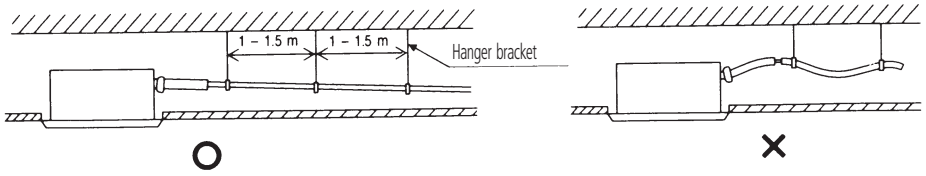
1 The standard set-up height of the 2-way blow type is 3 m maximum. Shown here is the measurement distribution at a ceiling height of 3 m.

12 Installation

12 - 1 Drainage Instructions

Rig drain piping

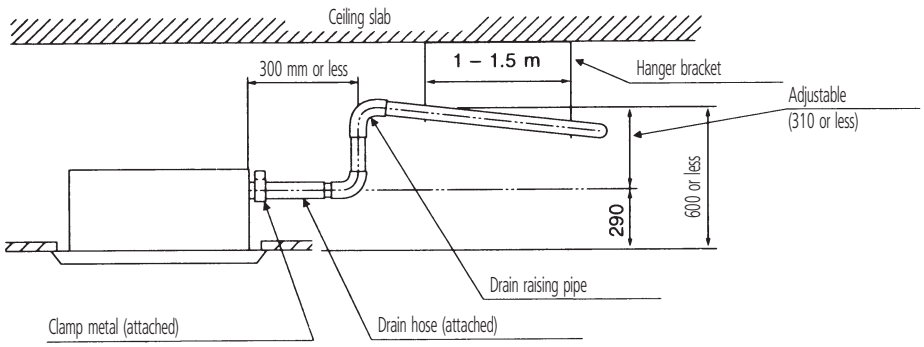
- The diameter of the drain pipe should be greater than or equal to the diameter of the connecting pipe (vinyl tube; pipe size: 25 mm; outer dimension: 32 mm).
- Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent the formation of air pockets.
- If the drain hose cannot be sufficiently set on a slope, execute the drain raising piping.
- To keep the drain hose from sagging, space hanging wires every 1 to 1.5 m.



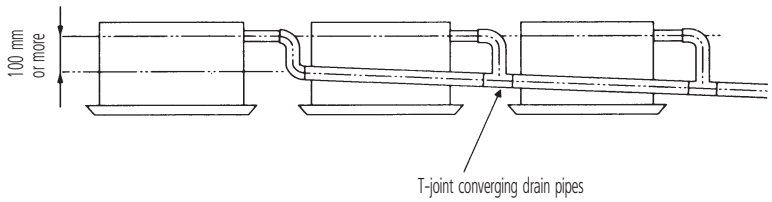
- Use the attached drain hose and clamp metal. Insert the drain hose into the drain socket, up to the white tape. Tighten the clamp until the screw head is less than 4 mm from the hose.
- Wrap the attached sealing pad over the clamp and drain hose to insulate.
- Insulate the drain hose inside the building.

precautions for drain raising piping

- Install the drain raising pipes at a height of less than 310 mm.
- Install the drain raising pipes at a right angle to the indoor unit and no more than 300 mm from the unit.



- If converging multiple drain pipes, install according to the procedure shown below.



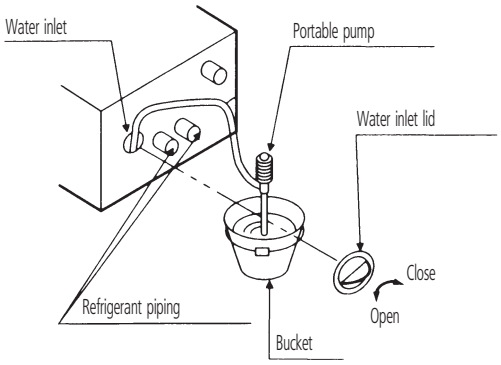
- Select converging drain pipes whose gauge is suitable for the operating capacity of the unit.

12 Installation

12 - 1 Drainage Instructions

After piping work is finished, check if drainage flows smoothly

- Open the water inlet lid, add approximately 2500 cc of water gradually and check drainage flow.

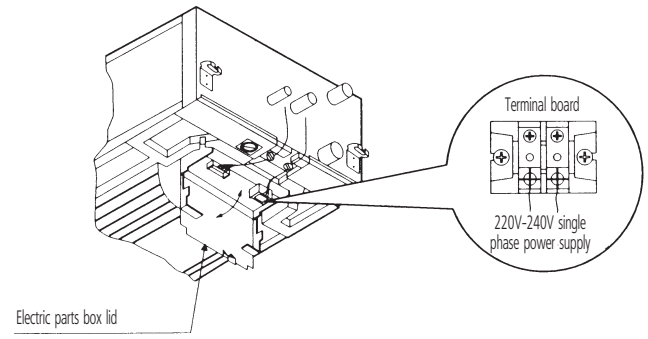


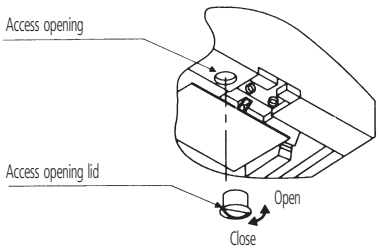
When electric wiring work is finished

- Check drainage flow during COOL running, explained under "TEST OPERATION".

When electric wiring work is not finished

- Remove the electric parts box lid, connect power supply and remote control to the terminals. (Refer to the installation manual)
- Next, press the inspection/test operation button " TEST " on the remote control. The unit will engage the test operation mode. Press the operation mode selector button " " until selection FAN operation " ". Then, press the ON/OFF button " ". The indoor unit fan and drain pump will start up. Check that the water has drained from the unit. Press " TEST " to go back to the first mode.
- You can check whether drainage is satisfactory or not by removing the access opening lid and checking the water level of the drain pan through the access opening.
- Be careful when doing so because the fan is turning at the same time.





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