DAIKIN

technical data

air conditioning systems

Concealed Ceiling Unit (Large)

FXMQ-MAVE

VRV® III-S
VRV® III
VRV® II
VRV®-W II

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FXMQ-MAVE

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXMQ40MAVE	FXMQ50MAVE	FXMQ63MAVE	FXMQ80MAVE
Nominal Capacity	Cooling		kW	4.50	5.60	7.10	9.00
	Heating		kW	5.00	6.30	8.00	10.00
Power input (Nominal)	Cooling		kW	0.211	0.211	0.211	0.284
	Heating		kW	0.211	0.211	0.211	0.284
Casing	Material			Galvanised steel			
Dimensions	Unit	Height	mm	390	390	390	390
		Width	mm	720	720	720	720
		Depth	mm	690	690	690	690
Weight	Unit		kg	44	44	44	45
Heat Exchanger	Dimensions	Nr of Rows		3	3	3	3
		Fin Pitch	mm	2.00	2.00	2.00	2.00
		Face Area	m²	0.181	0.181	0.181	0.181
		Nr of Stages		16	16	16	16
Fan	Type			Sirocco fan			
	Quantity			1	1	1	1
Air Flow Rate	Cooling	High	m³/min	14.00	14.00	14.00	19.50
		Low	m³/min	11.50	11.50	11.50	16.00
Fan	External static pressure	High	Pa	157	157	157	157
		Standard	Pa	118	118	118	108
	Motor	Quantity		1	1	1	1
		Model		D11/2D3AB1VE	D11/2D3AB1VE	D11/2D3AB1VE	D11/2D3AA1VE
		Output (high)	W	100	100	100	160
		Drive		Direct drive			
Refrigerant	Name			R-410A			
Cooling	Sound Pressure	High	dBA	39.0	39.0	39.0	42.0
		Low	dBA	35.0	35.0	35.0	38.0
Piping connections	Liquid (OD)	Type		Flare connection			
		Diameter	mm	6.4	6.4	9.5	9.5
	Gas	Type		Flare connection			
		Diameter	mm	12.7	12.7	15.9	15.9
	Drain	Diameter	mm	32	32	32	32
	Heat Insulation			Glass fiber			
Refrigerant control				Electronic expansion valve			
Temperature control				Microprocessor thermostat for cooling and heating			
Safety devices				PC board fuse			
				Fan motor thermal protector			
Standard Accessories	Standard Accessories			Installation and operation manual			
				Drain hose			
				Sealing Pads			
				Clamps			
				Screws			
				Insulation for fitting			
				Clamp metal			
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.			
				The external static pressure is changeable : change the connectors inside the electrical box, this pressure means : High static pressure -standard			
				Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its colorimetric method(gravity method) 50% or more.			
				Sound pressure levels are measured at 220V			

1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXMQ100MAVE	FXMQ125MAVE	FXMQ200MAVE	FXMQ250MAVE
Nominal Capacity	Cooling		kW	11.20	14.00	22.40	28.00
	Heating		kW	12.50	16.00	25.00	31.50
Power input (Nominal)	Cooling		kW	0.411	0.619	1.294	1.465
	Heating		kW	0.411	0.619	1.294	1.465
Casing	Material			Galvanised steel			
Dimensions	Unit	Height	mm	390	390	470	470
		Width	mm	1110	1110	1380	1380
		Depth	mm	690	690	1100	1100
Weight	Unit		kg	63	65	137	137
Heat Exchanger	Dimensions	Nr of Rows		3	3	3	3
		Fin Pitch	mm	2.00	2.00	2.00	2.00
		Face Area	m²	0.319	0.319	0.68	0.68
		Nr of Stages		16	16	26	26
Fan	Type			Sirocco fan			
	Quantity			1	1	2	2
Air Flow Rate	Cooling	High	m³/min	29.00	36.00	58.00	72.00
		Low	m³/min	23.00	29.00	50.00	62.00
Fan	External static pressure	High	Pa	157	191	221	270
		Standard	Pa	98	152	132	147
	Motor	Quantity		1	1	2	2
		Model		2D11/2D3AG1VE	2D11/2D3AF1VE	D13/4G2DA1	D13/4G2DA1
		Output (high)	W	270	430	380	380
		Drive		Direct drive			
Refrigerant	Name			R-410A			
Cooling	Sound Pressure	High	dBA	43.0	45.0	48.0	48.0
		Low	dBA	39.0	42.0	45.0	45.0
Piping connections	Liquid (OD)	Type		Flare connection			
		Diameter	mm	9.5	9.5	9.5	9.5
	Gas	Type		Flare connection	Flare connection	Braze connection	Braze connection
		Diameter	mm	15.9	15.9	19.1	22.2
	Drain	Diameter	mm	32	32	PS1B	PS1B
	Heat Insulation			Glass fiber			
Refrigerant control				Electronic expansion valve			
Temperature control				Microprocessor thermostat for cooling and heating			
Safety devices				PC board fuse			
				Fan motor thermal protector			
Standard Accessories	Standard Accessories			Installation and operation manual			
				Drain hose		Connection pipes	
				Sealing Pads			
				Clamps			
				Screws			
				Insulation for fitting			
				Clamp metal			
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.			
				The external static pressure is changeable : change the connectors inside the electrical box, this pressure means : High static pressure -standard			
				Air filter is not standard accessory, but please mount it in the duct system of the suction side. Select its colorimetric method(gravity method) 50% or more.			
				Sound pressure levels are measured at 220V			
				FXMQ200,250MAVE cannot be connected to VRVIII-S			

1 Specifications

1-2 ELECTRICAL SPECIFICATIONS			FXMQ40MAVE	FXMQ50MAVE	FXMQ63MAVE	FXMQ80MAVE
Power Supply	Name		VE			
	Phase		1	1	1	1
	Frequency	Hz	50	50	50	50
	Voltage	V	220-240			
Current	Minimum circuit amps (MCA)	A	1.30	1.30	1.30	1.50
	Maximum fuse amps (MFA)	A	15.00	15.00	15.00	15.00
	Full load amps (FLA)	A	1.00	1.00	1.00	1.20
Voltage range	Minimum	V	-10%			
	Maximum	V	+10%			
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.			
			Maximum allowable voltage range variation between phases is 2%.			
			MCA/MFA : MCA = 1.25 x FLA			
			MFA<= 4 x FLA			
			next lower standard fuse rating minimum 15A			
			select wire size based on the MCA			
			instead of a fuse, use a circuit breaker			
			For more details concerning conditional connections, see http://extranet.daikineurope.com, select "E-Data Books". Finally, click on the document title of your choice.			

1-2 ELECTRICAL SPECIFICATIONS			FXMQ100MAVE	FXMQ125MAVE	FXMQ200MAVE	FXMQ250MAVE
Power Supply	Name		VE			
	Phase		1	1	1	1
	Frequency	Hz	50	50	50	50
	Voltage	V	220-240			
Current	Minimum circuit amps (MCA)	A	2.50	3.80	8.10	9.00
	Maximum fuse amps (MFA)	A	15.00	15.00	15.00	15.00
	Full load amps (FLA)	A	2.00	3.00	6.50	7.20
Voltage range	Minimum	V	-10%			
	Maximum	V	+10%			
Notes			Voltage range : units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.			
			Maximum allowable voltage range variation between phases is 2%.			
			MCA/MFA : MCA = 1.25 x FLA			
			MFA<= 4 x FLA			
			next lower standard fuse rating minimum 15A			
			select wire size based on the MCA			
			instead of a fuse, use a circuit breaker			
			For more details concerning conditional connections, see http://extranet.daikineurope.com, select "E-Data Books". Finally, click on the document title of your choice.			

2 Safety device settings

		FXMQ40MA	FXMQ50MA	FXMQ63MA	FXMQ80MA	FXMQ100MA	FXMQ125MA	FXMQ200MA	FXMQ250MA
PC BOARD FUSE		250V 10A							
FAN MOTOR THERMAL PROTECTOR	°C	OFF: $135^{\pm 8}$, ON: $87^{\pm 15}$							

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3 Options

	FXMQ40MA	FXMQ50MA	FXMQ63MA	FXMQ80MA	FXMQ100MA	FXMQ125MA	FXMQ200MA	FXMQ250MA
DRAIN PUMP KIT	KDU30L125VE						KDU30L250VE	
HIGH EFFICIENCY FILTER 65%	KAFP372A80				KAFP372A160		KAFJ372L280	
HIGH EFFICIENCY FILTER 90%	KAFP373A80				KAFP373A160		KAFJ373L280	
FILTER CHAMBER	KDDFP37A80				KDDFP37A160		KDJ3705L280	
REPLACEMENT LONG LIFE FILTER	KAFP371A80				KAFP371A160		KAFJ371L280	

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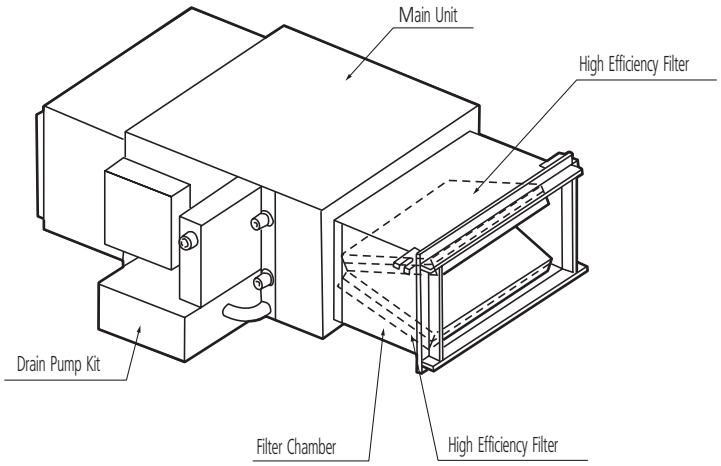

4 Control systems

Individual control systems

		FXMQ40MA	FXMQ50MA	FXMQ63MA	FXMQ80MA	FXMQ100MA	FXMQ125MA	FXMQ200MA	FXMQ250MA
WIRED REMOTE CONTROL		BRC1D52							
INFRARED REMOTE CONTROL	Heat pump	BRC4C62							
	Cooling only	BRC4C64							
SIMPLIFIED REMOTE CONTROL		BRC2A51							
REMOTE CONTROL FOR HOTEL USE		BRC3A61							

Centralised control systems

	FXMQ40MA	FXMQ50MA	FXMQ63MA	FXMQ80MA	FXMQ100MA	FXMQ125MA	FXMQ200MA	FXMQ250MA
CENTRALISED REMOTE CONTROL	DCS302C51							
UNIFIED ON/OFF CONTROL	DCS301B51							
SCHEDULE TIMER	DST301B51							

Others

	FXMQ40MA	FXMQ50MA	FXMQ63MA	FXMQ80MA	FXMQ100MA	FXMQ125MA	FXMQ200MA	FXMQ250MA
WIRING ADAPTER	KRP1B61							
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)	KRP2A61							
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)	KRP4A51							
REMOTE SENSOR	KRCS01-1							
ELECTRICAL BOX WITH EARTH TERMINAL (3 BLOCKS)	KJB311A							
ELECTRICAL BOX WITH EARTH TERMINAL (2 BLOCKS)	KJB212A							
NOISE FILTER (FOR ELECTROMAGNETIC INTERFACE USE ONLY)	KEK26-1A							
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)	DTA104A61							

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5 Capacity tables

5 - 1 Cooling capacity tables

FXMQ-MA

TC: Total capacity;kW – SHC: Sensible capacity;kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
40	4.5	10.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.4	3.7	5.9	3.7
		12.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.4	3.7	5.8	3.7
		14.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.4	3.7	5.8	3.7
		16.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.4	3.7	5.7	3.6
		18.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.4	3.7	5.6	3.6
		20.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.4	3.7	5.5	3.5
		21.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.4	3.7	5.5	3.5
		23.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.3	3.6	5.4	3.4
		25.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.2	3.6	5.3	3.4
		27.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.2	3.5	5.3	3.4
		29.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.1	3.5	5.2	3.4
		31.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	5.0	3.5	5.1	3.3
		33.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.8	3.6	4.9	3.4	5.0	3.3
		35.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.7	3.6	4.9	3.4	5.0	3.3
		37.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.5	4.7	3.5	4.8	3.4	4.9	3.3
		39.0	3.0	2.9	3.6	3.1	4.2	3.5	4.5	3.6	4.6	3.5	4.7	3.4	4.8	3.2
50	5.6	10.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	7.4	4.3
		12.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	7.3	4.3
		14.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	7.2	4.2
		16.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	7.1	4.2
		18.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	7.0	4.1
		20.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	6.9	4.1
		21.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.7	4.3	6.8	4.0
		23.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.6	4.2	6.7	4.0
		25.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.5	4.2	6.6	4.0
		27.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.4	4.1	6.6	3.9
		29.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.3	4.1	6.5	3.9
		31.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.2	4.0	6.4	3.8
		33.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	6.0	4.2	6.1	4.0	6.3	3.8
		35.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	5.9	4.1	6.0	4.0	6.2	3.8
		37.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	5.8	4.1	5.9	3.9	6.1	3.7
		39.0	3.8	3.3	4.5	3.6	5.2	4.0	5.6	4.1	5.7	4.0	5.8	3.9	6.0	3.7
63	7.1	10.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.5	4.8	9.3	4.9
		12.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.5	4.8	9.2	4.9
		14.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.5	4.8	9.1	4.8
		16.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.5	4.8	9.0	4.8
		18.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.5	4.8	8.8	4.8
		20.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.5	4.8	8.7	4.7
		21.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.5	4.8	8.7	4.7
		23.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.4	4.8	8.5	4.6
		25.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.3	4.7	8.4	4.6
		27.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.1	4.7	8.3	4.6
		29.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	8.0	4.7	8.2	4.5
		31.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	7.9	4.6	8.1	4.5
		33.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.6	4.6	7.8	4.6	7.9	4.4
		35.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.5	4.6	7.7	4.5	7.8	4.4
		37.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.4	4.6	7.5	4.5	7.7	4.3
		39.0	4.8	3.8	5.7	4.2	6.6	4.6	7.1	4.6	7.2	4.6	7.4	4.4	7.6	4.3
80	9.0	10.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.8	6.2	11.8	6.4
		12.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.8	6.2	11.7	6.3
		14.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.8	6.2	11.5	6.3
		16.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.8	6.2	11.4	6.2
		18.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.8	6.2	11.2	6.2
		20.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.8	6.2	11.1	6.1
		21.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.8	6.2	11.0	6.1
		23.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.6	6.2	10.8	6.0
		25.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.5	6.1	10.7	6.0
		27.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.3	6.1	10.5	5.9
		29.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.2	6.0	10.4	5.9
		31.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	10.0	6.0	10.2	5.8
		33.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.6	6.0	9.8	5.9	10.1	5.7
		35.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.5	6.0	9.7	5.9	9.9	5.7
		37.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.3	5.9	9.5	5.8	9.8	5.6
		39.0	6.1	4.9	7.2	5.4	8.4	5.9	9.0	6.0	9.2	5.9	9.4	5.8	9.6	5.6

5 Capacity tables

5 - 1 Cooling capacity tables

FXMQ-MA

TC: Total capacity;kW – SHC: Sensible capacity;kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
100	11.2	10.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.4	8.7	14.7	8.8
		12.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.4	8.7	14.5	8.7
		14.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.4	8.7	14.4	8.6
		16.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.4	8.7	14.2	8.5
		18.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.4	8.7	14.0	8.4
		20.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.4	8.7	13.8	8.2
		21.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.4	8.7	13.7	8.2
		23.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.2	8.6	13.5	8.1
		25.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	13.0	8.5	13.3	8.0
		27.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	12.8	8.3	13.1	7.9
		29.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	12.6	8.3	12.9	7.9
		31.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	12.4	8.2	12.7	7.8
		33.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.9	8.5	12.2	8.2	12.5	7.7
		35.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.8	8.4	12.1	8.1	12.3	7.6
		37.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.6	8.3	11.9	8.1	12.2	7.6
		39.0	7.6	6.7	9.0	7.4	10.5	8.3	11.2	8.3	11.4	8.3	11.7	8.0	12.0	7.6
125	14.0	10.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.8	10.8	18.4	10.9
		12.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.8	10.8	18.2	10.8
		14.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.8	10.8	18.0	10.7
		16.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.8	10.8	17.7	10.5
		18.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.8	10.8	17.5	10.4
		20.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.8	10.8	17.2	10.2
		21.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.8	10.8	17.1	10.2
		23.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.5	10.7	16.9	10.1
		25.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.3	10.5	16.6	10.0
		27.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	16.1	10.4	16.4	9.9
		29.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	15.8	10.2	16.2	9.9
		31.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	15.6	10.1	15.9	9.8
		33.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.9	10.4	15.3	10.0	15.7	9.7
		35.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.8	10.4	15.1	10.0	15.4	9.6
		37.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.2	14.5	10.3	14.9	9.9	15.2	9.5
		39.0	9.5	8.2	11.3	9.1	13.1	10.0	14.0	10.3	14.3	10.1	14.6	9.8	15.0	9.4
200	22.4	10.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	29.4	17.8
		12.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	29.0	17.6
		14.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	28.7	17.4
		16.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	28.3	17.2
		18.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	27.9	16.9
		20.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	27.5	16.7
		21.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.8	17.6	27.4	16.6
		23.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.4	17.3	27.0	16.4
		25.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	26.1	17.1	26.6	16.2
		27.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	25.7	16.8	26.2	16.1
		29.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	25.3	16.6	25.8	15.9
		31.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	24.9	16.4	25.4	15.7
		33.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.8	17.0	24.5	16.3	25.0	15.6
		35.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.6	17.0	24.2	16.1	24.6	15.4
		37.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	23.2	16.8	23.8	16.0	24.3	15.3
		39.0	15.1	13.4	18.0	14.9	21.0	16.3	22.4	16.8	22.8	16.6	23.4	15.8	23.9	15.1
250	28.0	10.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	36.8	22.1
		12.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	36.3	21.8
		14.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	35.9	21.6
		16.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	35.4	21.3
		18.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	34.9	21.0
		20.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	34.4	20.7
		21.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.5	22.1	34.2	20.6
		23.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	33.0	21.7	33.7	20.3
		25.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	32.6	21.5	33.2	20.2
		27.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	32.1	21.2	32.8	20.0
		29.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	31.6	20.9	32.3	19.9
		31.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	31.1	20.6	31.8	19.7
		33.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.8	21.2	30.6	20.4	31.3	19.5
		35.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.5	21.1	30.2	20.2	30.8	19.4
		37.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	20.9	29.0	20.9	29.7	20.0	30.4	19.2
		39.0	18.9	16.9	22.5	18.5	26.2	20.4	28.0	21.0	28.5	20.6	29.2	19.8	29.9	19.0

5 Capacity tables

5 - 2 Heating capacity tables

FXMQ-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
40	5.0	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
		-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
		-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
		-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
		-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
		-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
		-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
		-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
		-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
		-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
		-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
		0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
		3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
		5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
		7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
		9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
		11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
		13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
		15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4
50	6.3	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	4.2
		-12.6	-13.0	4.5	4.5	4.5	4.5	4.5	4.5
		-10.5	-11.0	4.7	4.7	4.7	4.7	4.7	4.7
		-9.5	-10.0	4.8	4.8	4.8	4.8	4.8	4.8
		-8.5	-9.1	4.9	4.9	4.9	4.9	4.9	4.9
		-7.0	-7.6	5.1	5.1	5.1	5.1	5.1	5.1
		-5.0	-5.6	5.3	5.3	5.3	5.3	5.3	5.3
		-3.0	-3.7	5.5	5.5	5.5	5.5	5.5	5.5
		0.0	-0.7	5.9	5.9	5.8	5.8	5.8	5.5
		3.0	2.2	6.2	6.2	6.2	6.1	5.9	5.5
		5.0	4.1	6.4	6.4	6.3	6.1	5.9	5.5
		7.0	6.0	6.6	6.6	6.3	6.1	5.9	5.5
		9.0	7.9	6.8	6.7	6.3	6.1	5.9	5.5
		11.0	9.8	7.0	6.7	6.3	6.1	5.9	5.5
		13.0	11.8	7.1	6.7	6.3	6.1	5.9	5.5
		15.0	13.7	7.1	6.7	6.3	6.1	5.9	5.5
63	8.0	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
		-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
		-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
		-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
		-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
		-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
		-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
		-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
		-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
		-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
		-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
		0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
		3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
		5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
		7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
		9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
		11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
		13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
		15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0
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

5 Capacity tables

5 - 2 Heating capacity tables

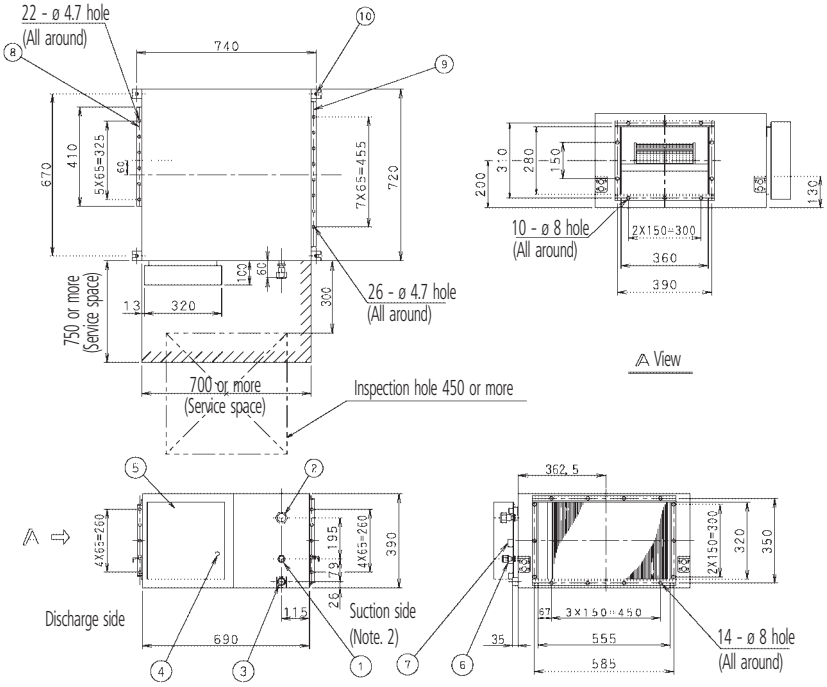
FXMQ-MA

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
100	12.5	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3	7.3
		-18.8	-19.0	7.6	7.6	7.6	7.5	7.5	7.5
		-16.7	-17.0	8.0	8.0	8.0	8.0	8.0	8.0
		-14.7	-15.0	8.5	8.5	8.4	8.4	8.4	8.4
		-12.6	-13.0	8.9	8.9	8.9	8.9	8.9	8.8
		-10.5	-11.0	9.4	9.3	9.3	9.3	9.3	9.3
		-9.5	-10.0	9.6	9.6	9.5	9.5	9.5	9.5
		-8.5	-9.1	9.8	9.8	9.7	9.7	9.7	9.7
		-7.0	-7.6	10.1	10.1	10.1	10.1	10.1	10.0
		-5.0	-5.6	10.6	10.5	10.5	10.5	10.5	10.5
		-3.0	-3.7	11.0	11.0	10.9	10.9	10.9	10.9
		0.0	-0.7	11.6	11.6	11.6	11.6	11.6	10.9
		3.0	2.2	12.3	12.3	12.2	12.1	11.7	10.9
		5.0	4.1	12.7	12.7	12.5	12.1	11.7	10.9
		7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
		9.0	7.9	13.5	13.3	12.5	12.1	11.7	10.9
		11.0	9.8	14.0	13.3	12.5	12.1	11.7	10.9
		13.0	11.8	14.1	13.3	12.5	12.1	11.7	10.9
		15.0	13.7	14.1	13.3	12.5	12.1	11.7	10.9
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
200	25.0	-19.8	-20.0	14.8	14.7	14.7	14.7	14.6	14.6
		-18.8	-19.0	15.2	15.2	15.1	15.1	15.1	15.0
		-16.7	-17.0	16.1	16.0	16.0	16.0	16.0	15.9
		-14.7	-15.0	17.0	16.9	16.9	16.9	16.8	16.8
		-12.6	-13.0	17.9	17.8	17.8	17.7	17.7	17.7
		-10.5	-11.0	18.7	18.7	18.6	18.6	18.6	18.6
		-9.5	-10.0	19.2	19.1	19.1	19.1	19.0	19.0
		-8.5	-9.1	19.6	19.5	19.5	19.5	19.4	19.4
		-7.0	-7.6	20.2	20.2	20.2	20.1	20.1	20.1
		-5.0	-5.6	21.1	21.1	21.0	21.0	21.0	20.9
		-3.0	-3.7	22.0	21.9	21.9	21.9	21.8	21.8
		0.0	-0.7	23.3	23.2	23.2	23.2	23.2	21.8
		3.0	2.2	24.6	24.5	24.5	24.2	23.4	21.8
		5.0	4.1	25.4	25.4	25.0	24.2	23.4	21.8
		7.0	6.0	26.2	26.2	25.0	24.2	23.4	21.8
		9.0	7.9	27.1	26.6	25.0	24.2	23.4	21.8
		11.0	9.8	27.9	26.6	25.0	24.2	23.4	21.8
		13.0	11.8	28.2	26.6	25.0	24.2	23.4	21.8
		15.0	13.7	28.2	26.6	25.0	24.2	23.4	21.8
250	31.5	-19.8	-20.0	18.6	18.5	18.5	18.5	18.4	18.4
		-18.8	-19.0	19.2	19.1	19.0	19.0	19.0	18.9
		-16.7	-17.0	20.3	20.2	20.2	20.1	20.1	20.0
		-14.7	-15.0	21.4	21.3	21.3	21.2	21.2	21.2
		-12.6	-13.0	22.5	22.4	22.4	22.4	22.3	22.3
		-10.5	-11.0	23.6	23.6	23.5	23.5	23.4	23.4
		-9.5	-10.0	24.2	24.1	24.1	24.0	24.0	23.9
		-8.5	-9.1	24.7	24.6	24.6	24.5	24.5	24.4
		-7.0	-7.6	25.5	25.4	25.4	25.4	25.3	25.3
		-5.0	-5.6	26.6	26.6	26.5	26.5	26.4	26.4
		-3.0	-3.7	27.7	27.6	27.6	27.5	27.5	27.5
		0.0	-0.7	29.3	29.3	29.2	29.2	29.2	27.5
		3.0	2.2	31.0	30.9	30.8	30.5	29.5	27.5
		5.0	4.1	32.0	32.0	31.5	30.5	29.5	27.5
		7.0	6.0	33.1	33.0	31.5	30.5	29.5	27.5
		9.0	7.9	34.1	33.5	31.5	30.5	29.5	27.5
		11.0	9.8	35.2	33.5	31.5	30.5	29.5	27.5
		13.0	11.8	35.5	33.5	31.5	30.5	29.5	27.5
		15.0	13.7	35.5	33.5	31.5	30.5	29.5	27.5

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXMQ40,50MA



Nr	Part 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, I.D. ø25)
4	Ground terminal	M4
5	Switch box	
6	Interunit wiring connection	
7	Power supply connection	
8	Air discharge flange	
9	Air suction flange	
10	Hook	For M8~M10

NOTES

1 Location of unit's name plate: switch box surface.

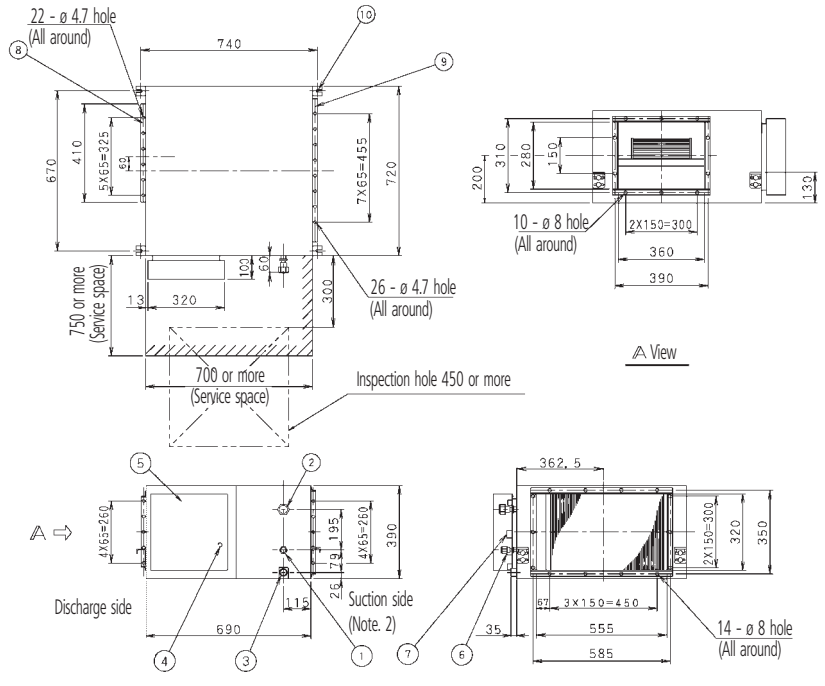
2 Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more).

3 Be sure to install a drain trap, as the drain outlet of the air-conditioner becomes negative pressure.

4 Be sure to install a drain trap for each unit separately, when you install a consolidated drain piping.

3D038848

FXMQ63,80MA



Nr	Part 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, I.D. ø25)
4	Ground terminal	M4
5	Switch box	
6	Interunit wiring connection	
7	Power supply connection	
8	Air discharge flange	
9	Air suction flange	
10	Hook	For M8~M10

NOTES

1 Location of unit's name plate: switch box surface.

2 Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more).

3 Be sure to install a drain trap, as the drain outlet of the air-conditioner becomes negative pressure.

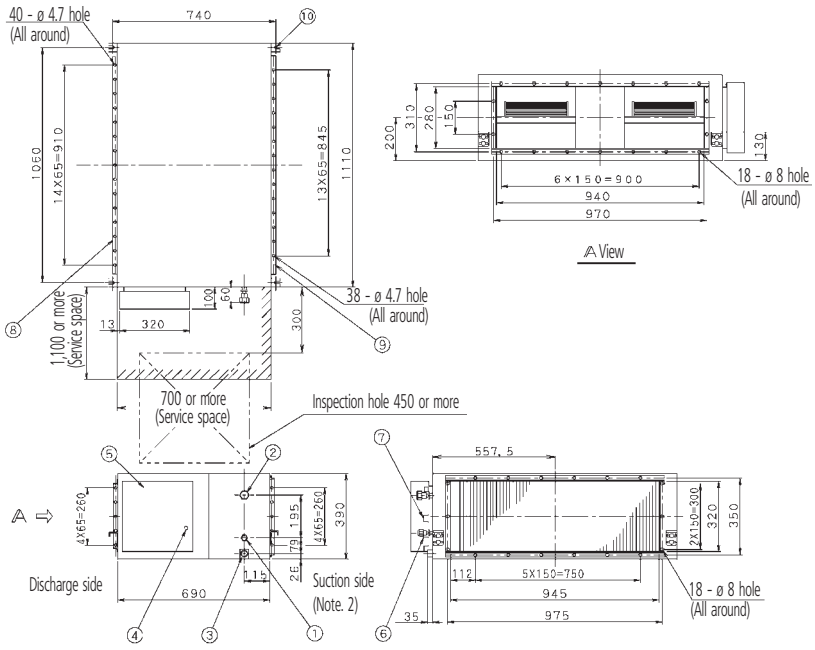
4 Be sure to install a drain trap for each unit separately, when you install a consolidated drain piping.

3D038849

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXMQ100,125MA



Nr	Part 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, I.D. ø25)
4	Ground terminal	M4
5	Switch box	
6	Interunit wiring connection	
7	Power supply connection	
8	Air discharge flange	
9	Air suction flange	
10	Hook	For M8~M10

NOTES

1 Location of unit's name plate: switch box surface.

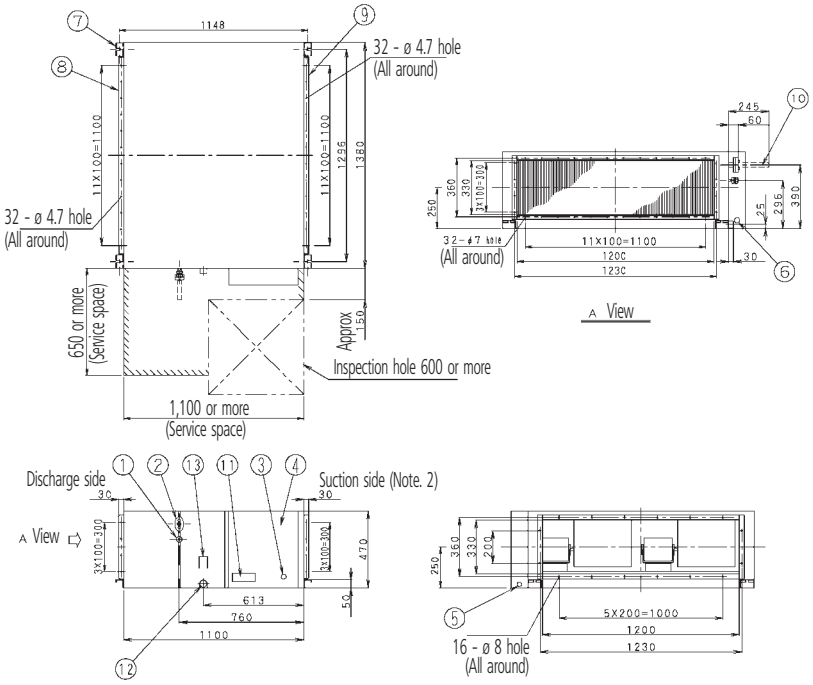
2 Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more).

3 Be sure to install a drain trap, as the drain outlet of the air-conditioner becomes negative pressure.

4 Be sure to install a drain trap for each unit separately, when you install a consolidated drain piping.

3D038850

FXMQ200,250MA



Piping size (field supply)

Model	Gas	Liquid
FXMQ200MA	ø 19.1 attached piping	ø 9.5
FXMQ250MA	ø 22.2 attached piping	ø 9.5

Nr	Part name	Description
1	Liquid pipe connection	Flare connection
2	Gas pipe connection	Attendant piping connection
3	Ground terminal	M5 (Inside switch box)
4	Switch box	
5	Power supply wiring connection	
6	Transmission wiring connection	
7	Hook	M10
8	Discharge companion flange	
9	Suction flange	
10	Attached piping	Brazing
11	Name plate	
12	Drain piping connection	PS1B Internal thread VP25 (O.D. ø33.349, I.D. ø30.391)
13	Water supply port	

NOTES

1 Location of unit's name plate: switch box surface.

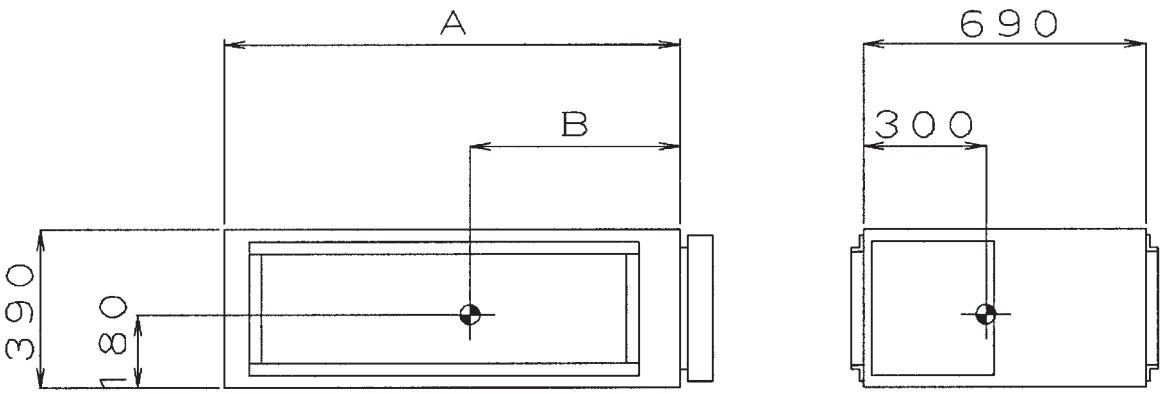
2 Mount the air filter at the suction side. (Select its colorimethod (gravity method) 50% or more).

3D038851

6 Dimensional drawing & centre of gravity

6 - 2 Centre of gravity

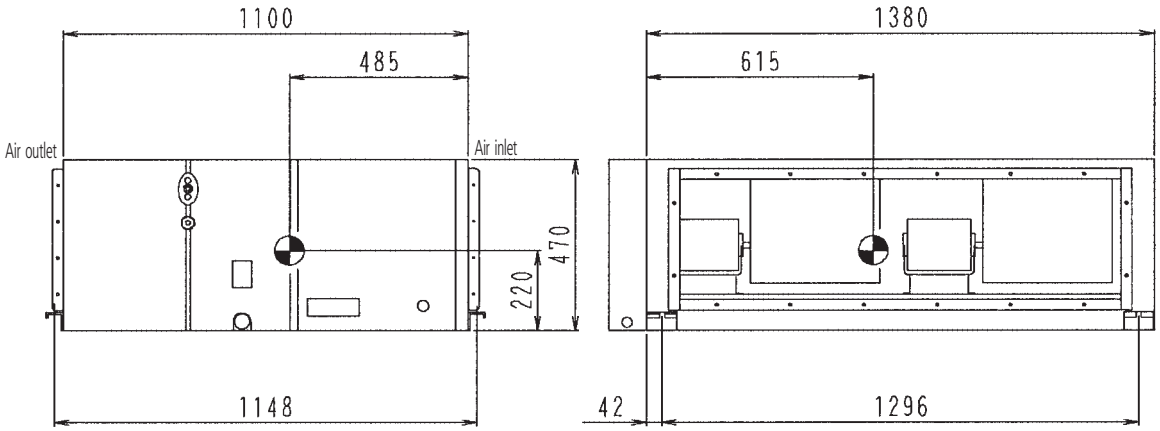
FXMQ40,50,63,80,100,125MA



Model	A	B
FXMQ40,50,63,80MA	720	290
FXMQ100,125MA	1,110	510

4D040333

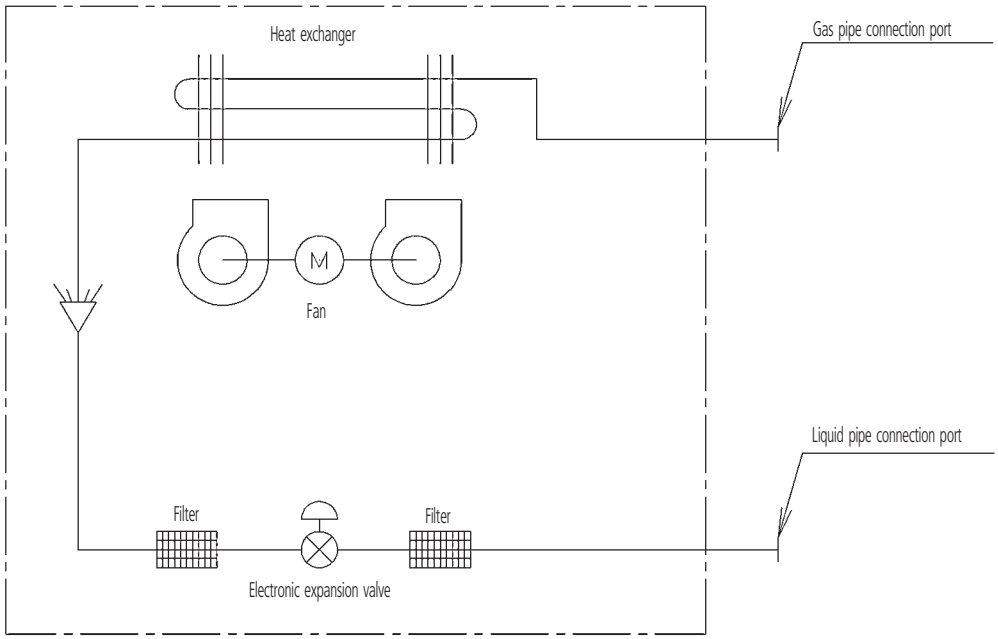
FXMQ200,250MA



4D035171

7 Piping diagram

FXMQ-MA



Piping connection diameters

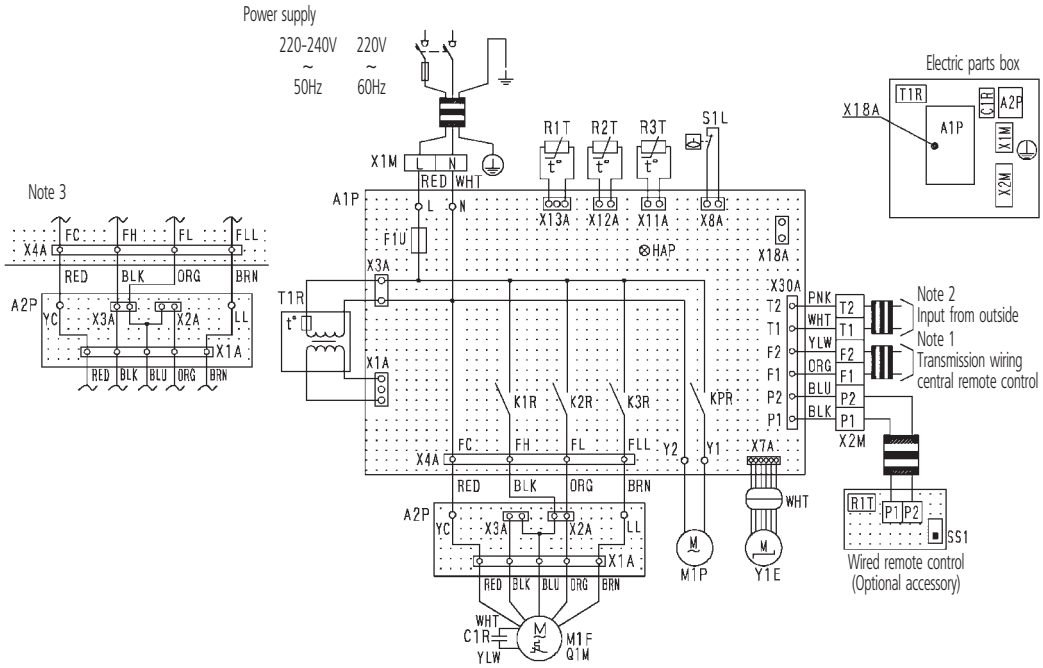
Model	Gas	Liquid
FXMQ40,50MA	ø12.7	ø6.4
FXMQ63,80,100,125MA	ø15.9	ø9.5
FXMQ200MA	ø19.1	ø9.5
FXMQ250MA	ø22.2	ø9.5

4D034245A

8 Wiring diagram

8 - 1 Wiring diagram

FXMQ40,50,63,80,100,125MA



Indoor unit				Optional parts	
A1P	Printed circuit board	Q1M	Thermo switch (M1F embedded)	M1P	Motor (drain pump)
A2P	Terminal board	R1T	Thermistor (air)		
C1R	Capacitor (M1F)	R2T • R3T	Thermistor (coil)	Wired remote control	
F1U	Fuse (250V, 5A, Ⓑ) 40-80 type	S1L	Float switch	SS1	Selector switch (main/sub)
F1U	Fuse (250V, 10A, Ⓑ) 100-125 type	T1R	Transformer (220-240V/22V)	R1T	Thermistor (air)
HAP	Light emitting diode (service monitor-green)	X1M	Terminal block (power)		
K1R-K3R	Magnetic relay (M1F)	X2M	Terminal block (control)	Connector for optional parts	
KPR	Magnetic relay (M1P)	Y1E	Electronic expansion valve	X18A	Connector (wiring adapter for electorical appendices)
M1F	Motor (indoor fan)				

: Terminal block
, D– : Connector
–○– : Terminal
: Field wiring

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

NOTES

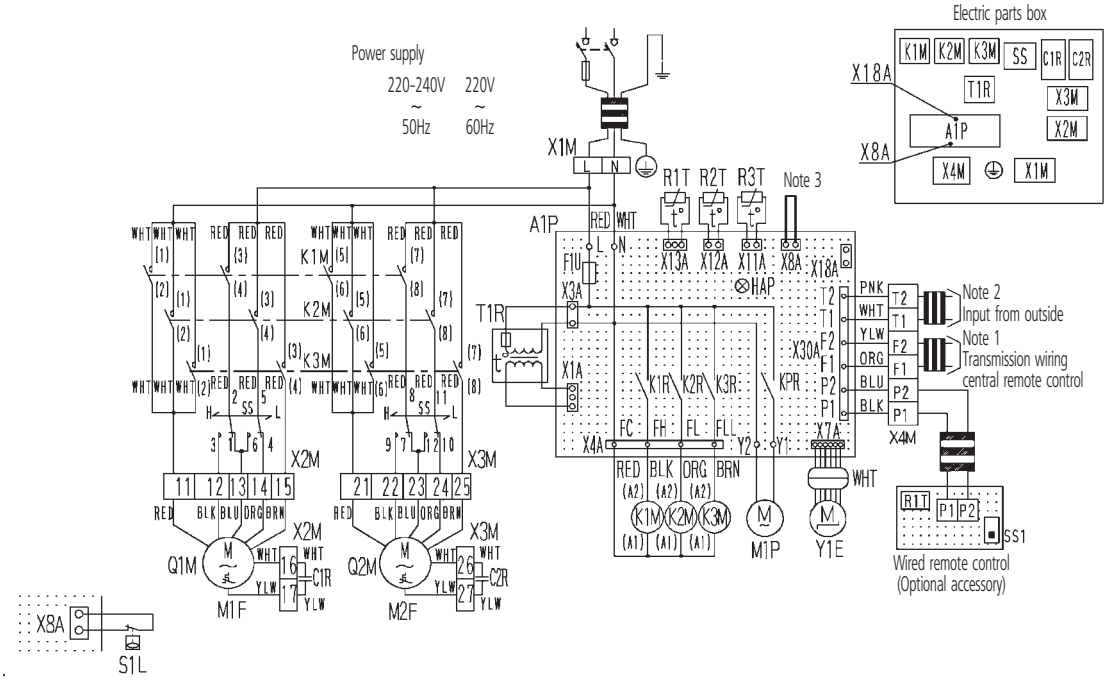
1 In case using central remote control, connect it to the unit in accordance with the attached instruction manual.
2 When connecting the input wires from outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached the unit.
3 In case of high E.S.P. operation, change the wiring connection of X2A as shown upper figure.
4 Use copper conductors only.

3D039620B

8 Wiring diagram

8 - 1 Wiring diagram

FXMQ200,250MA



Indoor unit				Optional parts	
A1P	Printed circuit board	Q1M • Q2M	Thermo switch (M1F • 2F embedded)	M1P	Motor (drain pump)
C1R • C2R	Capacitor (M1F • 2F)	R1T	Thermistor (air)		
F1U	Fuse (Ⓑ, 5A, 250V)	R2T • R3T	Thermistor (coil)	Wired remote control	
HAP	Light emitting diode (service monitor-green)	SS	Selector switch (static pressure)	R1T	Thermistor (air)
K1M	Magnetic contactor (M1F • 2F)	T1R	Transformer (220-240V/22V)	SS1	Selector switch (main/sub)
K2M	Magnetic contactor (M1F • 2F)	X1M	Terminal block (power)		
K3M	Magnetic contactor (M1F • 2F)	X2M-X3M	Terminal block	Connector for optional parts	
K1R-K3R	Magnetic relay (M1F • 2F)	X4M	Terminal block (control)	X8A	Connector (float switch)
KPR	Magnetic relay (M1P)	Y1E	Electronic expansion valve	X18A	Connector (wiring adapter for electorical appendices)
M1F • M2F	Motor (indoor fan)				

: Terminal block
, D– : Connector
: Short circuit connector
: Terminal
: Field wiring

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

NOTES

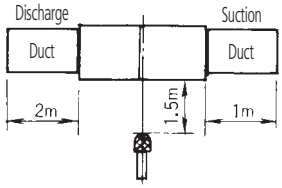
1 In case using central remote control, connect it to the unit in accordance with the attached instruction manual.
2 When connecting the input wires from outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached the unit.
3 In case installing the drain pump, remove the short circuit connector of X8A and execute the additional wiring for float switch and drain pump.
4 Use copper conductors only.
5 In case high E.S.P. operation, change the switch(ss) for "H".

3D039621B

9 Sound data

9 - 1 Sound level data

FXMQ-MA

Model	Sound pressure level - 220V			Sound power level
	H	L	Measuring location	
FXMQ40MA	39	35		*
FXMQ50MA	39	35		*
FXMQ63MA	42	38		*
FXMQ80MA	43	39		*
FXMQ100MA	43	39		*
FXMQ125MA	45	42		*
FXMQ200MA	48	45		*
FXMQ250MA	48	45		*

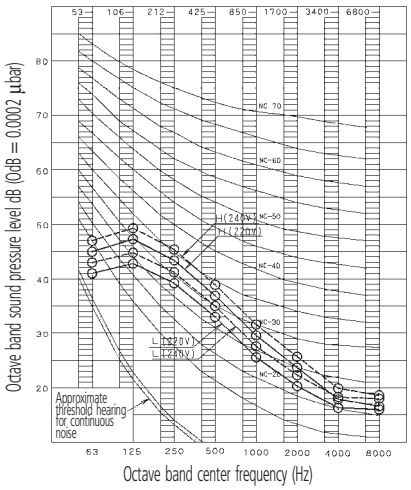
NOTES

1 Reference acoustic pressure 0 dB = 20 Pa.
2 Measuring place: anechoic chamber
3 Operation noise differs with operation and ambient conditions.
*Data were not available at the time of publication

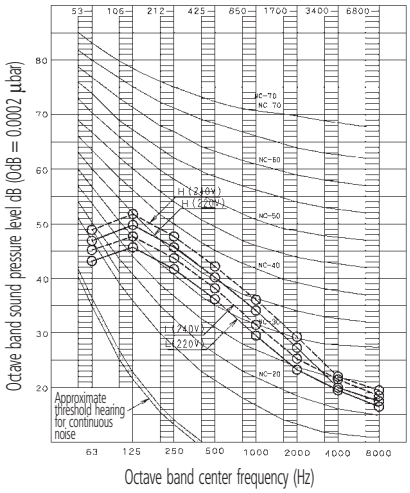
9 Sound data

9 - 2 Sound pressure spectrum

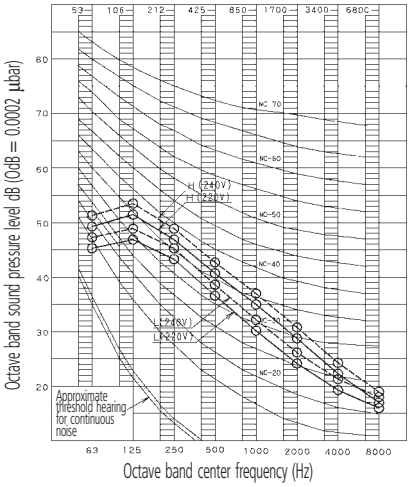
FXMQ40,50MA 4D034593A



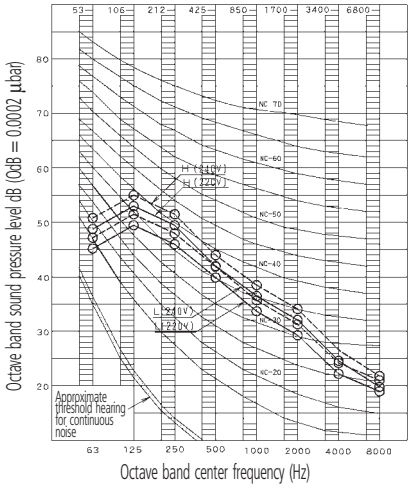
FXMQ63MA 4D034594A



FXMQ80,100MA 4D034595A



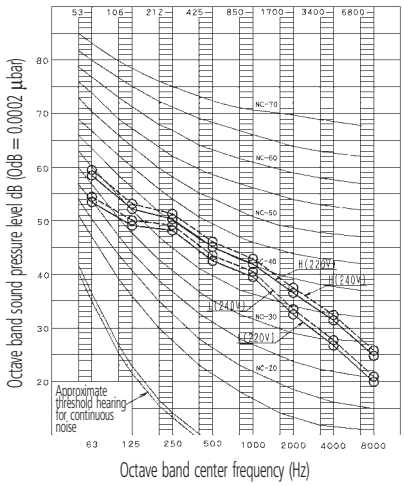
FXMQ125MA 4D034596



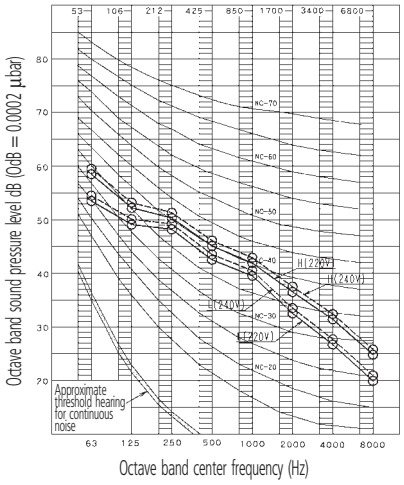
9 Sound data

9 - 2 Sound pressure spectrum

FXMQ200MA 4D035168

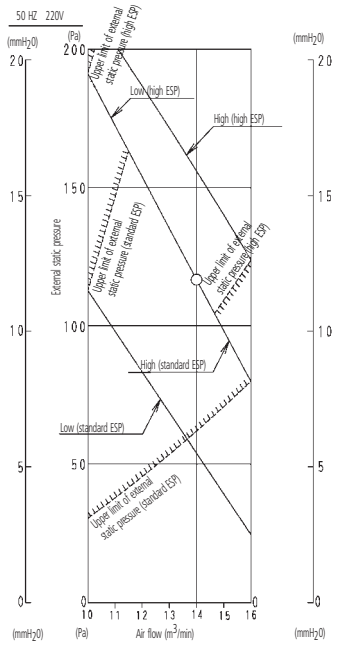


FXMQ250MA 4D035169



10 Fan characteristics

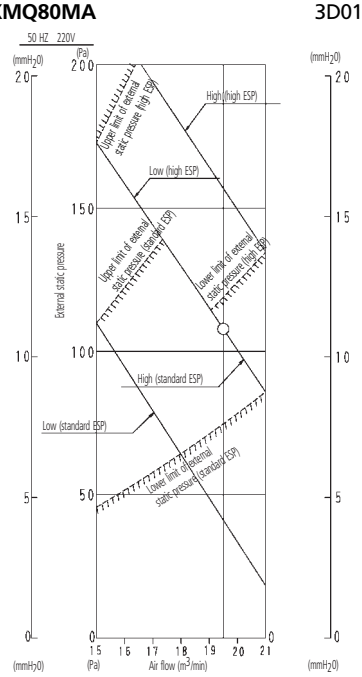
FXMQ40,50,63MA 3D019610B



NOTES

1 The remote control can be used to switch between "high" and "low".
2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.

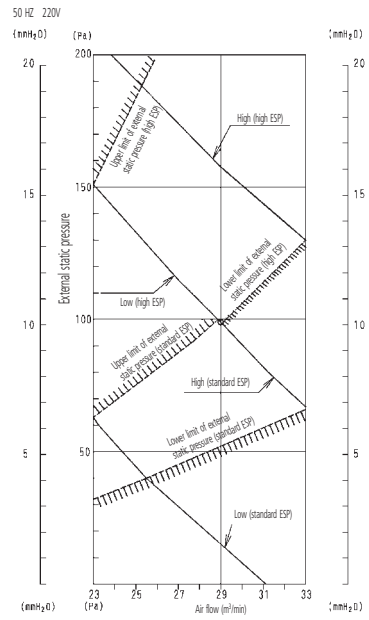
FXMQ80MA 3D018375B



NOTES

1 The remote control can be used to switch between "high" and "low".
2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.

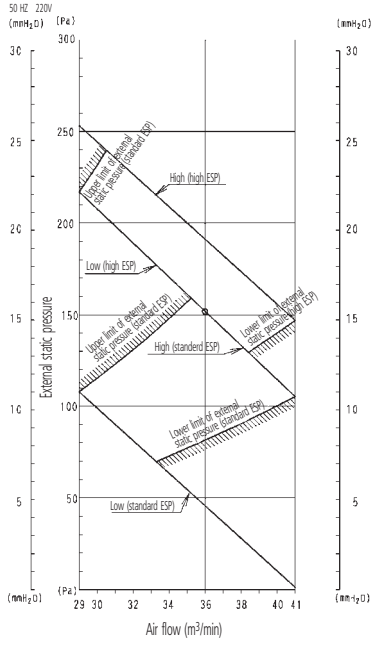
FXMQ100MA 3D000067D



NOTES

1 The remote control can be used to switch between "high" and "low".
2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.

FXMQ125MA 3D000167C

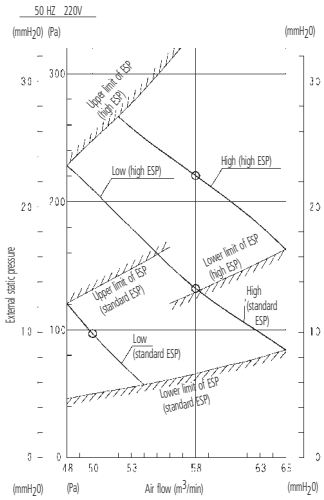


NOTES

1 The remote control can be used to switch between "high" and "low".
2 The air flow is set to "standard" before leaving the factory. It is possible to switch between "standard ESP" and "high ESP" by changing the terminals in the indoor unit electrical box.

10 Fan characteristics

FXMQ200MA 3D035172

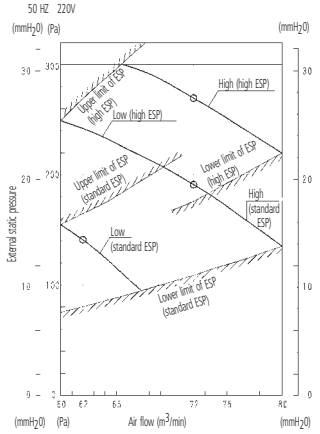


NOTES

1 The remote control can be used to switch between “high” and “low”.

2 The air flow is set to “standard” before leaving the factory. It is possible to switch between “standard ESP” and “high ESP” by changing the terminals in the indoor unit electrical box.

FXMQ250MA 3D035173



NOTES

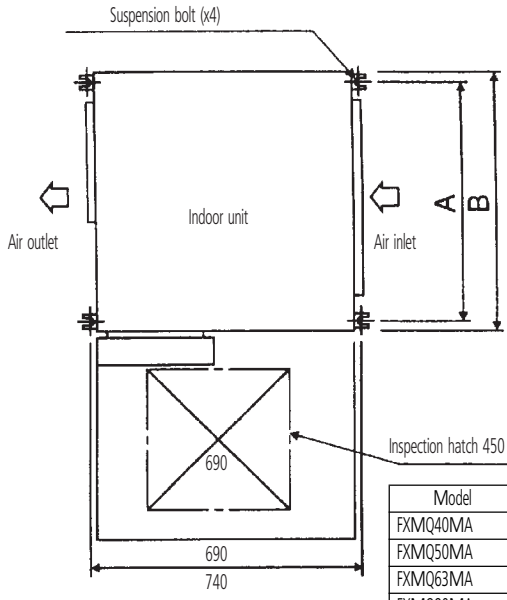
1 The remote control can be used to switch between “high” and “low”.

2 The air flow is set to “standard” before leaving the factory. It is possible to switch between “standard ESP” and “high ESP” by changing the terminals in the indoor unit electrical box.

11 Installation

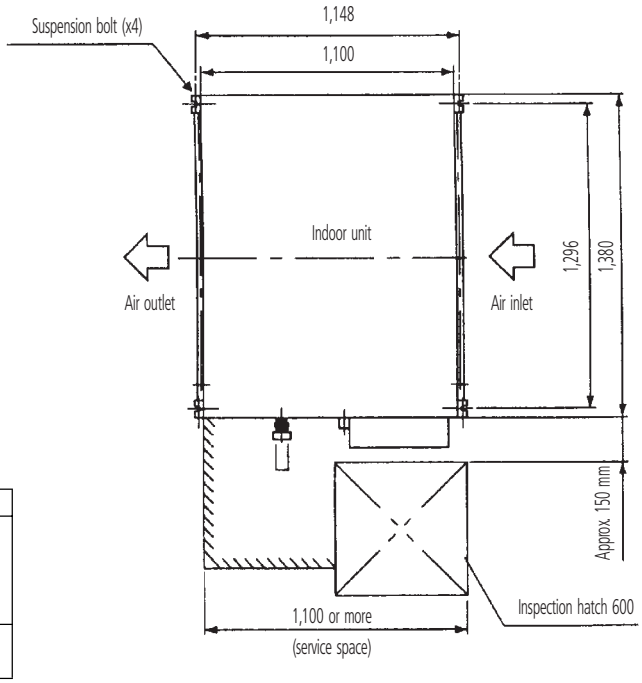
11 - 1 Suspension bolt pitch position

FXMQ40,50,63,80,100,125MA



Model	A	B
FXMQ40MA	670	720
FXMQ50MA		
FXMQ63MA		
FXMQ80MA		
FXMQ100MA	1,060	1,100
FXMQ125MA		

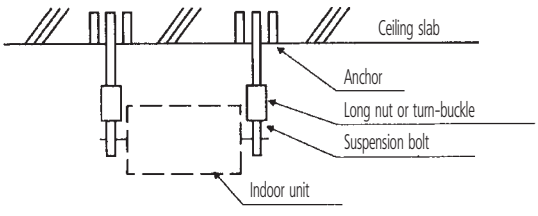
FXMQ200,250MA



NOTES

1 Install a canvas duct to the air discharge outlet and air inlet so that vibration from the machine body is not transmitted to the duct or ceiling. You should also apply acoustic (insulation material) to the inside of the duct, and vibration insulation rubber to the suspension bolts.

2 Install suspension bolts.
Use bolts of 10 mm diameter.
Install the equipment where supporting structures are strong enough to bear the equipment's weight. Use embedded inserts or anchor bolts with new buildings and hole-in-anchors with old buildings.



NOTE

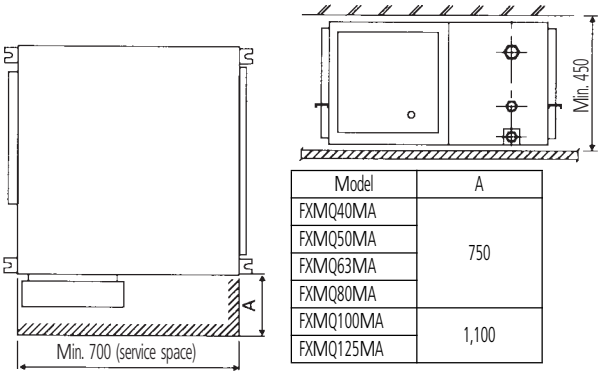
1 All the above parts are to be procured in the field.

3P086156-2-5

11 Installation

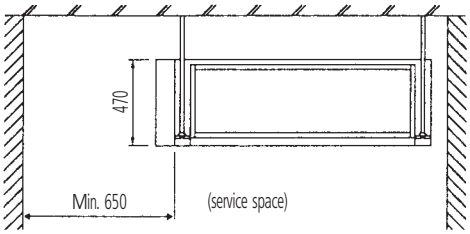
11 - 2 Service space

FXMQ40,50,63,80,100,125MA



Model	A
FXMQ40MA	750
FXMQ50MA	
FXMQ63MA	
FXMQ80MA	
FXMQ100MA	1,100
FXMQ125MA	

FXMQ200,250MA



NOTE

1 Above figures mean minimum values.

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2

VRV® III-S
VRV® III
VRV® II
VRV®-WII

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