



technical data

Floor Standing Unit
FXLQ-MAVE

air conditioning systems

VRV[®] III-S

VRV[®] III

VRV[®] II

VRV[®]-WII

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FXLQ-MAVE

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1 Specifications

1-1 TECHNICAL SPECIFICATIONS				FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
Nominal Capacity	Cooling		kW	2.20	2.80	3.60	4.50	5.60	7.10
	Heating		kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input (Nominal)	Cooling		kW	0.049	0.049	0.090	0.090	0.110	0.110
	Heating		kW	0.049	0.049	0.090	0.090	0.110	0.110
Casing	Colour			Ivory white (5Y7,5/1)					
Dimensions	Unit	Height	mm	600	600	600	600	600	600
		Width	mm	1000	1000	1140	1140	1420	1420
		Depth	mm	222	222	222	222	222	222
Weight	Unit		kg	25	25	30	30	36	36
Heat Exchanger	Dimensions	Nr of Rows		3	3	3	3	3	3
		Fin Pitch	mm	1.50	1.50	1.50	1.50	1.50	1.50
		Face Area	m²	0.159	0.159	0.200	0.200	0.282	0.282
		Nr of Stages		14	14	14	14	14	14
Fan	Type			Sirocco fan					
	Quantity			1	1	1	1	1	1
Air Flow Rate	Cooling	High	m³/min	7.00	7.00	8.00	11.00	14.00	16.00
		Low	m³/min	6.00	6.00	6.00	8.50	11.00	12.00
Fan	Motor	Quantity		1	1	1	1	1	1
		Model		D14B20	D14B20	2D14B13	2D14B13	2D14B20	2D14B20
		Output (high)	W	15	15	25	25	35	35
		Drive		Direct drive					
Refrigerant	Name			R-410A					
Cooling	Sound Pressure	High	dBA	35.0	35.0	35.0	38.0	39.0	40.0
		Low	dBA	32.0	32.0	32.0	33.0	34.0	35.0
Piping connections	Liquid (OD)	Type		Flare connection					
		Diameter	mm	6.4	6.4	6.4	6.4	6.4	9.5
	Gas	Type		Flare connection					
		Diameter	mm	12.7	12.7	12.7	12.7	12.7	15.9
	Drain	Diameter		O.D. 21					
	Heat Insulation			Glass Fiber/Urethane Foam					
Air Filter				Resin net with mold resistance					
Refrigerant control				Electronic expansion valve					
Temperature control				Microprocessor thermostat for cooling and heating					
Safety devices				PC board fuse					
				Fan motor thermal protector					
Standard Accessories	Standard Accessories			Installation and operation manual					
				Insulation for fitting					
				Drain hose					
				Clamps					
				Screws					
				Level adjustment screw					
				Washer					
Notes				Nominal cooling capacities are based on : indoor temperature : 27°CDB, 19°CWB, outdoor temperature : 35°CDB, equivalent refrigerant piping : 7.5m (horizontal)					
				Nominal heating capacities are based on : indoor temperature : 20°CDB, outdoor temperature : 7°CDB, 6°CWB, equivalent refrigerant piping : 7.5m (horizontal)					
				Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.					
				Sound pressure levels are measured at 220V					

1 Specifications

1-2 ELECTRICAL SPECIFICATIONS			FXLQ20MAVE	FXLQ25MAVE	FXLQ32MAVE	FXLQ40MAVE	FXLQ50MAVE	FXLQ63MAVE
Power Supply	Name		VE					
	Phase		1	1	1	1	1	1
	Frequency	Hz	50	50	50	50	50	50
	Voltage	V	220-240					
Current	Minimum circuit amps (MCA)	A	0.30	0.30	0.60	0.60	0.60	0.60
	Maximum fuse amps (MFA)	A	15.00	15.00	15.00	15.00	15.00	15.00
	Full load amps (FLA)	A	0.20	0.20	0.50	0.50	0.50	0.50
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.					

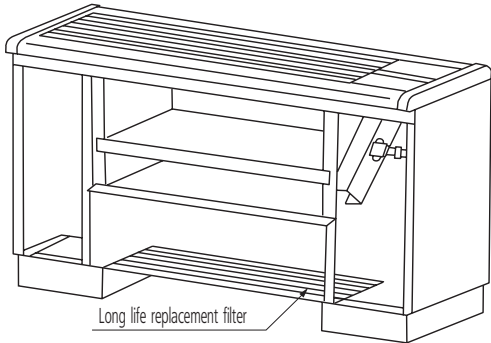
2 Safety device settings

		FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
PC BOARD FUSE		250V 10A					
FAN MOTOR THERMAL PROTECTOR	°C	OFF: 135 ^{±10} / ON: 120 or less					
		3D034529C					

3 Options

	FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
LONG LIFE REPLACEMENT FILTER	KAFJ361K28		KAFJ361K45		KAFJ361K71	

4D034574B



4 Control systems

Individual control systems

		FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
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

		FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
CENTRALISED REMOTE CONTROL					DCS302C51		
UNIFIED ON/OFF CONTROL					DCS301C51		
SCHEDULE TIMER					DST301C51		

Others

		FXLQ20MA	FXLQ25MA	FXLQ32MA	FXLQ40MA	FXLQ50MA	FXLQ63MA
WIRING ADAPTER					KRP1B61		
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)					KRP2A51		
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

FXLQ-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
20	2.2	10.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.9	1.8
		12.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.9	1.7
		14.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.8	1.7
		16.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.8	1.7
		18.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.7	1.7
		20.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.7	1.6
		21.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.7	1.6
		23.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.6	1.8	2.6	1.6
		25.0	1.5	1.3	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	1.3	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	1.3	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	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.7	2.5	1.6
		33.0	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.7	2.5	1.6
		35.0	1.5	1.3	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	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.3	1.7	2.3	1.6	2.4	1.6
		39.0	1.5	1.3	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	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.7	2.1
		12.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.6	2.1
		14.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.6	2.1
		16.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.5	2.1
		18.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.5	2.0
		20.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.4	2.0
		21.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.4	2.1	3.4	2.0
		23.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.3	2.1	3.4	2.0
		25.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.3	2.1	3.3	2.0
		27.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.2	2.1	3.3	1.9
		29.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.2	2.0	3.2	1.9
		31.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.1	2.0	3.2	1.9
		33.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.1	2.0	3.1	1.9
		35.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	3.0	2.1	3.0	2.0	3.1	1.9
		37.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	2.9	2.0	3.0	2.0	3.0	1.9
		39.0	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	2.9	2.0	2.9	2.0	3.0	1.9
32	3.6	10.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.3	2.6	4.7	2.6
		12.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.3	2.6	4.7	2.6
		14.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.3	2.6	4.6	2.6
		16.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.3	2.6	4.6	2.5
		18.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.3	2.6	4.5	2.5
		20.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.3	2.6	4.4	2.5
		21.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.3	2.6	4.4	2.5
		23.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.2	2.6	4.3	2.4
		25.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.2	2.6	4.3	2.4
		27.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.1	2.5	4.2	2.4
		29.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.1	2.5	4.2	2.4
		31.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	4.0	2.5	4.1	2.4
		33.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.6	3.9	2.4	4.0	2.3
		35.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.8	2.5	3.9	2.4	4.0	2.3
		37.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.5	3.7	2.5	3.8	2.4	3.9	2.3
		39.0	2.4	2.1	2.9	2.2	3.4	2.5	3.6	2.6	3.7	2.5	3.8	2.4	3.8	2.3
40	4.5	10.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.4	3.3	5.9	3.3
		12.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.4	3.3	5.8	3.3
		14.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.4	3.3	5.8	3.2
		16.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.4	3.3	5.7	3.2
		18.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.4	3.3	5.6	3.1
		20.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.4	3.3	5.5	3.1
		21.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.4	3.3	5.5	3.1
		23.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.3	3.2	5.4	3.0
		25.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.2	3.2	5.3	3.0
		27.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.2	3.1	5.3	3.0
		29.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.1	3.1	5.2	3.0
		31.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	5.0	3.1	5.1	2.9
		33.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.8	3.2	4.9	3.0	5.0	2.9
		35.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.7	3.2	4.9	3.1	5.0	2.9
		37.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.7	3.2	4.8	3.0	4.9	2.8
		39.0	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.2	4.6	3.1	4.7	3.0	4.8	2.8

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5 Capacity tables

5 - 1 Cooling capacity tables

FXLQ-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
50	5.6	10.0	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	7.4	4.1
		12.0	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	7.3	4.1
		14.0	3.8	3.0	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	3.0	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	7.1	4.0
		18.0	3.8	3.0	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	3.0	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.7	4.1	6.9	3.9
		21.0	3.8	3.0	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	3.0	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	3.0	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	3.0	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	3.0	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.3	3.9	6.5	3.7
		31.0	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	6.0	4.0	6.2	3.8	6.4	3.7
		33.0	3.8	3.0	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	3.0	4.5	3.4	5.2	3.8	5.6	3.9	5.9	4.0	6.0	3.8	6.2	3.6
		37.0	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	5.8	3.9	5.9	3.7	6.1	3.6
		39.0	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	5.7	3.9	5.8	3.7	6.0	3.5
63	7.1	10.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.5	5.1	9.3	5.0
		12.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.5	5.1	9.2	5.0
		14.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.5	5.1	9.1	4.9
		16.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.5	5.1	9.0	4.8
		18.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.5	5.1	8.8	4.8
		20.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.5	5.1	8.7	4.7
		21.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.5	5.1	8.7	4.7
		23.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.4	5.0	8.5	4.6
		25.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.3	5.0	8.4	4.5
		27.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.1	4.9	8.3	4.5
		29.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	8.0	4.8	8.2	4.5
		31.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	7.9	4.7	8.1	4.4
		33.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.6	5.0	7.8	4.7	7.9	4.4
		35.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.5	4.9	7.7	4.7	7.8	4.3
		37.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.4	4.9	7.5	4.6	7.7	4.2
		39.0	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.2	4.8	7.4	4.6	7.6	4.2

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5 Capacity tables

5 - 2 Heating capacity tables

FXLQ-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
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	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	3.2	-19.8	-20.0	1.9	1.9	1.9	1.9	1.9	1.9
		-18.8	-19.0	1.9	1.9	1.9	1.9	1.9	1.9
		-16.7	-17.0	2.1	2.1	2.0	2.0	2.0	2.0
		-14.7	-15.0	2.2	2.2	2.2	2.2	2.2	2.1
		-12.6	-13.0	2.3	2.3	2.3	2.3	2.3	2.3
		-10.5	-11.0	2.4	2.4	2.4	2.4	2.4	2.4
		-9.5	-10.0	2.5	2.4	2.4	2.4	2.4	2.4
		-8.5	-9.1	2.5	2.5	2.5	2.5	2.5	2.5
		-7.0	-7.6	2.6	2.6	2.6	2.6	2.6	2.6
		-5.0	-5.6	2.7	2.7	2.7	2.7	2.7	2.7
		-3.0	-3.7	2.8	2.8	2.8	2.8	2.8	2.8
		0.0	-0.7	3.0	3.0	3.0	3.0	3.0	2.8
		3.0	2.2	3.1	3.1	3.1	3.1	3.0	2.8
		5.0	4.1	3.3	3.2	3.2	3.1	3.0	2.8
		7.0	6.0	3.4	3.4	3.2	3.1	3.0	2.8
		9.0	7.9	3.5	3.4	3.2	3.1	3.0	2.8
		11.0	9.8	3.6	3.4	3.2	3.1	3.0	2.8
		13.0	11.8	3.6	3.4	3.2	3.1	3.0	2.8
		15.0	13.7	3.6	3.4	3.2	3.1	3.0	2.8
32	4.0	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
		-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
		-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
		-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
		-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
		-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
		-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
		-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
		-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
		-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
		-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
		0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
		5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
		7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
		9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
		11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
		13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
		15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
40	5.0	-19.8	-20.0	3.0	2.9	2.9	2.9	2.9	2.9
		-18.8	-19.0	3.0	3.0	3.0	3.0	3.0	3.0
		-16.7	-17.0	3.2	3.2	3.2	3.2	3.2	3.2
		-14.7	-15.0	3.4	3.4	3.4	3.4	3.4	3.4
		-12.6	-13.0	3.6	3.6	3.6	3.5	3.5	3.5
		-10.5	-11.0	3.7	3.7	3.7	3.7	3.7	3.7
		-9.5	-10.0	3.8	3.8	3.8	3.8	3.8	3.8
		-8.5	-9.1	3.9	3.9	3.9	3.9	3.9	3.9
		-7.0	-7.6	4.0	4.0	4.0	4.0	4.0	4.0
		-5.0	-5.6	4.2	4.2	4.2	4.2	4.2	4.2
		-3.0	-3.7	4.4	4.4	4.4	4.4	4.4	4.4
		0.0	-0.7	4.7	4.6	4.6	4.6	4.6	4.4
		3.0	2.2	4.9	4.9	4.9	4.8	4.7	4.4
		5.0	4.1	5.1	5.1	5.0	4.8	4.7	4.4
		7.0	6.0	5.2	5.2	5.0	4.8	4.7	4.4
		9.0	7.9	5.4	5.3	5.0	4.8	4.7	4.4
		11.0	9.8	5.6	5.3	5.0	4.8	4.7	4.4
		13.0	11.8	5.6	5.3	5.0	4.8	4.7	4.4
		15.0	13.7	5.6	5.3	5.0	4.8	4.7	4.4

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5 Capacity tables

5 - 2 Heating capacity tables

5

FXLQ-MA

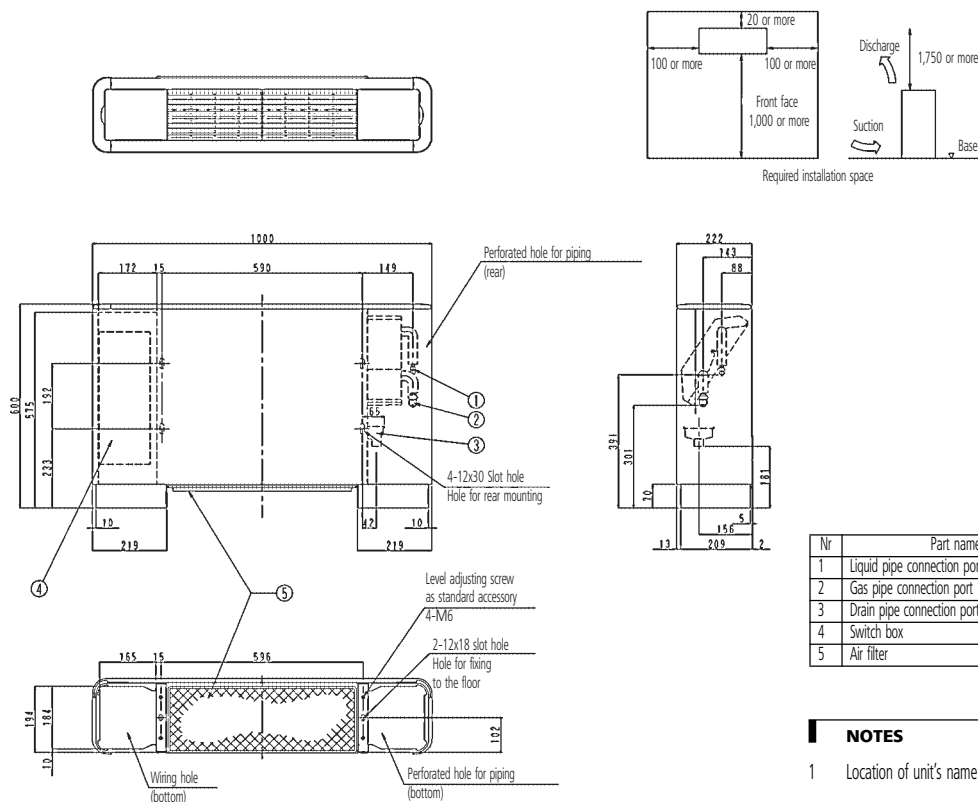
Unit Size	Nominal capacity	Outdoor air temperature		Indoor air temperature °CDB					
		°CDB	°CWB	16.0	18.0	20.0	21.0	22.0	24.0
				kW	kW	kW	kW	kW	kW
50	63	-19.8	-20.0	3.7	3.7	3.7	3.7	3.7	3.7
		-18.8	-19.0	3.8	3.8	3.8	3.8	3.8	3.8
		-16.7	-17.0	4.1	4.0	4.0	4.0	4.0	4.0
		-14.7	-15.0	4.3	4.3	4.3	4.2	4.2	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

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6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXLQ20,25MA

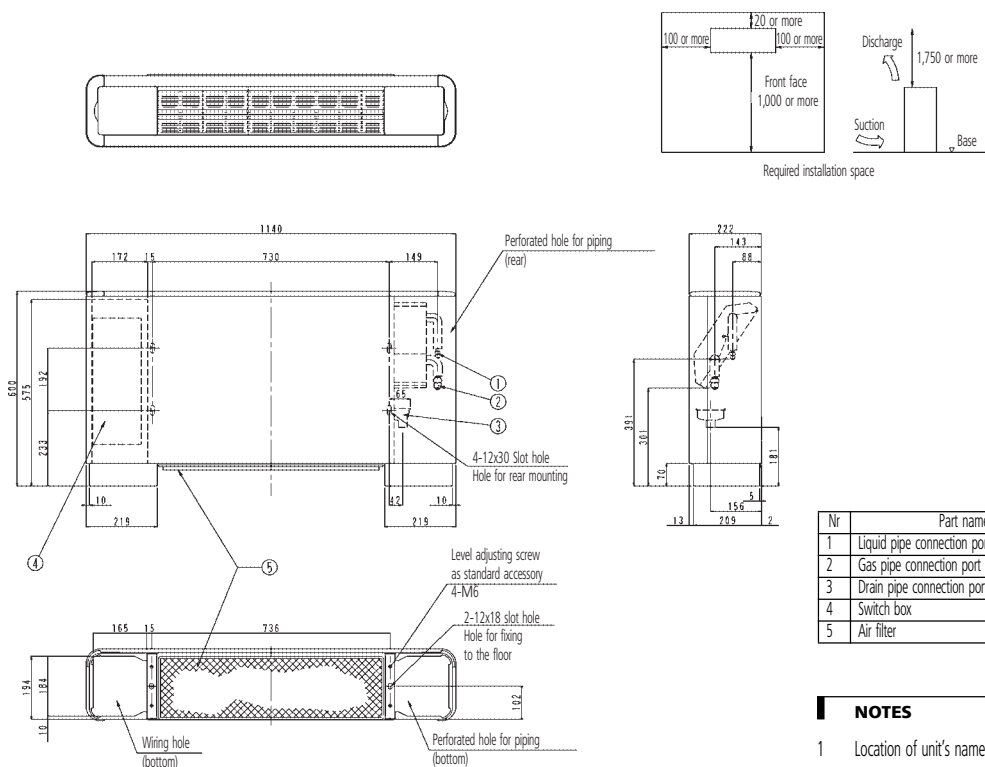


NOTES

- 1 Location of unit's name plate: outside surface of right side plate.

3D038860B

FXLQ32,40MA



NOTES

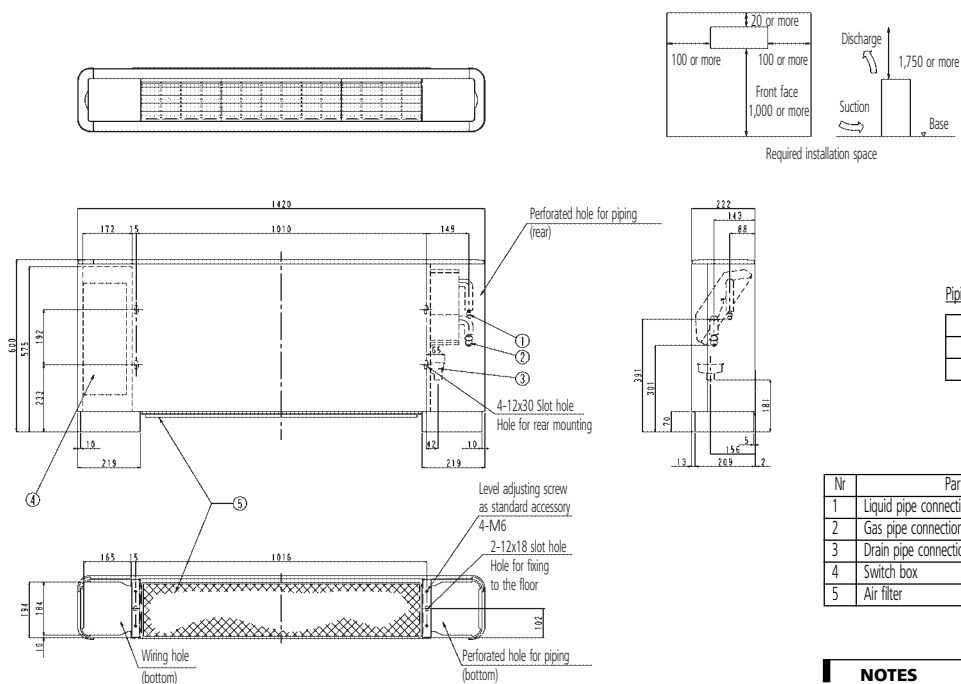
- 1 Location of unit's name plate: outside surface of right side plate.

3D038861B

6 Dimensional drawing & centre of gravity

6 - 1 Dimensional drawing

FXLQ50,63MA



Piping size (Field supply)

Indoor unit	Gas side	Liquid side
FXLQ50MA	ø 12.7	ø 6.4
FXLQ63MA	ø 15.9	ø 9.5

Nr	Part name	Description
1	Liquid pipe connection port	flare connection
2	Gas pipe connection port	flare connection
3	Drain pipe connection port	O.D. 21
4	Switch box	
5	Air filter	

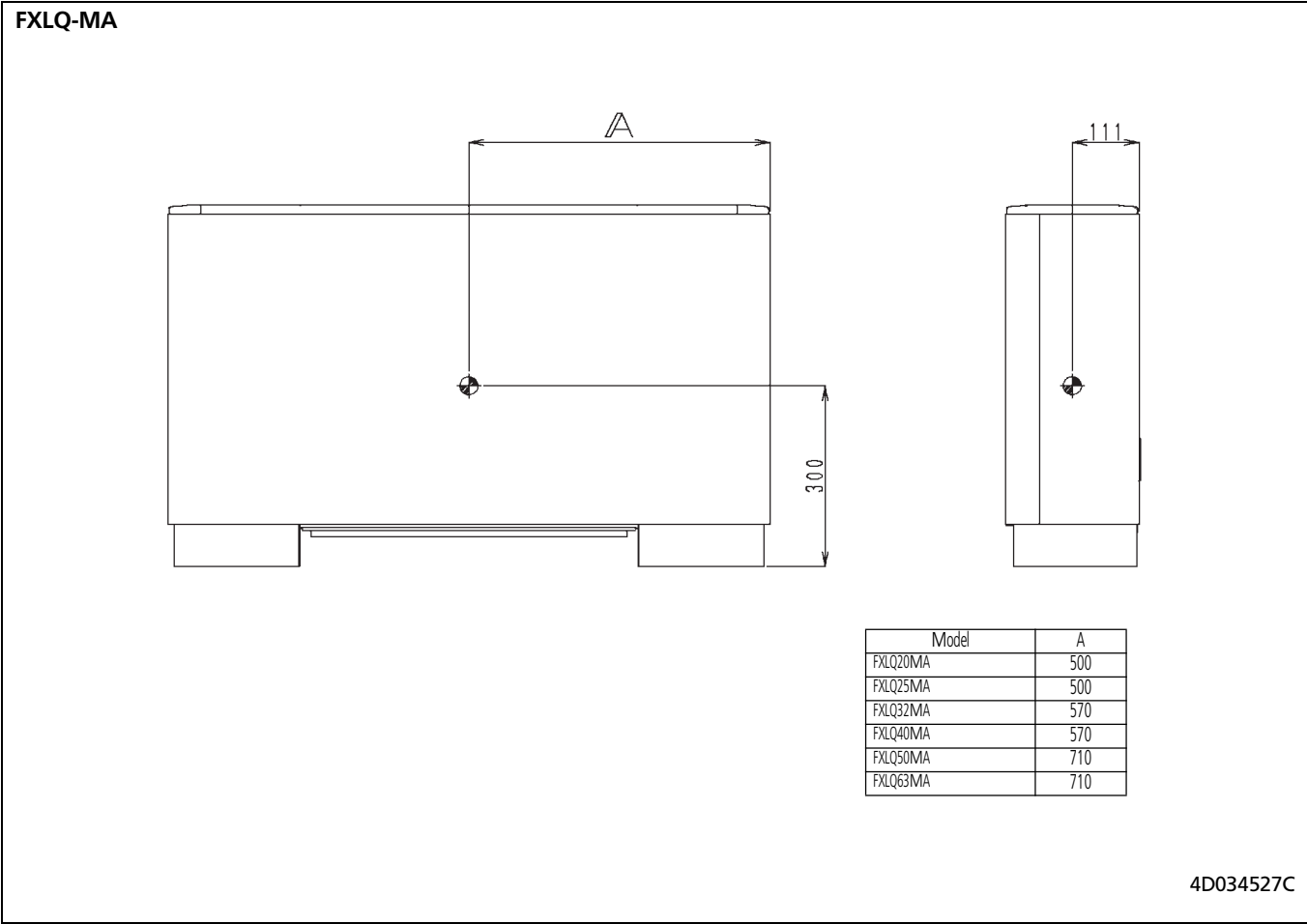
NOTES

- Location of unit's name plate: outside surface of right side plate.

3D038862B

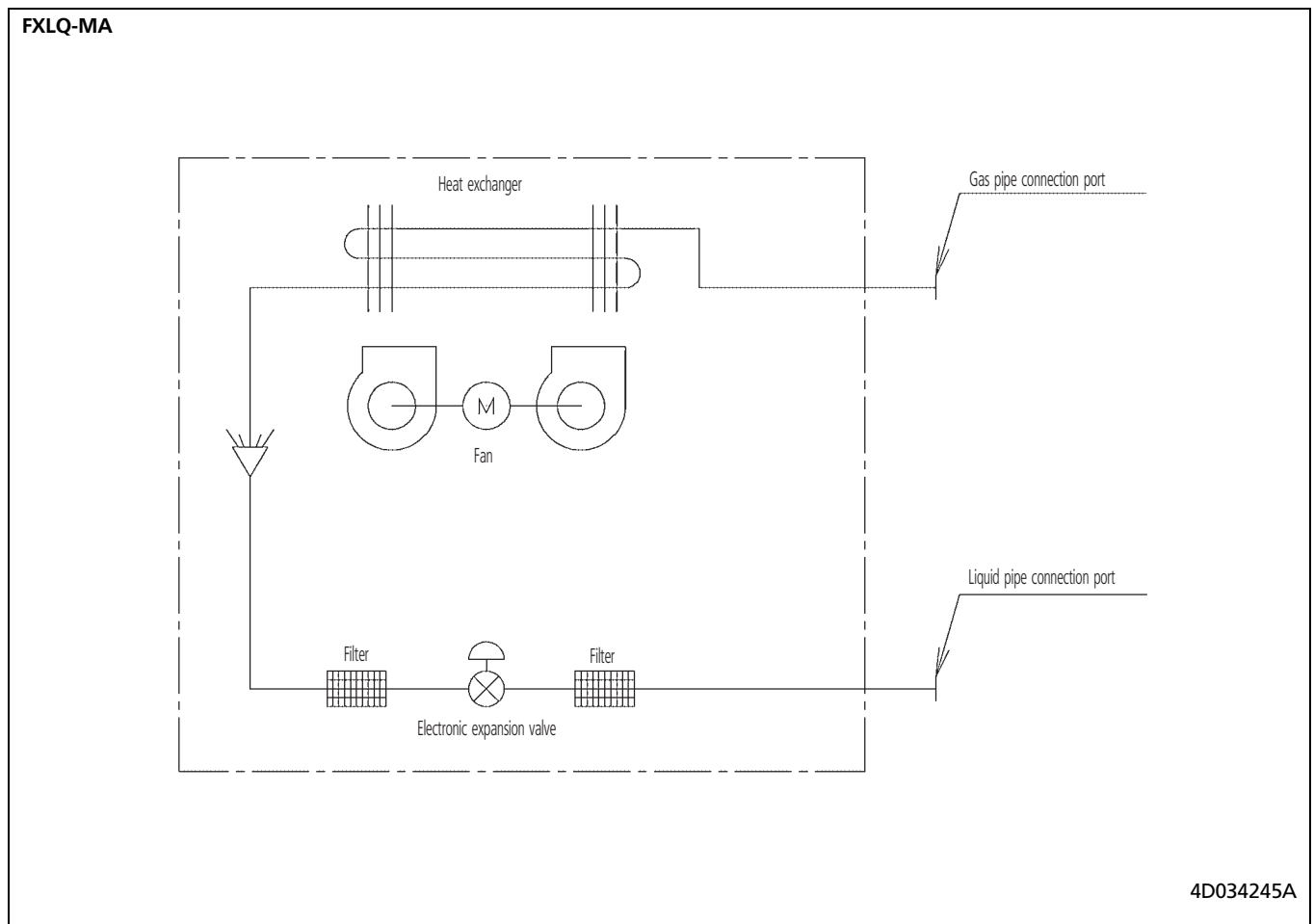
6 Dimensional drawing & centre of gravity

6 - 2 Centre of gravity



7 Piping diagram

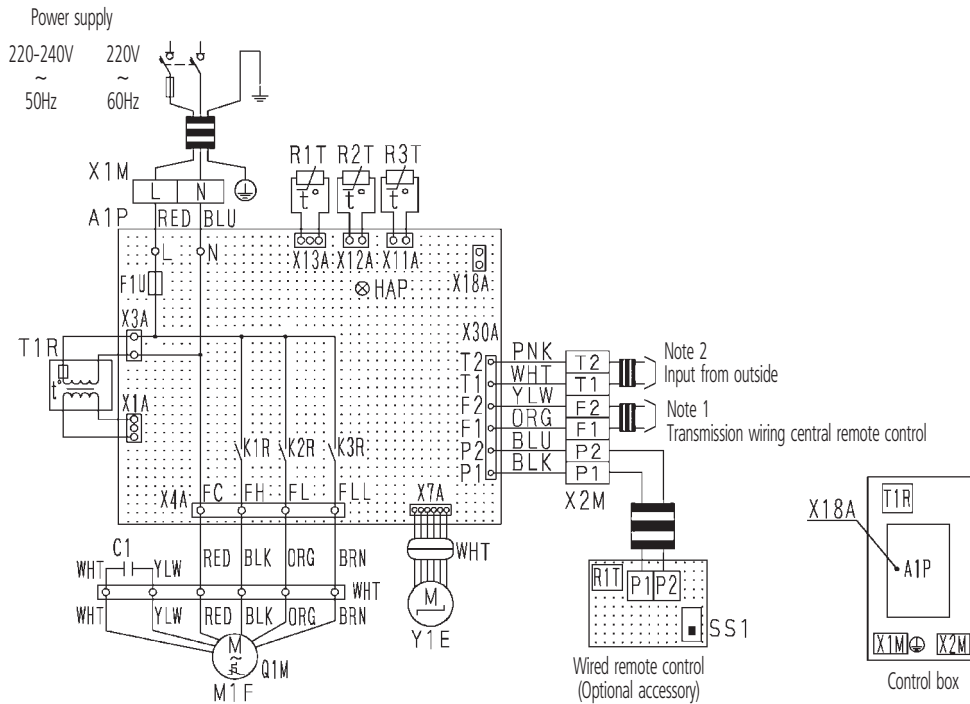
7



8 Wiring diagram

8 - 1 Wiring diagram

FXLQ-MA



Indoor unit		R2T • R3T	Thermistor (Coil)
A1P	Printed circuit board	T1R	Transformer (220-240V/22V)
C1	Capacitor (M1F)	X1M	Terminal block (Power)
F1U	Fuse (5A, 250V)	X2M	Terminal block (Control)
HAP	Light emitting diode (Service monitor-green)	Y1E	Electronic expansion valve
K1R-K3R	Magnetic relay (M1F)	Wired remote control	
M1F	Motor (Indoor fan)	R1T	Thermistor (Air)
Q1M	Thermo switch (M1F embedded)	SS1	Selector switch (Main/sub)
R1T	Thermistor (Air)	Connector for optional parts	
		X18A	Connector (Wiring adapter for electrical appendices)

: Terminal block
 : Connector
 : Terminal
 : Field wiring

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

NOTES

- In case using central remote control, connect it to the unit in accordance with the attached instruction manual.
- When connecting the input wires from the outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached to the unit.
- Use copper conductors only.

3D039826D

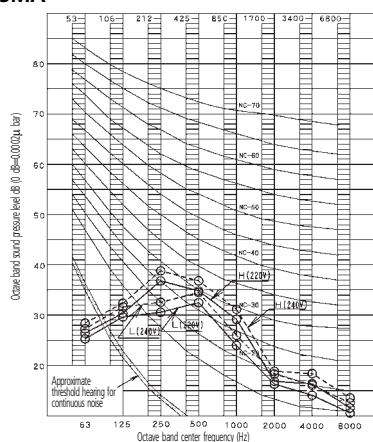
9 Sound data

9 - 1 Sound pressure spectrum

9

FXLQ20,25MA

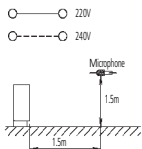
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NOTES

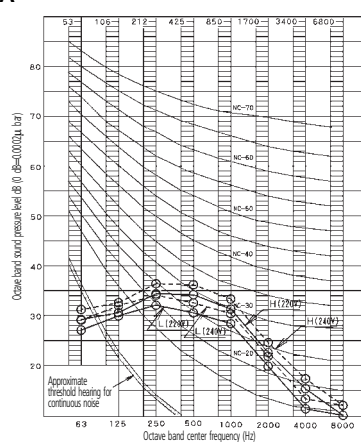
- Over all (dB):
(B, G, N is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220•240V/220V 50/60Hz
 - JIS standard
- Location of microphone
- Operating noise differs with operation and ambient conditions.

Scale	230V		240V	
	H	L	H	L
A	35	32	37	34
C	40	36.5	42	38.5



FXLQ32MA

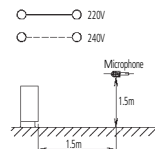
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NOTES

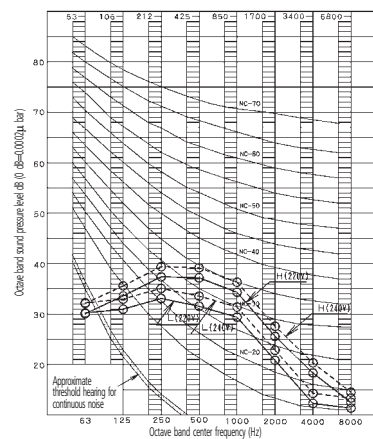
- Over all (dB):
(B, G, N is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220•240V/220V 50/60Hz
 - JIS standard
- Location of microphone
- Operating noise differs with operation and ambient conditions.

Scale	230V		240V	
	H	L	H	L
A	35	32	37	34
C	39	37	41	39



FXLQ40MA

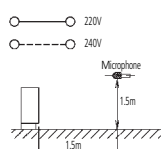
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NOTES

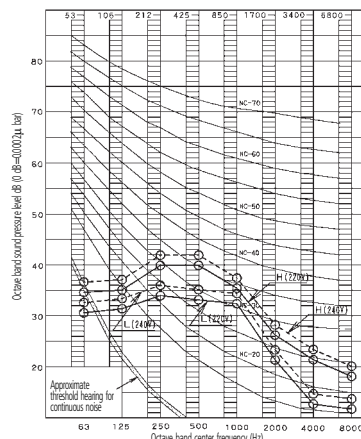
- Over all (dB):
(B, G, N is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220•240V/220V 50/60Hz
 - JIS standard
- Location of microphone
- Operating noise differs with operation and ambient conditions.

Scale	230V		240V	
	H	L	H	L
A	38	33	40	35
C	42	38	44	40



FXLQ50MA

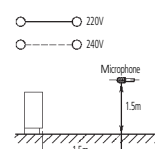
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NOTES

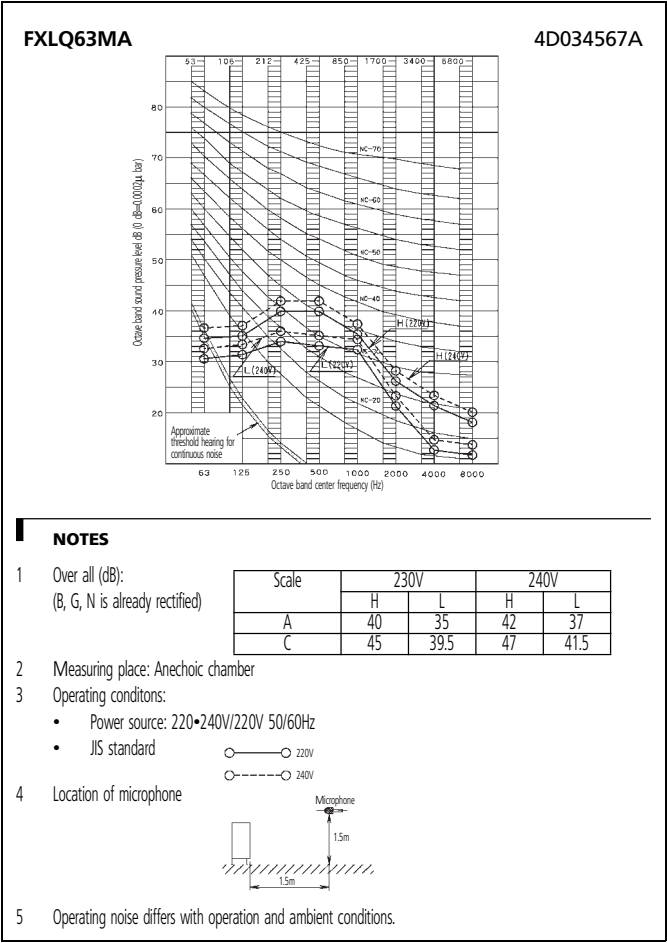
- Over all (dB):
(B, G, N is already rectified)
- Measuring place: Anechoic chamber
- Operating conditions:
 - Power source: 220•240V/220V 50/60Hz
 - JIS standard
- Location of microphone
- Operating noise differs with operation and ambient conditions.

Scale	230V		240V	
	H	L	H	L
A	39	34	41	36
C	44	38.5	46	40.5



9 Sound data

9 - 1 Sound pressure spectrum

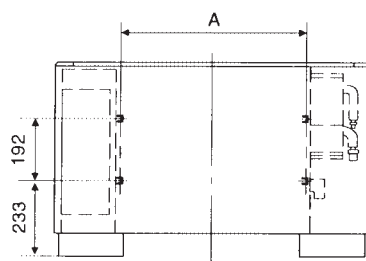


10 Installation

10 - 1 Suspension bolt pitch position

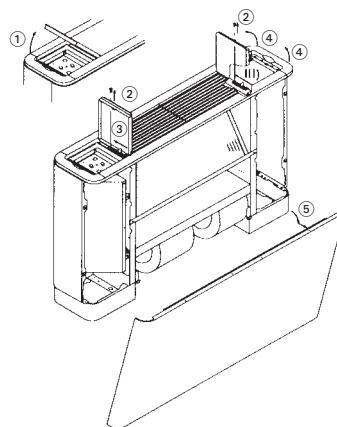
FXLQ-MA

- Positioning of holes for fastening to the wall



Model	A
FXLQ20,25MA	590
FXLQ32,40MA	730
FXLQ50,63MA	1,010

- How to open/close the front panel



- 1 Open the lid of control panel (both left and right).
- 2 Remove screws (both left and right).
- 3 Push the knobs (both left and right) to the rear.
- 4 Lift the front of the top plate.
- 5 Lower the front panel towards the front of the unit.
- 6 To close, perform the procedure in opposite order. Pull towards the front until the knob snaps in place.

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10 Installation

10 - 2 Service space

FXLQ-MA

Model	A	B
FXLQ20,25MA	570	1,030
FXLQ32,40MA	710	1,170
FXLQ50,63MA	990	1,450

NOTE

1 Leave sufficient clearance for air inlet and maintenance.

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VRV III-S
VRV III
VRV II
VRV-WII

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