

FXLQ-MAVE / FXNQ-MAVE

Floor Standing Type / Concealed Floor Standing Type

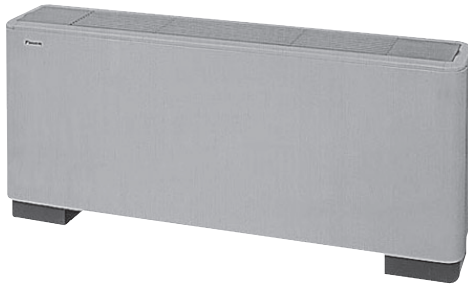
60 Hz

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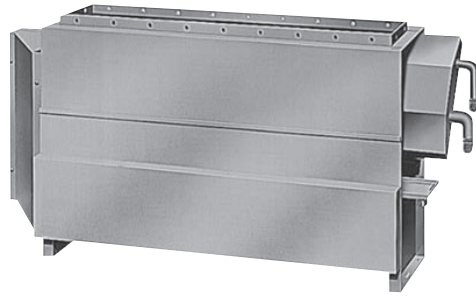
1. Lineup

Capacity range	2.2 kW	2.8 kW	3.6 kW	4.5 kW	5.6 kW	7.1 kW
	0.8 HP	1 HP	1.25 HP	1.6 HP	2 HP	2.5 HP
Capacity index	20	25	31.25	40	50	62.5
FXLQ	20MAVE	25MAVE	32MAVE	40MAVE	50MAVE	63MAVE
FXNQ	20MAVE	25MAVE	32MAVE	40MAVE	50MAVE	63MAVE

VE: 1 phase, 220-240/220 V, 50/60 Hz



FXLQ-MAVE



FXNQ-MAVE

2. Specifications

2.1 FXLQ-MAVE

Model				FXLQ20MAVE		FXLQ25MAVE	
Power supply				1 phase, 220-240/220 V, 50/60 Hz		1 phase, 220-240/220 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	1,900		2,400	
			Btu/h	7,500		9,600	
			kW	2.2		2.8	
★2 ★3 Heating capacity			kcal/h	2,200		2,800	
			Btu/h	8,500		10,900	
			kW	2.5		3.2	
Power input	Cooling	50 Hz	kW	0.049		0.049	
		60 Hz	kW	0.047		0.047	
	Heating	50 Hz	kW	0.049		0.049	
		60 Hz	kW	0.047		0.047	
Casing / Colour				Ivory white (5Y7.5/1)		Ivory white (5Y7.5/1)	
Dimensions: (H×W×D)			mm	600×1,000×222		600×1,000×222	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×14×1.5		3×14×1.5	
	Face area		m ²	0.159		0.159	
Fan	Model		D14B20		D14B20		
	Type		Sirocco fan		Sirocco fan		
	Motor output × Number of units		W	15×1		15×1	
	Airflow rate (H/L)	m ³ /min	7/6		7/6		
		l/s	116/100		116/100		
		cfm	247/212		247/212		
	Drive		Direct drive		Direct drive		
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Glass fiber / Urethane foam		Glass fiber / Urethane foam	
Air filter				Resin net (with mould resistance)		Resin net (with mould resistance)	
Piping connections	Liquid pipes		mm	φ6.4 (Flare connection)		φ6.4 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)		φ12.7 (Flare connection)	
	Drain pipe		mm	φ21 O.D (Vinyl chloride)		φ21 O.D (Vinyl chloride)	
Mass			kg	25		25	
★4 Sound pressure level (H/L)	220 V, 50/60 Hz		dB(A)	35/32		35/32	
	240 V, 50 Hz		dB(A)	37/34		37/34	
Safety devices				Fuse, Thermal protector for fan motor		Fuse, Thermal protector for fan motor	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Standard accessories				Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw		Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw	
Drawing No.	Specification			C: 3D038816A		C: 3D038816A	
	Sound level			C: 4D034528A		C: 4D034528A	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
Btu/h=kW×3412
cfm=m³/min×35.3
l/s=m³/min×1000/60

Model				FXLQ32MAVE		FXLQ40MAVE	
Power supply				1 phase, 220-240/220 V, 50/60 Hz		1 phase, 220-240/220 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	3,100		3,900	
			Btu/h	12,300		15,400	
			kW	3.6		4.5	
★2 ★3 Heating capacity			kcal/h	3,400		4,300	
			Btu/h	13,600		17,100	
			kW	4.0		5.0	
Power input	Cooling	50 Hz	kW	0.090		0.090	
		60 Hz	kW	0.079		0.084	
	Heating	50 Hz	kW	0.090		0.090	
		60 Hz	kW	0.079		0.084	
Casing / Colour				Ivory white (5Y7.5/1)		Ivory white (5Y7.5/1)	
Dimensions: (H×W×D)			mm	600×1,140×222		600×1,140×222	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×14×1.5		3×14×1.5	
	Face area		m ²	0.200		0.200	
Fan	Model			2D14B13		2D14B13	
	Type			Sirocco fan		Sirocco fan	
	Motor output × Number of units		W	25×1		25×1	
	Airflow rate (H/L)		m ³ /min	8/6		11/8.5	
			l/s	133/100		183/141	
			cfm	282/212		388/300	
	Drive			Direct drive		Direct drive	
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Glass fiber / Urethane foam		Glass fiber / Urethane foam	
Air filter				Resin net (with mould resistance)		Resin net (with mould resistance)	
Piping connections	Liquid pipes		mm	φ6.4 (Flare connection)		φ6.4 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)		φ12.7 (Flare connection)	
	Drain pipe		mm	φ21 O.D (Vinyl chloride)		φ21 O.D (Vinyl chloride)	
Mass			kg	30		30	
★4 Sound pressure level (H/L)	220 V, 50/60 Hz		dB(A)	35/32		38/33	
	240 V, 50 Hz		dB(A)	37/34		40/35	
Safety devices				Fuse, Thermal protector for fan motor		Fuse, Thermal protector for fan motor	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Standard accessories				Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw		Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw	
Drawing No.	Specification			C: 3D038816A		C: 3D038816A	
	Sound level			C: 4D034564A		C: 4D034565A	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
Btu/h=kW×3412
cfm=m³/min×35.3
l/s=m³/min×1000/60

Model				FXLQ50MAVE		FXLQ63MAVE	
Power supply				1 phase, 220-240/220 V, 50/60 Hz		1 phase, 220-240/220 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	4,800		6,100	
			Btu/h	19,100		24,200	
			kW	5.6		7.1	
★2 ★3 Heating capacity			kcal/h	5,400		6,900	
			Btu/h	21,500		27,300	
			kW	6.3		8.0	
Power input	Cooling	50 Hz	kW	0.110		0.110	
		60 Hz	kW	0.105		0.108	
	Heating	50 Hz	kW	0.110		0.110	
		60 Hz	kW	0.105		0.108	
Casing / Colour				Ivory white (5Y7.5/1)		Ivory white (5Y7.5/1)	
Dimensions: (H×W×D)			mm	600×1,420×222		600×1,420×222	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×14×1.5		3×14×1.5	
	Face area		m ²	0.282		0.282	
Fan	Model			2D14B20		2D14B20	
	Type			Sirocco fan		Sirocco fan	
	Motor output × Number of units		W	35×1		35×1	
	Airflow rate (H/L)		m ³ /min	14/11		16/12	
			l/s	233/183		266/200	
			cfm	494/388		565/424	
	Drive			Direct drive		Direct drive	
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Glass fiber / Urethane foam		Glass fiber / Urethane foam	
Air filter				Resin net (with mould resistance)		Resin net (with mould resistance)	
Piping connections	Liquid pipes		mm	φ6.4 (Flare connection)		φ9.5 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)		φ15.9 (Flare connection)	
	Drain pipe		mm	φ21 O.D (Vinyl chloride)		φ21 O.D (Vinyl chloride)	
Mass			kg	36		36	
★4 Sound pressure level (H/L)	220 V, 50/60 Hz	dB(A)	39/34		40/35		
	240 V, 50 Hz	dB(A)	41/36		42/37		
Safety devices				Fuse, Thermal protector for fan motor		Fuse, Thermal protector for fan motor	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Standard accessories				Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw		Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw	
Drawing No.	Specification			C: 3D038816A		C: 3D038816A	
	Sound level			C: 4D034566A		C: 4D034567A	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
Btu/h=kW×3412
cfm=m³/min×35.3
l/s=m³/min×1000/60

2.2 FXNQ-MAVE

Model				FXNQ20MAVE		FXNQ25MAVE	
Power supply				1 phase, 220-240/220 V, 50/60 Hz		1 phase, 220-240/220 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	1,900		2,400	
			Btu/h	7,500		9,600	
			kW	2.2		2.8	
★2 ★3 Heating capacity			kcal/h	2,200		2,800	
			Btu/h	8,500		10,900	
			kW	2.5		3.2	
Power input	Cooling	50 Hz	kW	0.049		0.049	
		60 Hz	kW	0.047		0.047	
	Heating	50 Hz	kW	0.049		0.049	
		60 Hz	kW	0.047		0.047	
Casing / Colour				Galvanized steel plate		Galvanized steel plate	
Dimensions: (H×W×D)			mm	610×930×220		610×930×220	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×14×1.5		3×14×1.5	
	Face area		m ²	0.159		0.159	
Fan	Model		D14B20		D14B20		
	Type		Sirocco fan		Sirocco fan		
	Motor output × Number of units		W	15×1		15×1	
	Airflow rate (H/L)	m ³ /min	7/6		7/6		
		l/s	116/100		116/100		
		cfm	247/212		247/212		
	Drive		Direct drive		Direct drive		
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Glass fiber / Urethane foam		Glass fiber / Urethane foam	
Air filter				Resin net (with mould resistance)		Resin net (with mould resistance)	
Piping connections	Liquid pipes		mm	φ6.4 (Flare connection)		φ6.4 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)		φ12.7 (Flare connection)	
	Drain pipe		mm	φ21 O.D (Vinyl chloride)		φ21 O.D (Vinyl chloride)	
Mass			kg	19		19	
★4 Sound pressure level (H/L)	220 V, 50/60 Hz		dB(A)	35/32		35/32	
	240 V, 50 Hz		dB(A)	37/34		37/34	
Safety devices				Fuse, Thermal protector for fan motor		Fuse, Thermal protector for fan motor	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Standard accessories				Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw		Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw	
Drawing No.	Specification			C: 3D038817A		C: 3D038817A	
	Sound level			C: 4D034534B		C: 4D034534B	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
 ★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
 ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
 ★4. Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

$$\begin{aligned} \text{kcal/h} &= \text{kW} \times 860 \\ \text{Btu/h} &= \text{kW} \times 3412 \\ \text{cfm} &= \text{m}^3/\text{min} \times 35.3 \\ \text{l/s} &= \text{m}^3/\text{min} \times 1000/60 \end{aligned}$$

Model				FXNQ32MAVE		FXNQ40MAVE	
Power supply				1 phase, 220-240/220 V, 50/60 Hz		1 phase, 220-240/220 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	3,100		3,900	
			Btu/h	12,300		15,400	
			kW	3.6		4.5	
★2 ★3 Heating capacity			kcal/h	3,400		4,300	
			Btu/h	13,600		17,100	
			kW	4.0		5.0	
Power input	Cooling	50 Hz	kW	0.090		0.090	
		60 Hz	kW	0.079		0.084	
	Heating	50 Hz	kW	0.090		0.090	
		60 Hz	kW	0.079		0.084	
Casing / Colour				Galvanized steel plate		Galvanized steel plate	
Dimensions: (H×W×D)			mm	610×1,070×220		610×1,070×220	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×14×1.5		3×14×1.5	
	Face area		m ²	0.200		0.200	
Fan	Model		2D14B13		2D14B13		
	Type		Sirocco fan		Sirocco fan		
	Motor output × Number of units		W	25×1		25×1	
	Airflow rate (H/L)		m ³ /min	8/6		11/8.5	
			l/s	133/100		183/141	
			cfm	282/212		388/300	
	Drive		Direct drive		Direct drive		
Temperature control			Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating		
Sound absorbing thermal insulation material			Glass fiber / Urethane foam		Glass fiber / Urethane foam		
Air filter			Resin net (with mould resistance)		Resin net (with mould resistance)		
Piping connections	Liquid pipes		mm	φ6.4 (Flare connection)		φ6.4 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)		φ12.7 (Flare connection)	
	Drain pipe		mm	φ21 O.D (Vinyl chloride)		φ21 O.D (Vinyl chloride)	
Mass			kg	23		23	
★4 Sound pressure level (H/L)	220 V, 50/60 Hz		dB(A)	35/32		38/33	
	240 V, 50 Hz		dB(A)	37/34		40/35	
Safety devices			Fuse, Thermal protector for fan motor		Fuse, Thermal protector for fan motor		
Refrigerant control			Electronic expansion valve		Electronic expansion valve		
Standard accessories			Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw		Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw		
Drawing No.	Specification			C: 3D038817A		C: 3D038817A	
	Sound level			C: 4D034535A		C: 4D034536B	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
★4. Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

Conversion formulae

kcal/h=kW×860
Btu/h=kW×3412
cfm=m³/min×35.3
l/s=m³/min×1000/60

Model				FXNQ50MAVE		FXNQ63MAVE	
Power supply				1 phase, 220-240/220 V, 50/60 Hz		1 phase, 220-240/220 V, 50/60 Hz	
★1 ★3 Cooling capacity			kcal/h	4,800		6,100	
			Btu/h	19,100		24,200	
			kW	5.6		7.1	
★2 ★3 Heating capacity			kcal/h	5,400		6,900	
			Btu/h	21,500		27,300	
			kW	6.3		8.0	
Power input	Cooling	50 Hz	kW	0.110		0.110	
		60 Hz	kW	0.105		0.108	
	Heating	50 Hz	kW	0.110		0.110	
		60 Hz	kW	0.105		0.108	
Casing / Colour				Galvanized steel plate		Galvanized steel plate	
Dimensions: (H×W×D)			mm	610×1,350×220		610×1,350×220	
Coil (Cross fin coil)	Rows × Stages × Fin pitch		mm	3×14×1.5		3×14×1.5	
	Face area		m²	0.282		0.282	
Fan	Model			2D14B20		2D14B20	
	Type			Sirocco fan		Sirocco fan	
	Motor output × Number of units		W	35×1		35×1	
	Airflow rate (H/L)		m³/min	14/11		16/12	
			l/s	233/183		266/200	
			cfm	494/388		565/424	
	Drive			Direct drive		Direct drive	
Temperature control				Microprocessor thermostat for cooling and heating		Microprocessor thermostat for cooling and heating	
Sound absorbing thermal insulation material				Glass fiber / Urethane foam		Glass fiber / Urethane foam	
Air filter				Resin net (with mould resistance)		Resin net (with mould resistance)	
Piping connections	Liquid pipes		mm	φ6.4 (Flare connection)		φ9.5 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)		φ15.9 (Flare connection)	
	Drain pipe		mm	φ21 O.D (Vinyl chloride)		φ21 O.D (Vinyl chloride)	
Mass			kg	27		27	
★4 Sound pressure level (H/L)	220 V, 50/60 Hz		dB(A)	39/34		40/35	
	240 V, 50 Hz		dB(A)	41/36		42/37	
Safety devices				Fuse, Thermal protector for fan motor		Fuse, Thermal protector for fan motor	
Refrigerant control				Electronic expansion valve		Electronic expansion valve	
Standard accessories				Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw		Operation manual, Installation manual, Insulation for fitting, Drain hose, Clamps, Screws, Washers, Level adjustment screw	
Drawing No.	Specification			C: 3D038817A		C: 3D038817A	
	Sound level			C: 4D034537B		C: 4D034538B	

Notes:

- ★1. Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.
 ★2. Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.
 ★3. Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
 ★4. Anechoic chamber conversion value, measured at a point 1.5 m in front of the unit at a height of 1.5 m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

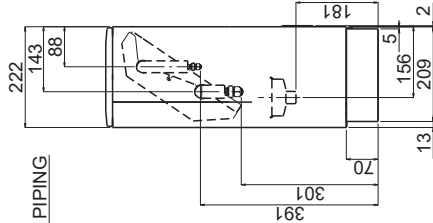
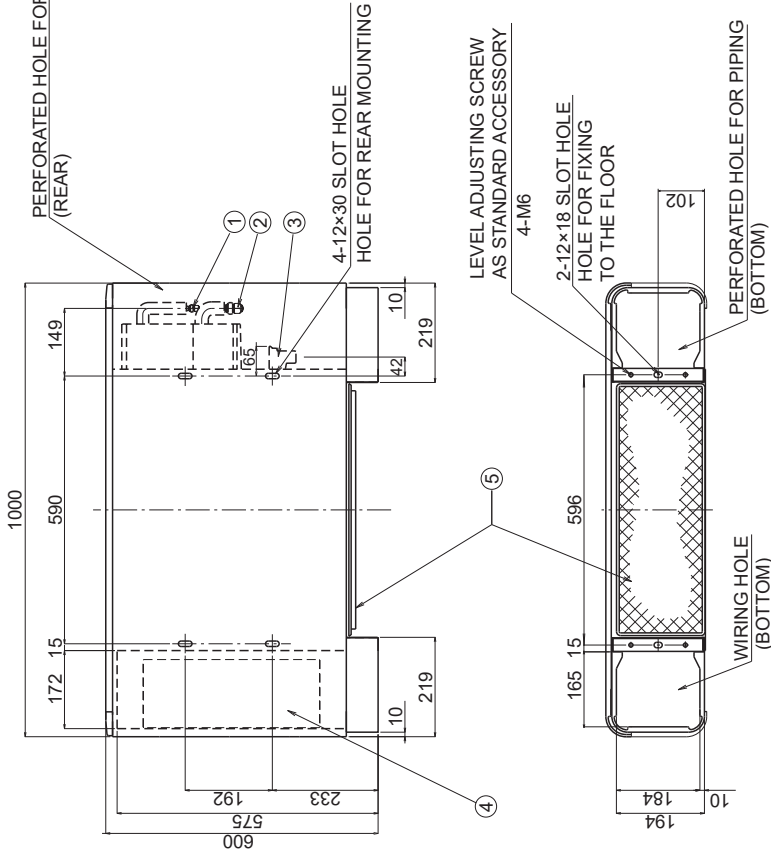
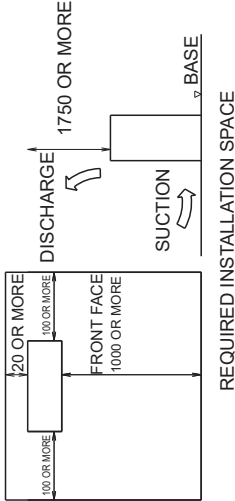
Conversion formulae

kcal/h=kW×860
 Btu/h=kW×3412
 cfm=m³/min×35.3
 l/s=m³/min×1000/60

3. Dimensions

3.1 FXLQ-MAVE
FXLQ20MAVE / FXLQ25MAVE

Unit: mm



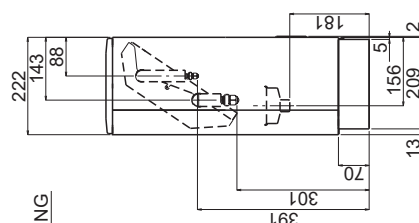
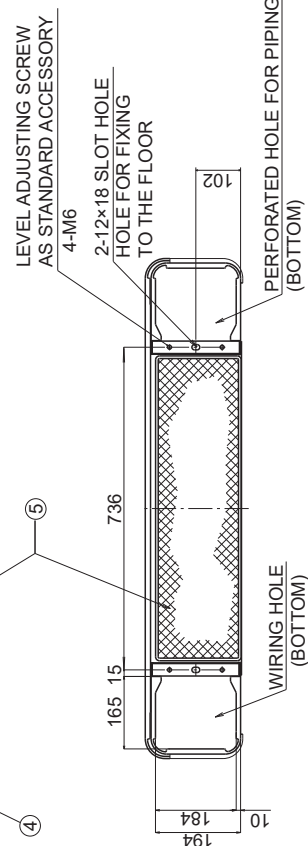
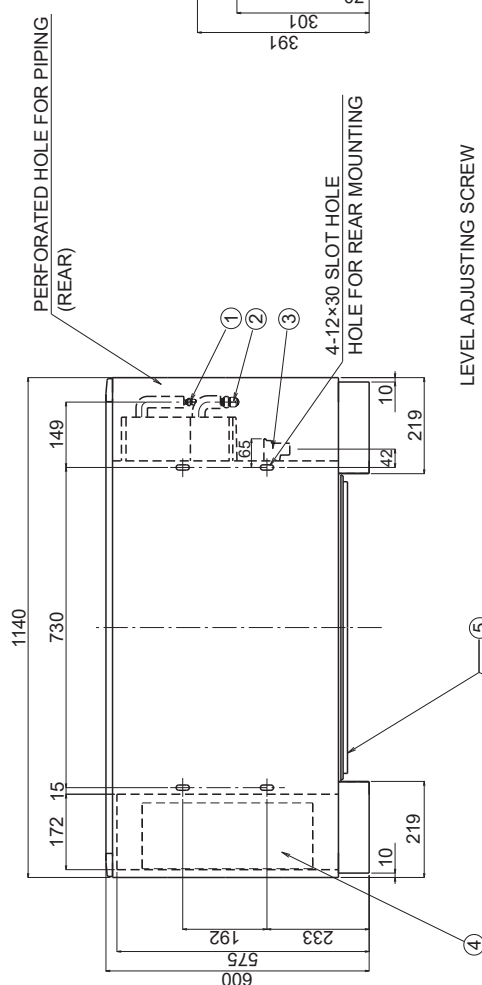
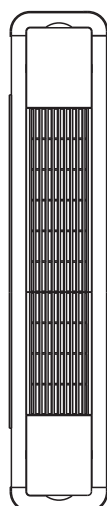
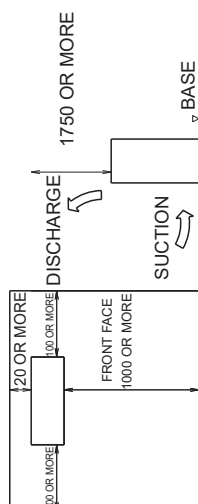
NOTE)
1. LOCATION OF UNIT'S NAME PLATE:
OUTSIDE SURFACE OF RIGHT SIDE PLATE.

NUMBER	NAME	DESCRIPTION
1	LIQUID PIPE CONNECTION PORT	φ6.4 FLARE CONNECTION
2	GAS PIPE CONNECTION PORT	φ12.7 FLARE CONNECTION
3	DRAIN PIPE CONNECTION PORT	O. D. 21
4	SWITCH BOX	
5	AIR FILTER	

C: 3D038860B

FXLQ32MAVE / FXLQ40MAVE

Unit: mm



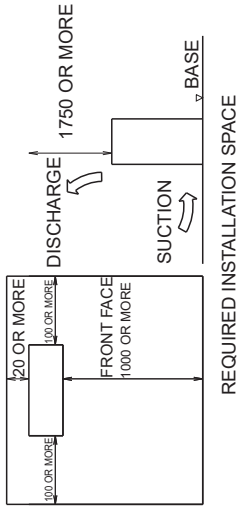
NOTE)
1. LOCATION OF UNIT'S NAME PLATE:
OUTSIDE SURFACE OF RIGHT SIDE PLATE.

NUMBER	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	O. D. 21
4	SWITCH BOX	
5	AIR FILTER	

C: 3D038861B

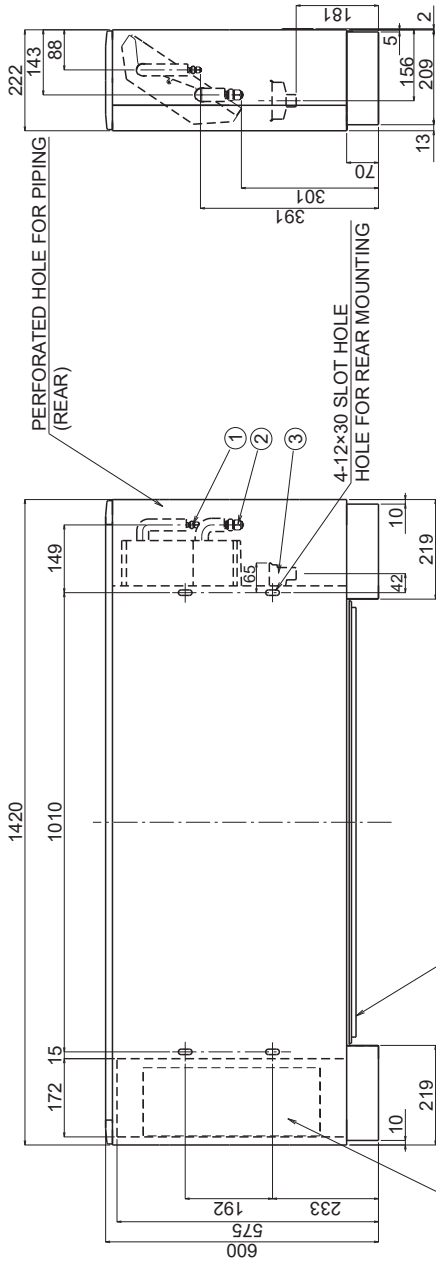
FXLQ50MAVE / FXLQ63MAVE

Unit: mm



Piping size (Field supply)

Indoor unit	Gas side	Liquid side
FXLQ50M (A) VE	φ12.7	φ6.4
FXLQ63M (A) VE	φ15.9	φ9.5



LEVEL ADJUSTING SCREW
AS STANDARD ACCESSORY

4-M6

2-12x18 SLOT HOLE
HOLE FOR FIXING
TO THE FLOOR

102

PERFORATED HOLE FOR PIPING
(BOTTOM)

WIRING HOLE
(BOTTOM)

NOTE)
1. LOCATION OF UNIT'S NAME PLATE:
OUTSIDE SURFACE OF RIGHT SIDE PLATE.

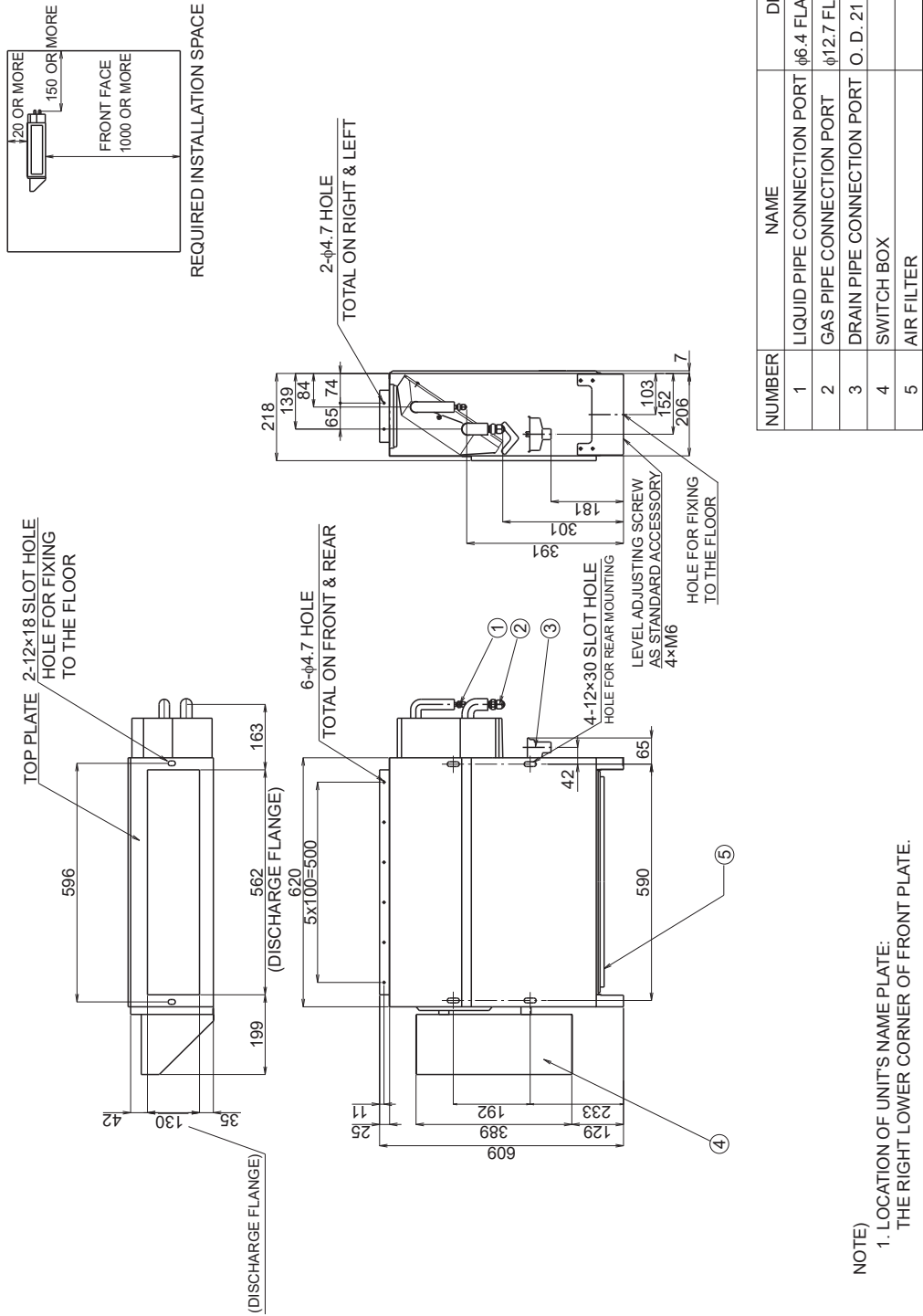
NUMBER	NAME	DESCRIPTION
1	LIQUID PIPE CONNECTION	FLARE CONNECTION
2	GAS PIPE CONNECTION	FLARE CONNECTION
3	DRAIN PIPE CONNECTION PORT	O. D. 21
4	SWITCH BOX	
5	AIR FILTER	

C: 3D038862B

3.2 FXNQ-MAVE

FXNQ20MAVE / FXNQ25MAVE

Unit: mm

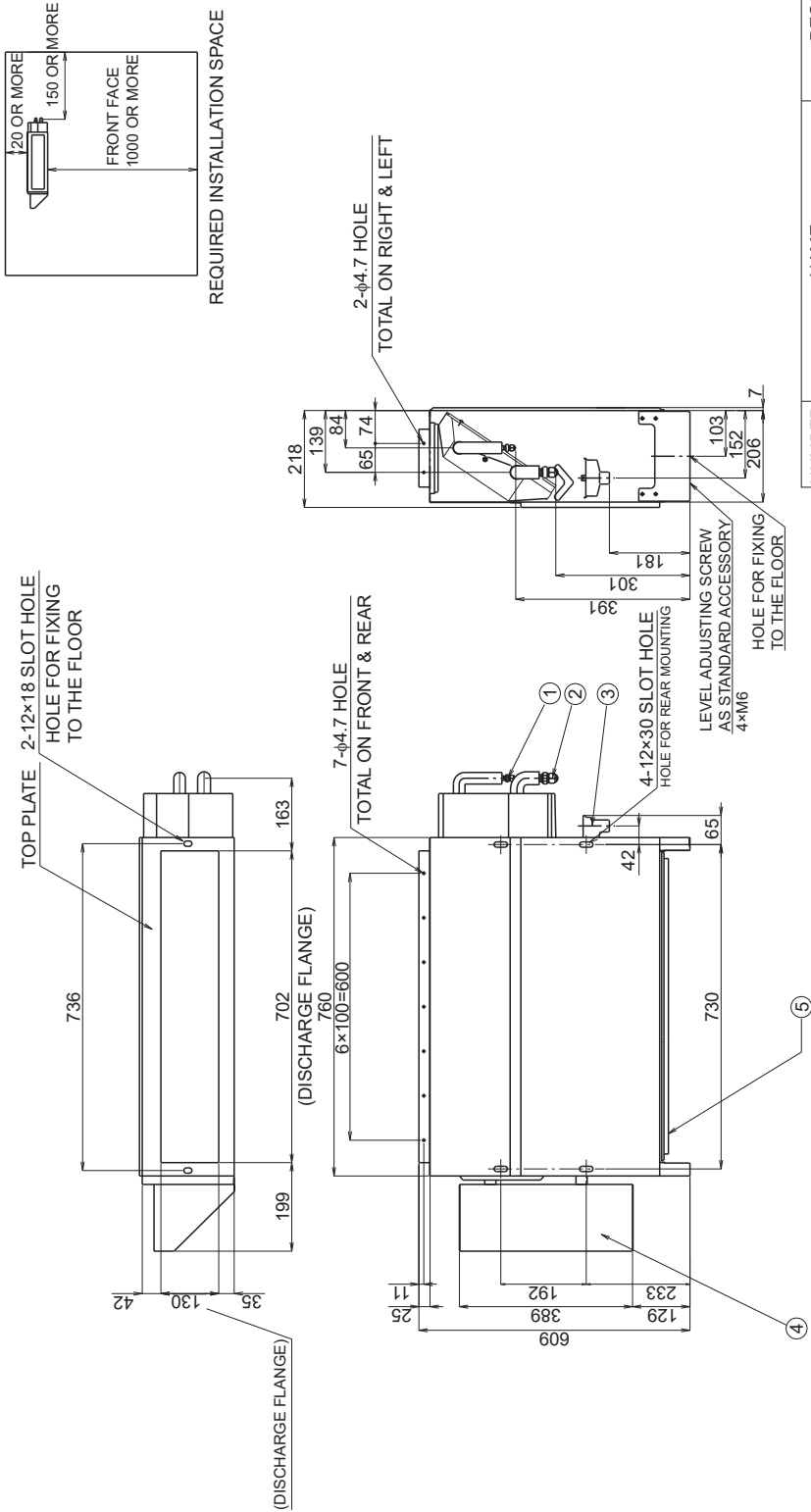


NOTE)
1. LOCATION OF UNIT'S NAME PLATE:
THE RIGHT LOWER CORNER OF FRONT PLATE.

3D038863B

FXNQ32MAVE / FXNQ40MAVE

Unit: mm



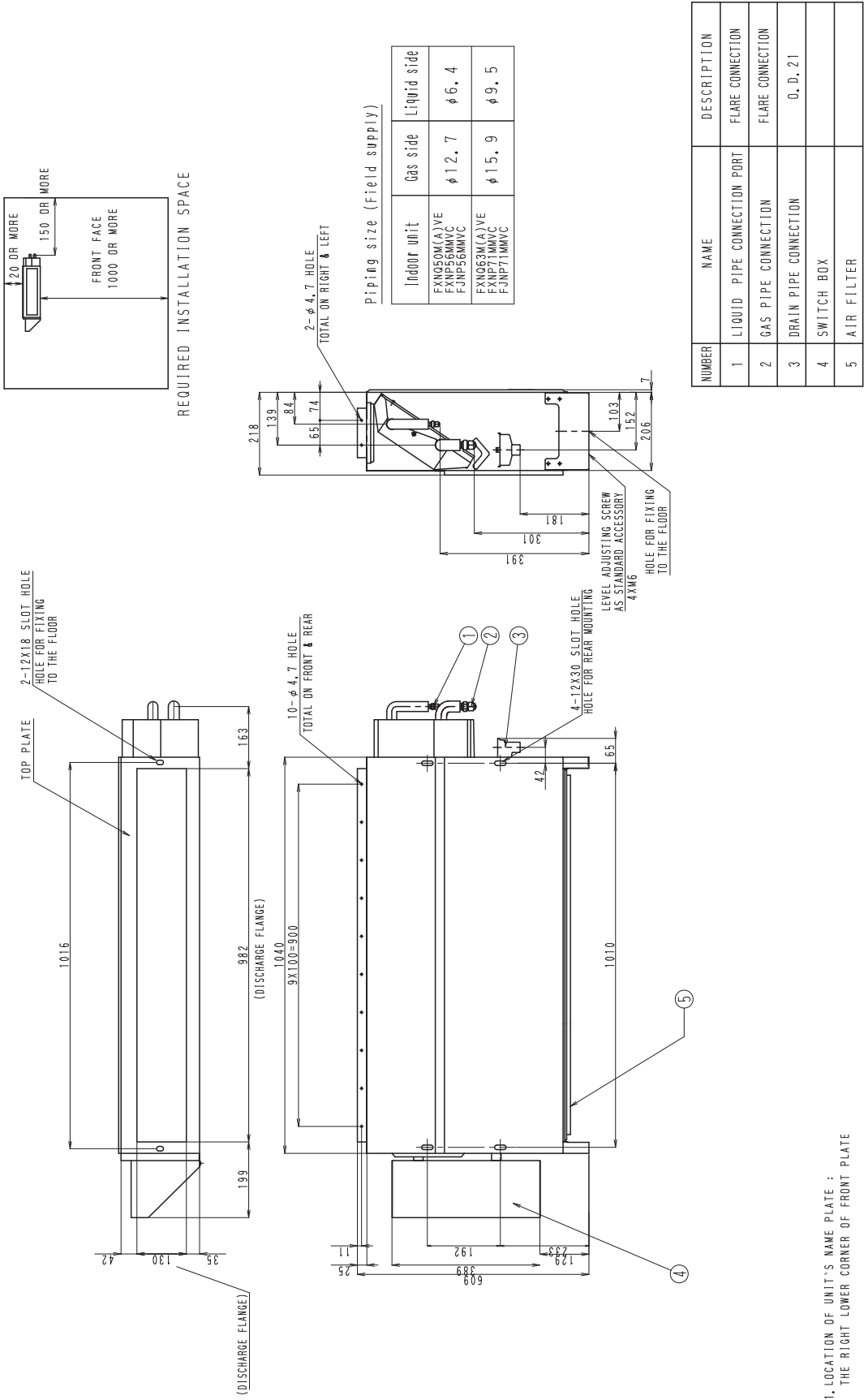
NUMBER	NAME	DESCRIPTION
1	LIQUID PIPE CONNECTION PORT	ø6.4 FLARE CONNECTION
2	GAS PIPE CONNECTION PORT	ø12.7 FLARE CONNECTION
3	DRAIN PIPE CONNECTION PORT	O. D. 21
4	SWITCH BOX	
5	AIR FILTER	

NOTE)
1. LOCATION OF UNIT'S NAME PLATE:
THE RIGHT LOWER CORNER OF FRONT PLATE.

3D038864C

FXNQ50MAVE / FXNQ63MAVE

Unit: mm

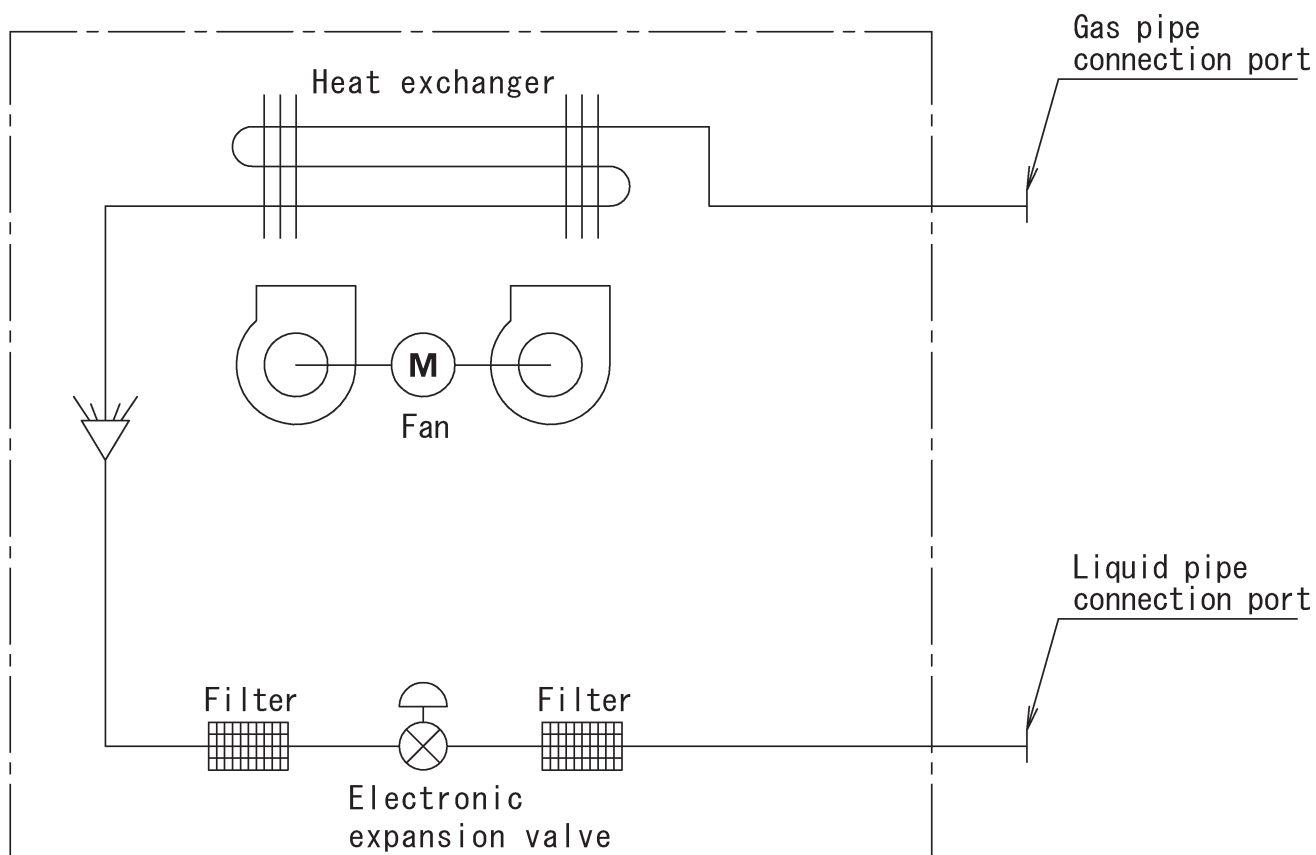


1. LOCATION OF UNIT'S NAME PLATE :
THE RIGHT LOWER CORNER OF FRONT PLATE

3D038865C

4. Piping Diagrams

FXLQ20MAVE / FXLQ25MAVE / FXLQ32MAVE / FXLQ40MAVE / FXLQ50MAVE / FXLQ63MAVE
FXNQ20MAVE / FXNQ25MAVE / FXNQ32MAVE / FXNQ40MAVE / FXNQ50MAVE / FXNQ63MAVE



APPLICABLE MODEL

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

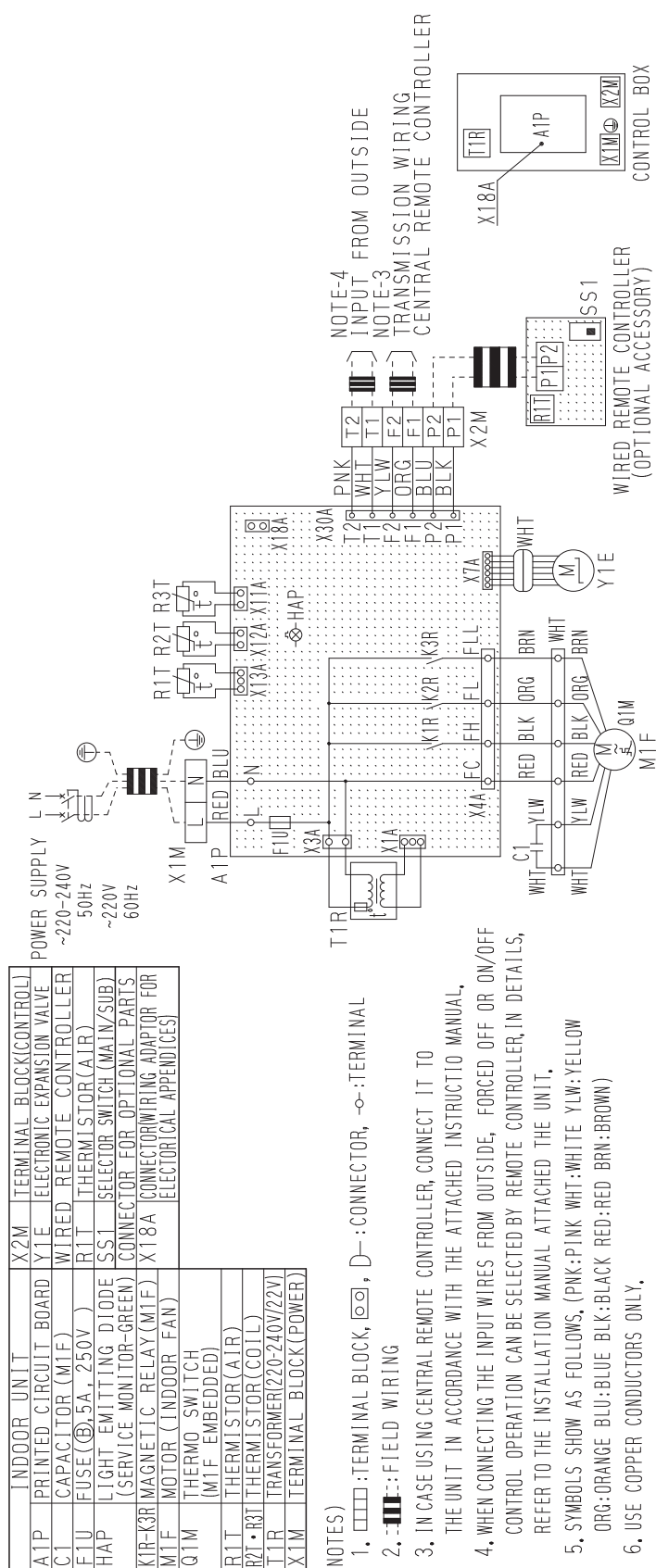
4D034245R

■ Refrigerant pipe connection port diameters

Model	Unit: mm	
	Gas	Liquid
FXLQ20MAVE / FXLQ25MAVE / FXLQ32MAVE / FXLQ40MAVE / FXLQ50MAVE FXNQ20MAVE / FXNQ25MAVE / FXNQ32MAVE / FXNQ40MAVE / FXNQ50MAVE	φ12.7	φ6.4
FXLQ63MAVE FXNQ63MAVE	φ15.9	φ9.5

5. Wiring Diagrams

FXLQ20MAVE / FXLQ25MAVE / FXLQ32MAVE / FXLQ40MAVE / FXLQ50MAVE / FXLQ63MAVE
FXNQ20MAVE / FXNQ25MAVE / FXNQ32MAVE / FXNQ40MAVE / FXNQ50MAVE / FXNQ63MAVE



C: 3D039826G

6. Electric Characteristics

FXLQ20MAVE / FXLQ25MAVE / FXLQ32MAVE / FXLQ40MAVE / FXLQ50MAVE / FXLQ63MAVE FXNQ20MAVE / FXNQ25MAVE / FXNQ32MAVE / FXNQ40MAVE / FXNQ50MAVE / FXNQ63MAVE

Units				Power supply		IFM		Input(W)	
Model	Hz	Volts	Voltage range	MCA	MFA	KW	FLA	Cooling	Heating
FXLQ • FXNQ20MAVE	50	220-240	MAX. 264 Min. 198	0.3	15	0.015	0.2	49	49
FXLQ • FXNQ25MAVE				0.3	15	0.015	0.2	49	49
FXLQ • FXNQ32MAVE				0.6	15	0.025	0.5	90	90
FXLQ • FXNQ40MAVE				0.6	15	0.025	0.5	90	90
FXLQ • FXNQ50MAVE				0.6	15	0.035	0.5	110	110
FXLQ • FXNQ63MAVE				0.6	15	0.035	0.5	110	110
FXLQ • FXNQ20MAVE	60	220	MAX. 242 Min. 198	0.3	15	0.015	0.2	47	47
FXLQ • FXNQ25MAVE				0.3	15	0.015	0.2	47	47
FXLQ • FXNQ32MAVE				0.5	15	0.025	0.4	79	79
FXLQ • FXNQ40MAVE				0.5	15	0.025	0.4	84	84
FXLQ • FXNQ50MAVE				0.6	15	0.035	0.5	105	105
FXLQ • FXNQ63MAVE				0.6	15	0.035	0.5	108	108

Symbols :

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

Note :

1. Voltage range

Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits,

2. Maximum allowable voltage unbalance between phases is 2%.

3. MCA/MFA

$$MCA = 1.25 \times FLA$$

$$MFA \leq 4 \times FLA$$

(Next lower standard fuse rating. Min.15A)

4. Select wire size based on the MCA.

5. Instead of fuse, use Circuit Breaker.

7. Safety Devices Setting

Model		FXLQ20MAVE FXNQ20MAVE	FXLQ25MAVE FXNQ25MAVE	FXLQ32MAVE FXNQ32MAVE
PCB fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal fuse	°C	—	—	—
Fan motor thermal protector	°C	OFF : 135±10 ON : 120 or less	OFF : 135±10 ON : 120 or less	OFF : 135±10 ON : 120 or less

Model		FXLQ40MAVE FXNQ40MAVE	FXLQ50MAVE FXNQ50MAVE	FXLQ63MAVE FXNQ63MAVE
PCB fuse		250 V, 5 A	250 V, 5 A	250 V, 5 A
Fan motor thermal fuse	°C	—	—	—
Fan motor thermal protector	°C	OFF : 135±10 ON : 120 or less	OFF : 135±10 ON : 120 or less	OFF : 135±10 ON : 120 or less

C: 3D034529G

8. Capacity Tables

8.1 Cooling Capacity for Te: Auto

Model	Capacity indication	Indoor air temp.													
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
FXLQ20MAVE	20	1.9	1.7	2.1	1.8	2.2	1.8	2.2	1.7	2.2	1.6	2.3	1.5	2.3	1.4
FXLQ25MAVE	25	2.5	1.9	2.6	2.1	2.8	2.2	2.8	2.1	2.8	2.0	2.9	1.9	3.0	1.8
FXLQ32MAVE	32	3.2	2.4	3.4	2.6	3.5	2.7	3.6	2.5	3.6	2.3	3.7	2.3	3.8	2.2
FXLQ40MAVE	40	4.0	3.1	4.2	3.3	4.4	3.4	4.5	3.1	4.6	3.1	4.7	3.0	4.8	2.8
FXLQ50MAVE	50	4.9	3.9	5.3	4.1	5.5	4.2	5.6	3.9	5.7	3.9	5.8	3.7	5.9	3.4
FXLQ63MAVE	63	6.3	4.7	6.7	5.1	7.0	5.3	7.1	4.9	7.2	4.7	7.3	4.5	7.5	4.1
FXNQ20MAVE	20	1.9	1.7	2.1	1.8	2.2	1.8	2.2	1.7	2.2	1.6	2.3	1.5	2.3	1.4
FXNQ25MAVE	25	2.5	1.9	2.6	2.1	2.8	2.2	2.8	2.1	2.8	2.0	2.9	1.9	3.0	1.8
FXNQ32MAVE	32	3.2	2.4	3.4	2.6	3.5	2.7	3.6	2.5	3.6	2.3	3.7	2.3	3.8	2.2
FXNQ40MAVE	40	4.0	3.1	4.2	3.3	4.4	3.4	4.5	3.1	4.6	3.1	4.7	3.0	4.8	2.8
FXNQ50MAVE	50	4.9	3.9	5.3	4.1	5.5	4.2	5.6	3.9	5.7	3.9	5.8	3.7	5.9	3.4
FXNQ63MAVE	63	6.3	4.7	6.7	5.1	7.0	5.3	7.1	4.9	7.2	4.7	7.3	4.5	7.5	4.1

TC: Total capacity: kW

SHC: Sensible heat capacity: kW

Notes:

- These capacity tables are for use when selecting a **VRV** indoor unit. The actual capacity of the **VRV** system depends on factors such as the selected model of outdoor units, outdoor air temperature and piping length. Please confirm that the corrected capacity of the **VRV** system satisfies the required heat load.
- shows rated condition.

8.2 Cooling Capacity for Te: 6°C

Model	Capacity indication	Indoor air temp.													
		14°CWB		16°CWB		18°CWB		19°CWB		20°CWB		22°CWB		24°CWB	
		20°CDB		23°CDB		26°CDB		27°CDB		28°CDB		30°CDB		32°CDB	
		TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
FXLQ20MAVE	20	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.6	2.3	1.5	2.3	1.4
FXLQ25MAVE	25	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	2.8	2.0	2.9	1.9	3.0	1.8
FXLQ32MAVE	32	2.4	1.9	2.9	2.2	3.4	2.5	3.6	2.5	3.6	2.3	3.7	2.3	3.8	2.2
FXLQ40MAVE	40	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.6	3.1	4.7	3.0	4.8	2.8
FXLQ50MAVE	50	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	5.7	3.9	5.8	3.7	5.9	3.4
FXLQ63MAVE	63	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.2	4.7	7.4	4.5	7.5	4.1
FXNQ20MAVE	20	1.5	1.3	1.8	1.5	2.1	1.7	2.2	1.7	2.2	1.6	2.3	1.5	2.3	1.4
FXNQ25MAVE	25	1.9	1.6	2.3	1.8	2.6	2.0	2.8	2.1	2.8	2.0	2.9	1.9	3.0	1.8
FXNQ32MAVE	32	2.4	1.9	2.9	2.2	3.4	2.5	3.6	2.5	3.6	2.3	3.7	2.3	3.8	2.2
FXNQ40MAVE	40	3.0	2.5	3.6	2.7	4.2	3.1	4.5	3.1	4.6	3.1	4.7	3.0	4.8	2.8
FXNQ50MAVE	50	3.8	3.0	4.5	3.4	5.2	3.8	5.6	3.9	5.7	3.9	5.8	3.7	5.9	3.4
FXNQ63MAVE	63	4.8	3.7	5.7	4.2	6.6	4.8	7.1	4.9	7.2	4.7	7.4	4.5	7.5	4.1

TC: Total capacity: kW

SHC: Sensible heat capacity: kW

Notes:

- These capacity tables are for use when selecting a **VRV** indoor unit. The actual capacity of the **VRV** system depends on factors such as the selected model of outdoor units, outdoor air temperature and piping length. Please confirm that the corrected capacity of the **VRV** system satisfies the required heat load.
- shows rated condition.

8.3 Heating Capacity

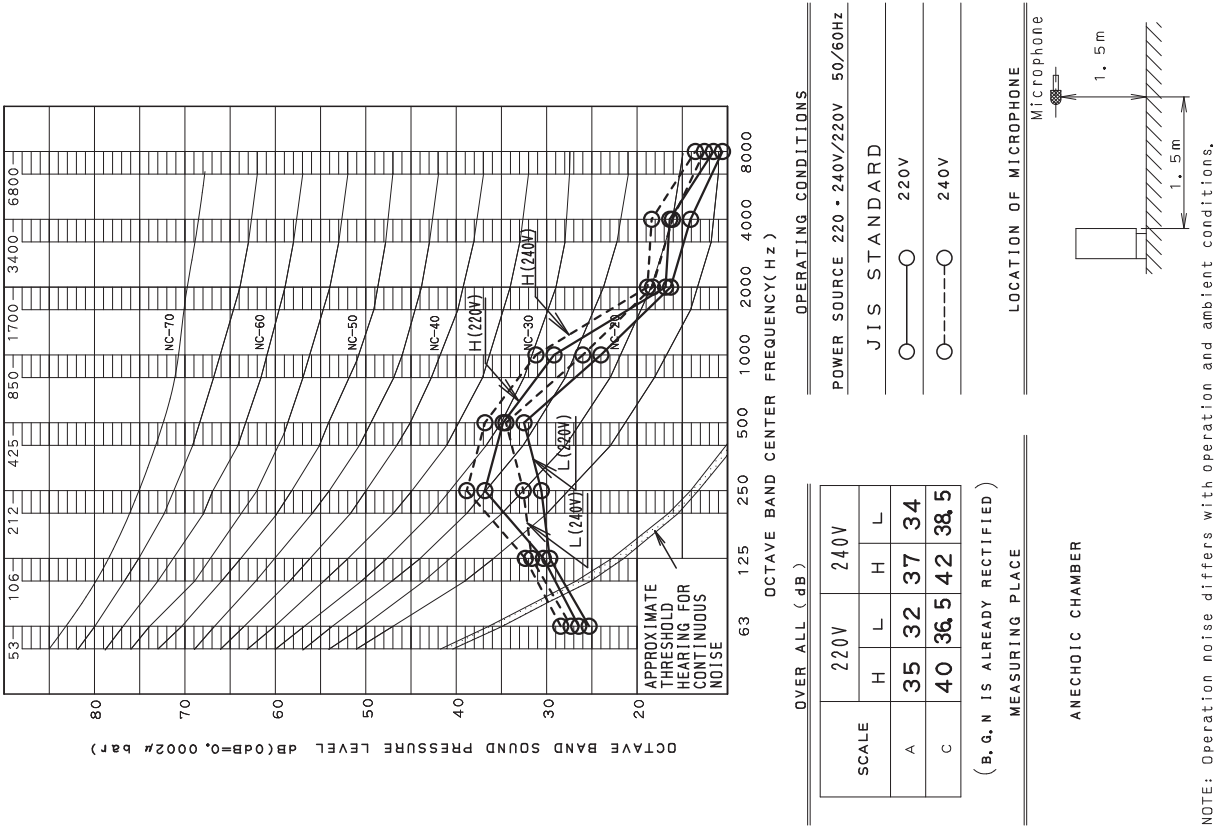
Model	Capacity indication	Indoor air temp.					
		16°CDB	18°CDB	20°CDB	21°CDB	22°CDB	24°CDB
		kW	kW	kW	kW	kW	kW
FXLQ20MAVE	20	2.6	2.6	2.5	2.4	2.3	2.2
FXLQ25MAVE	25	3.4	3.4	3.2	3.1	3.0	2.8
FXLQ32MAVE	32	4.2	4.2	4.0	3.9	3.7	3.5
FXLQ40MAVE	40	5.2	5.2	5.0	4.8	4.7	4.4
FXLQ50MAVE	50	6.6	6.6	6.3	6.1	5.9	5.5
FXLQ63MAVE	63	8.4	8.4	8.0	7.7	7.5	7.0
FXNQ20MAVE	20	2.6	2.6	2.5	2.4	2.3	2.2
FXNQ25MAVE	25	3.4	3.4	3.2	3.1	3.0	2.8
FXNQ32MAVE	32	4.2	4.2	4.0	3.9	3.7	3.5
FXNQ40MAVE	40	5.2	5.2	5.0	4.8	4.7	4.4
FXNQ50MAVE	50	6.6	6.6	6.3	6.1	5.9	5.5
FXNQ63MAVE	63	8.4	8.4	8.0	7.7	7.5	7.0

Notes:

1. These capacity tables are for use when selecting a **VRV** indoor unit. The actual capacity of the **VRV** system depends on factors such as the selected model of outdoor units, outdoor air temperature and piping length. Please confirm that the corrected capacity of the **VRV** system satisfies the required heat load.
2. shows rated condition.

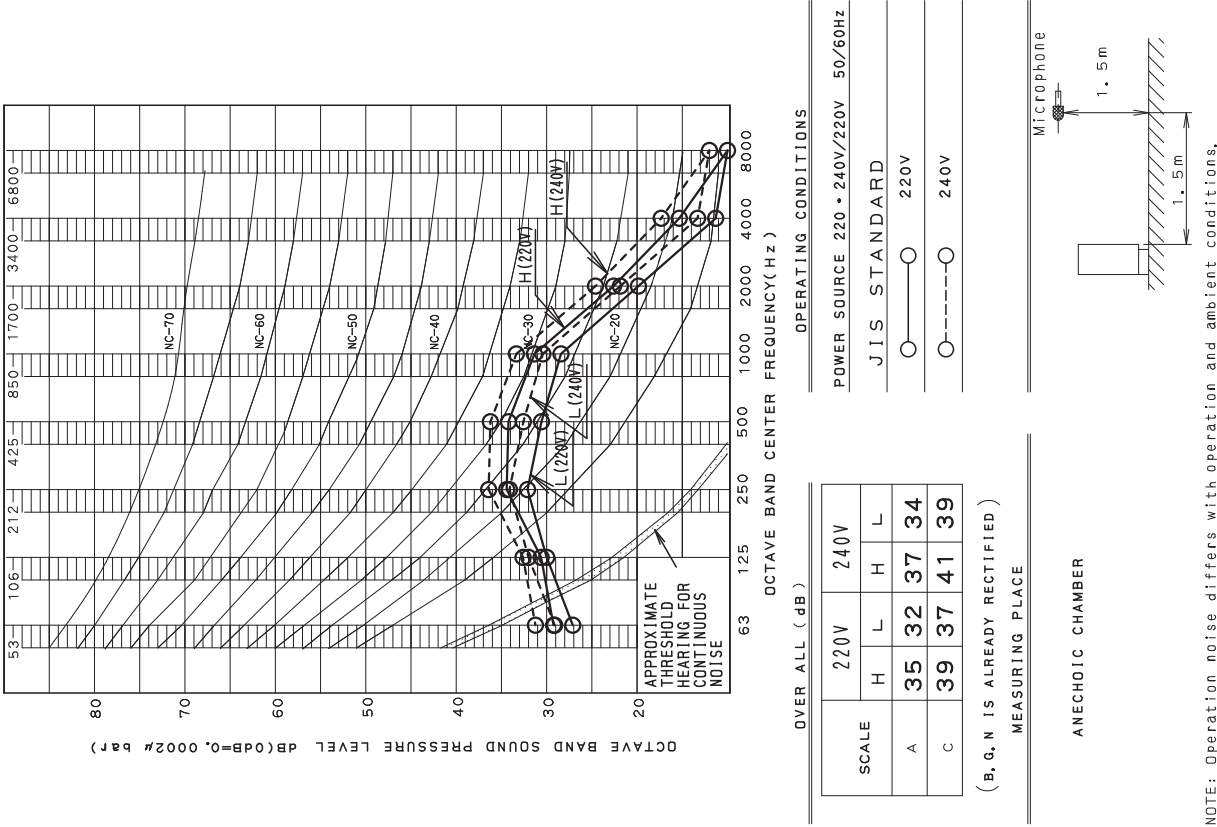
9. Sound Levels

9.1 FXLQ-MAVE
FXLQ20MAVE / FXLQ25MAVE



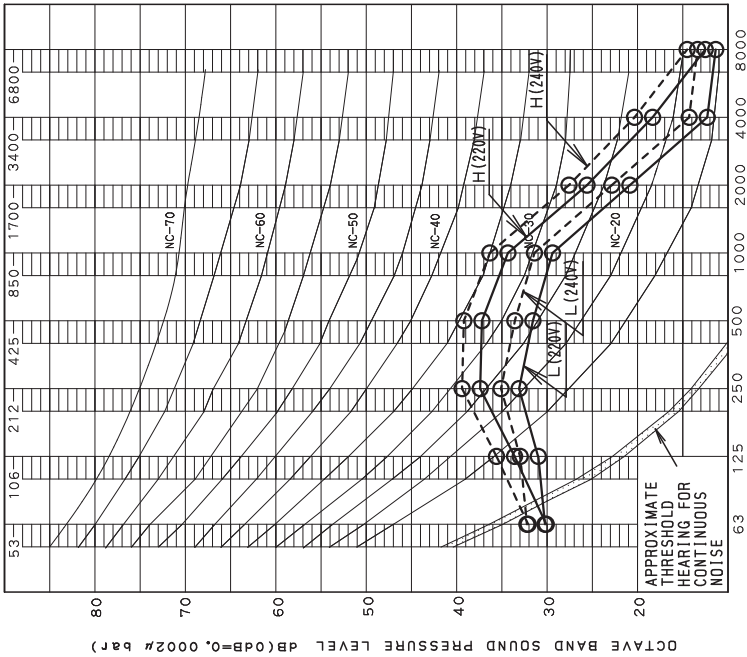
4D034528A

FXLQ32MAVE



4D034564A

FXLQ40MAVE

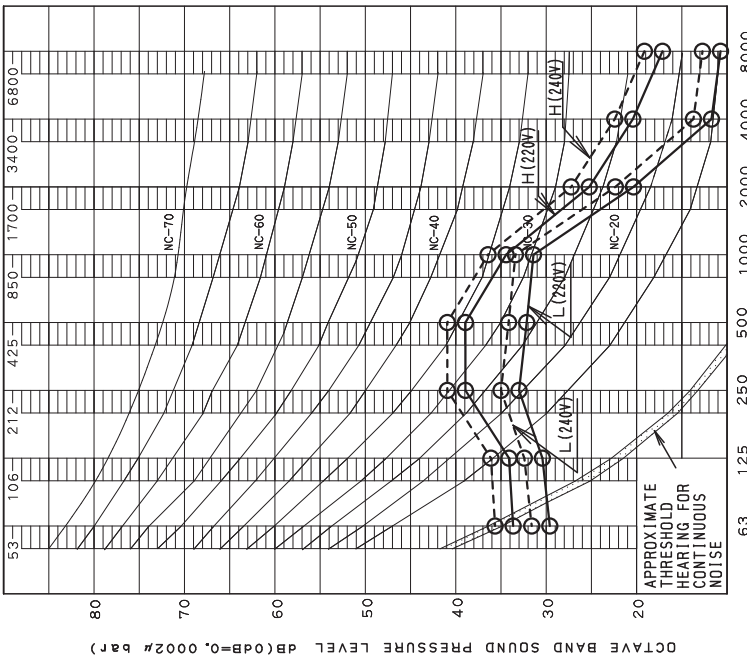


OCTAVE BAND CENTER FREQUENCY (Hz)					OPERATING CONDITIONS	
OVER ALL (dB)					POWER SOURCE	220V/240V
					JIS STANDARD	50/60Hz
						220V
						240V
					(B, G, N IS ALREADY RECTIFIED)	
					MEASURING PLACE	
					ANECHOIC CHAMBER	
					Microphone	
					1.5 m	
					1.5 m	

NOTE: Operation noise differs with operation and ambient conditions.

4D034565A

FXLQ50MAVE

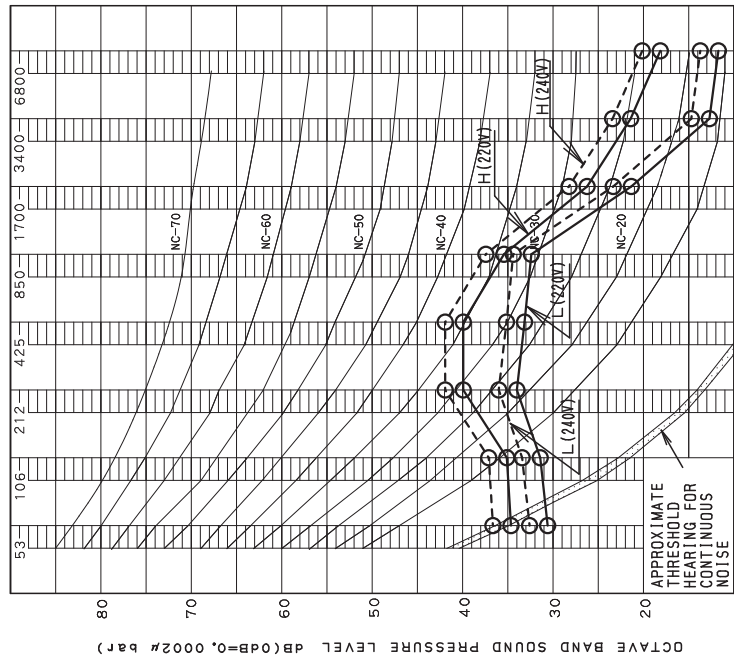


OCTAVE BAND CENTER FREQUENCY (Hz)					OPERATING CONDITIONS	
OVER ALL (dB)					POWER SOURCE	220V/240V
					JIS STANDARD	50/60Hz
						220V
						240V
					(B, G, N IS ALREADY RECTIFIED)	
					MEASURING PLACE	
					ANECHOIC CHAMBER	
					Microphone	
					1.5 m	
					1.5 m	

NOTE: Operation noise differs with operation and ambient conditions.

4D034566A

FXLQ63MAVE



OVER ALL (dB)

OPERATING CONDITIONS

POWER SOURCE 220 • 240V/220V 50/60Hz

JIS STANDARD

○ — 220V

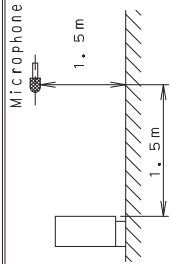
○ - - - - 240V

SCALE	220V			240V		
	H	L		H	L	
A	40	35		42	37	
C	45	39.5		47	41.5	

(B.G.N IS ALREADY RECTIFIED)

MEASURING PLACE

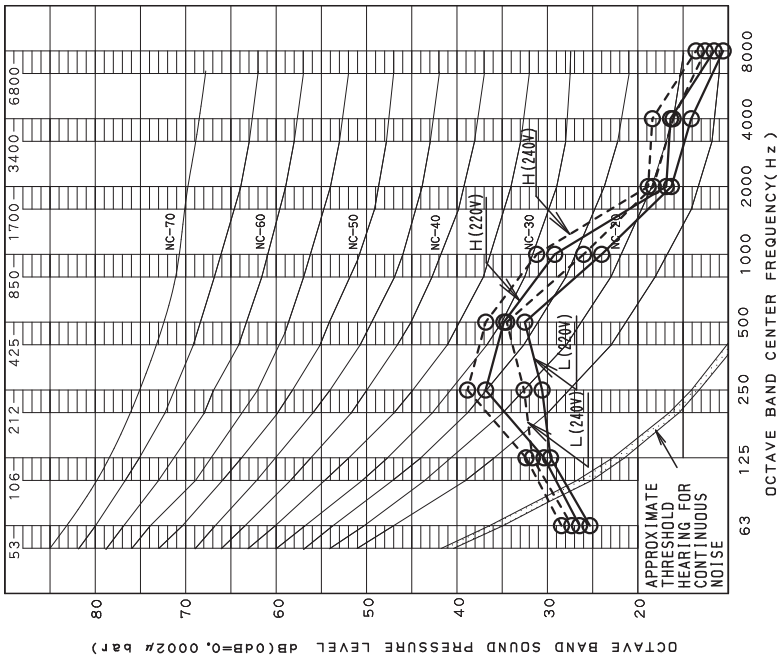
ANECHOIC CHAMBER



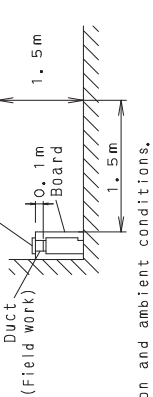
NOTE: Operation noise differs with operation and ambient conditions.

4D034567A

9.2 FXNQ-MAVE
FXNQ20MAVE / FXNQ25MAVE



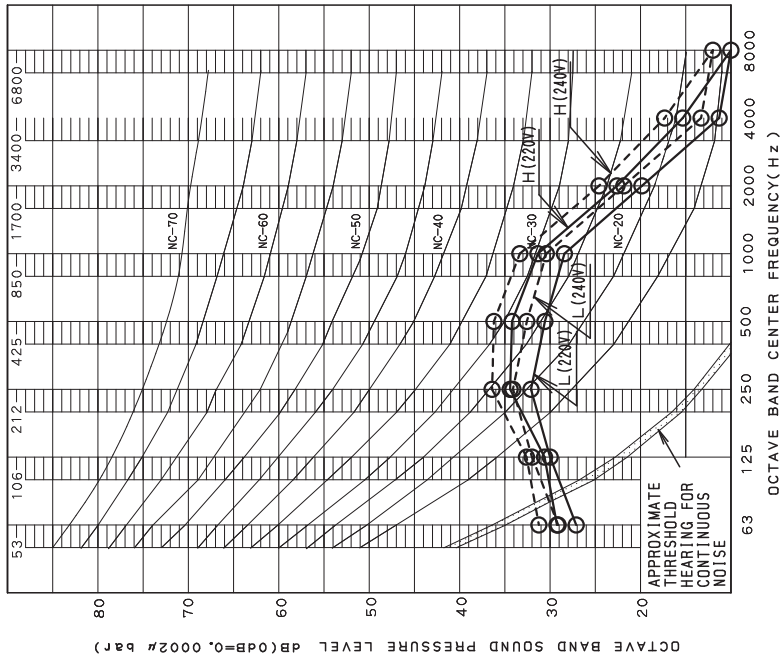
OVER ALL (dB)					OPERATING CONDITIONS	
SCALE	220V		240V		POWER SOURCE	220 • 240V/220V 50/60Hz
	H	L	H	L		
A	35	32	37	34	○ — ○	JIS STANDARD 220V
C	40	36.5	42	38.5	○ — — — ○	240V



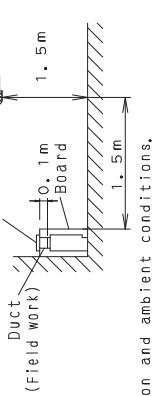
NOTE: Operation noise differs with operation and ambient conditions.

4D034534B

FXNQ32MAVE



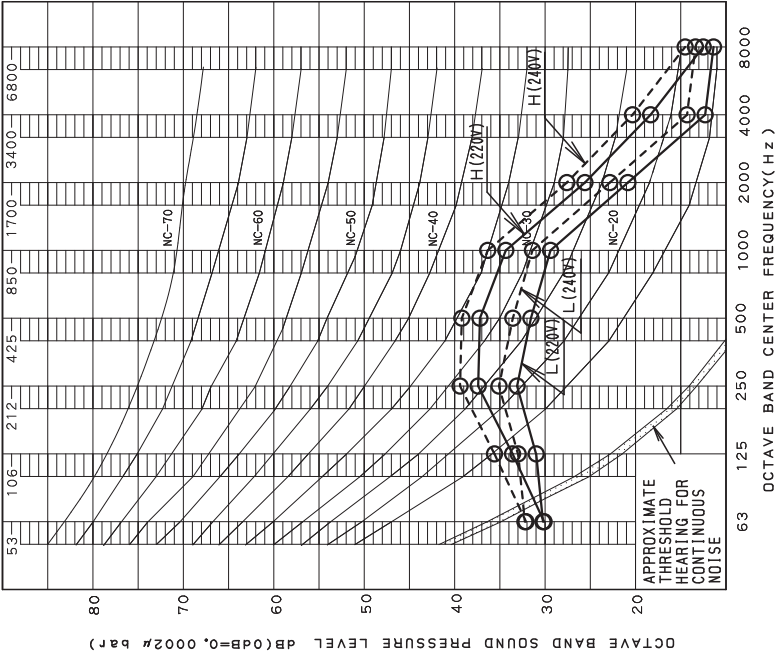
OVER ALL (dB)					OPERATING CONDITIONS	
SCALE	220V		240V		POWER SOURCE	220 • 240V/220V 50/60Hz
	H	L	H	L		
A	35	32	37	34	○ — ○	JIS STANDARD 220V
C	39	37	41	39	○ — — — ○	240V



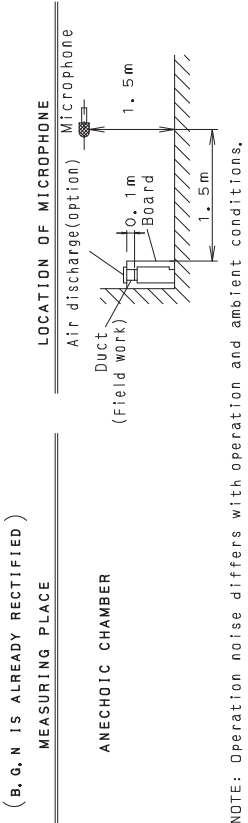
NOTE: Operation noise differs with operation and ambient conditions.

4D034535A

FXNQ40MAVE



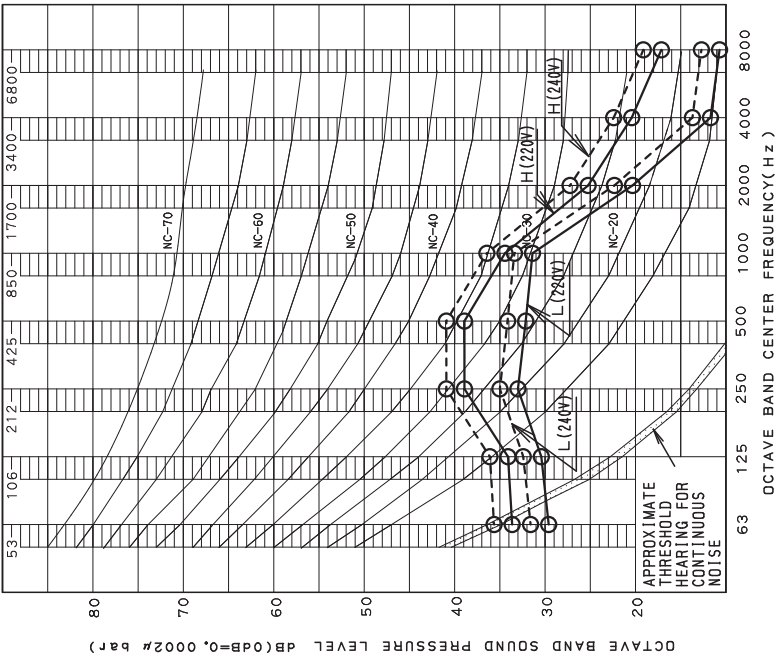
OVER ALL (dB)					OPERATING CONDITIONS		
SCALE	220V		240V		POWER SOURCE	220 - 240V/220V	50/60Hz
	H	L	H	L			
A	38	33	40	35	JIS STANDARD		
C	○		○		220V		
	○		○		240V		



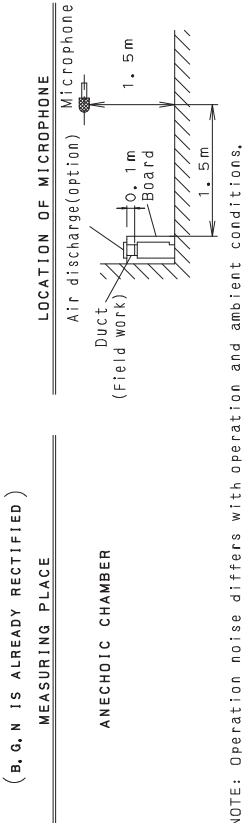
NOTE: Operation noise differs with operation and ambient conditions.

4D034536B

FXNQ50MAVE



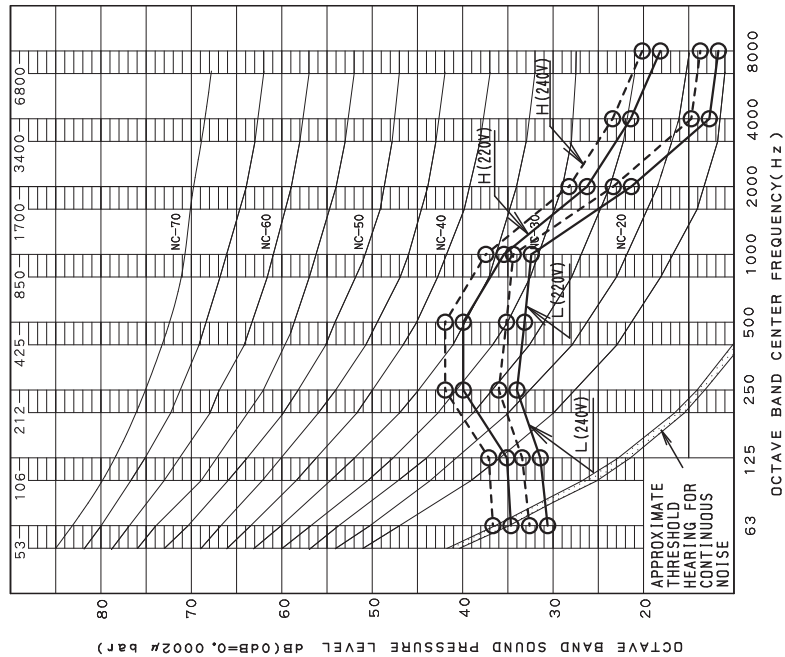
OVER ALL (dB)					OPERATING CONDITIONS		
SCALE	220V		240V		POWER SOURCE	220 • 240V/220V	50/60Hz
	H	L	H	L			
A	39	34	41	36	JIS STANDARD		
C	○		○		220V		
	44	38.5	46	40.5	○-----○ 240V		



NOTE: Operation noise differs with operation and ambient conditions.

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FXNQ63MAVE

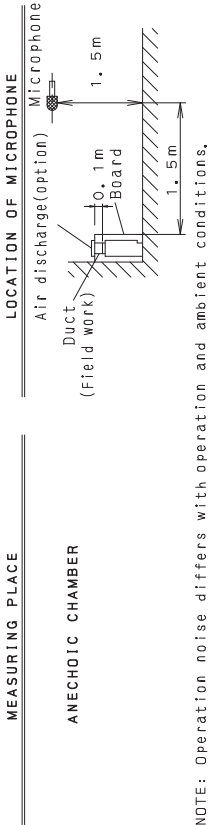


OVER ALL (dB)			
SCALE	220V		240V
	H	L	H L
A	40	35	42 37
C	45	39.5	47 41.5

(B, G, N IS ALREADY RECTIFIED)

MEASURING PLACE	
ANECHOIC CHAMBER	

OPERATING CONDITIONS	
POWER SOURCE 220 • 240V/220V 50/60Hz	
JIS STANDARD	
○ — ○ 220V	
○ - - - ○ 240V	

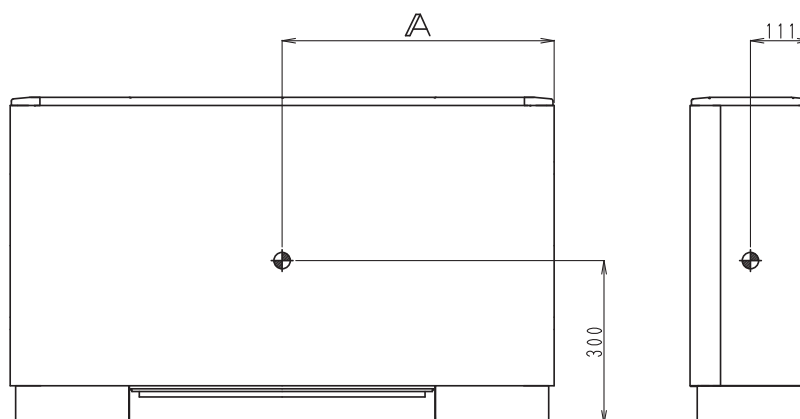


4D034538B

10. Centre of Gravity

FXLQ20MAVE / FXLQ25MAVE / FXLQ32MAVE / FXLQ40MAVE / FXLQ50MAVE / FXLQ63MAVE

Unit: mm

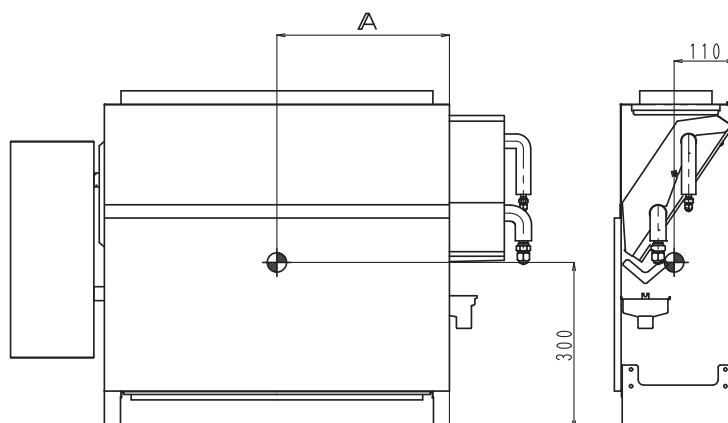


	A
FXLQ20MAVE • FXLQ25MAVE	500
FXLQ32MAVE • FXLQ40MAVE	570
FXLQ50MAVE • FXLQ63MAVE	710

C: 4D034527C

FXNQ20MAVE / FXNQ25MAVE / FXNQ32MAVE / FXNQ40MAVE / FXNQ50MAVE / FXNQ63MAVE

Unit: mm



	A
FXNQ20MAVE • FXNQ25MAVE	395
FXNQ32MAVE • FXNQ40MAVE	465
FXNQ50MAVE • FXNQ63MAVE	505

C: 4D034533C