



technical data

**VRV<sup>®</sup> II** Systems

FXLQ/FXNQ-MVE

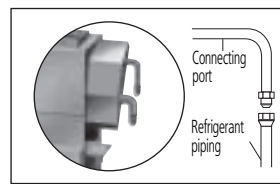
(Concealed) floor standing unit

# FXLQ/FXNQ-MVE (Concealed) floor standing unit

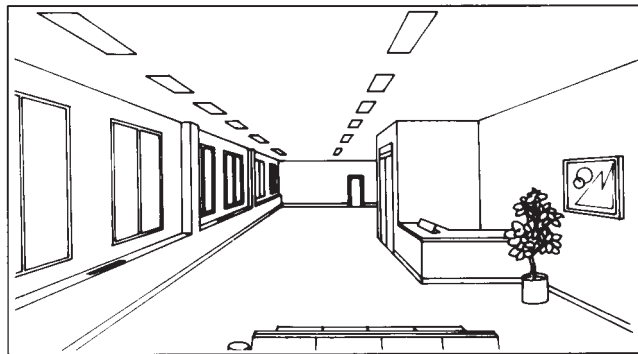
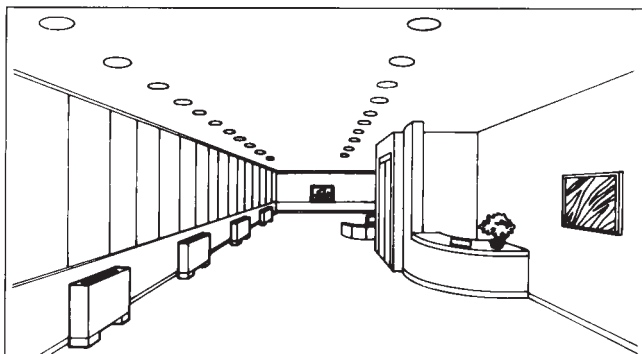
1	Features.....	2
2	Specifications	
	Technical specifications.....	3
	Electrical specifications.....	3
	Safety device settings.....	4
3	Accessories.....	4
4	Control systems.....	4
5	Capacity tables	
	Cooling capacity.....	5
	Heating capacity.....	7
6	Dimensions	
	Dimensional drawings.....	9
	Centre of gravity.....	13
	Bolt pitch.....	14
7	Piping Diagram.....	15
8	Wiring Diagram.....	16
9	Sound level.....	17
10	Installation.....	19

# 1 Features

- Space saving design, only 22cm deep
- Running the pipes from connections at the back, enables the unit to be wall mounted which in turn allows cleaning beneath the unit
- Long life filter fitted as standard
- Connection port faces downward, eliminating the need to attach auxiliary piping



- All models are available with remote control



## 2 Specifications

### 2-1 Technical specifications

FXLQ/FXNQ-MVE				20	25	32	40	50	63
COOLING CAPACITY (1)			kW	2.2	2.8	3.6	4.5	5.6	7.1
HEATING CAPACITY (2)			kW	2.5	3.2	4.0	5.0	6.3	8.0
NOMINAL INPUT	Cooling		W	49		90		110	
	Heating		W	49		90		110	
DIMENSIONS	FXLQ	HxWxD	mm	600x1,000x222		600x1,140x222		600x1,420x222	
	FXNQ	HxWxD	mm	610x930x220		610x1,070x220		610x1,350x220	
WEIGHT	FXLQ		kg	25		30		36	
	FXNQ		kg	19		23		27	
COLOUR	FXLQ			ivory white (5Y7.5/1)					
CASING	FXNQ			galvanised steel plate					
SOUND LEVEL	Sound pressure 220V	high	dB(A)	35		38		39	
		low	dB(A)	32		33		34	
	Sound power		dB(A)	*		*		*	
FAN	Air flow rate	high	m <sup>3</sup> /h	420		480		660	
		low	m <sup>3</sup> /h	360		360		510	
	Type	sirocco fan							
	Model			D14B20		2D14B13		2D14B20	
	Motor output		W	15		25		35	
	Drive	direct drive							
HEAT EXCHANGER	Rows x stages x fin pitch		mm	3x14x1.5					
	Face area		m <sup>2</sup>	0.159		0.200		0.282	
AIR FILTER	resin net with mold resistant								
REFRIGERANT CONTROL	electronic expansion valve								
TEMPERATURE CONTROL	microprocessor thermostat for cooling and heating								
PIPING CONNECTIONS	Liquid	flare	mm	ø 6.4				ø 9.5	
	Gas	flare	mm	ø 12.7				ø 15.9	
	Drain		mm	ø 21 external diameter (vinyl chloride)					
SOUND ABSORBING THERMAL INSULATION	glass fiber / urethane foam								

3D038816 + 3D038817

#### 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.
- \* data were not available at the time of publication

### 2-2 Electrical specifications

FXLQ/FXNQ-MVE				20	25	32	40	50	63
CURRENT	Minimum circuit amps (MCA)		A	0.3		0.6			
	Maximum fuse amps (MFA) (5)		A	15					
POWER SUPPLY			VE	1 ~, 50Hz, 220 - 240V					
VOLTAGE RANGE	Min ~ max		V	198 ~ 264					
INDOOR FAN MOTOR	Fan motor rated output		W	15		25		35	
	Full load amps (FLA)		A	0.2		0.5			

4D034579A

#### 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://www.daikineurope.com/extranet>, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.  
Finally, click on the document title of your choice.

## 2-3 Safety device settings

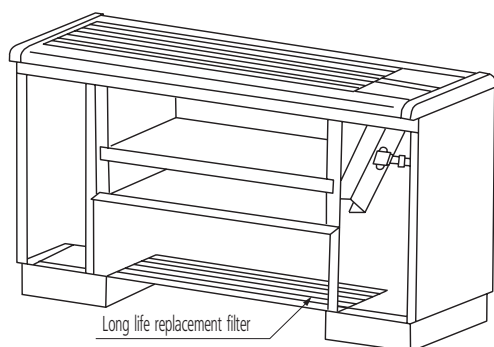
FXLQ/FXNQ-MVE	20	25	32	40	50	63
PC BOARD FUSE	250V 10A					
FAN MOTOR THERMAL PROTECTOR	°C OFF: 135 <sup>±10</sup> / ON: 120 or less					

3D034529A

## 3 Accessories

FXLQ/FXNQ-MVE	20	25	32	40	50	63
LONG LIFE REPLACEMENT FILTER	KAFJ361K28		KAFJ361K45		KAFJ361K71	

4D034574A



## 4 Control systems

### 4-1 Individual control systems

WIRED REMOTE CONTROL		BRC1D527
INFRARED REMOTE CONTROL	Heat pump	BRC4C62
	Cooling only	BRC4C64
SIMPLIFIED REMOTE CONTROL		BRC2A51
REMOTE CONTROL FOR HOTEL USE		BRC3A61

### 4-2 Centralised control systems

CENTRALISED REMOTE CONTROL	DCS302C51
UNIFIED ON/OFF CONTROL	DCS301C51
SCHEDULE TIMER	DST301C51

### 4-3 Others

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)	KEK26-1
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)	DTA104A61

4D034581A

## 5 Capacity tables

### 5-1 Cooling capacity

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

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature															
			14.OWB		16.OWB		18.OWB		19.OWB		20.OWB		22.OWB		24.OWB			
			20.ODB		23.ODB		26.ODB		27.ODB		28.ODB		30.ODB		32.ODB			
		°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	2.2	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	2.2	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	2.2	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	2.8	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	2.8	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	2.8	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	3.6	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	3.6	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	2.5	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	4.5	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	4.5	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	3.1	4.5	3.2	4.6	3.1	4.7	3.0	4.8	2.8		

# 5 Capacity tables

## 5-1 Cooling capacity

TC: Total capacitykW - SHC: Sensible capacitykW

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
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

CA03A095

## 5 Capacity tables

### 5-2 Heating capacity

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	25	-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	32	-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	40	-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	50	-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		



## 5 Capacity tables

### 5-2 Heating capacity

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
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		

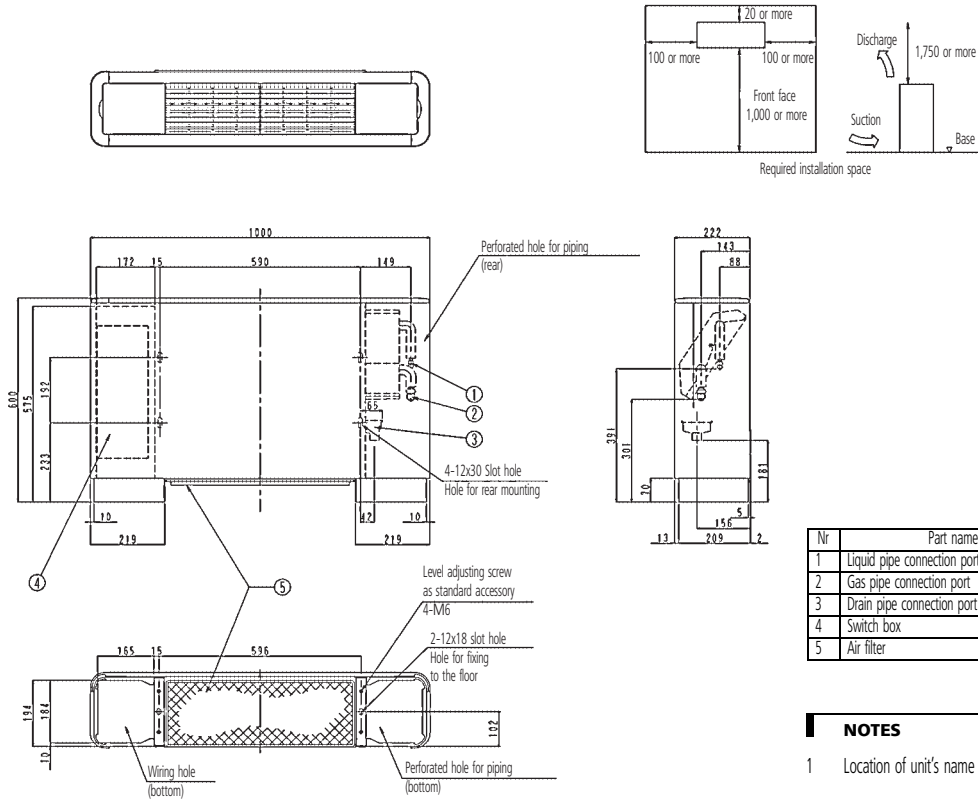
CA03A095

# 6 Dimensions

## 6-1 Dimensional drawings

### 6-1-1 Floor standing unit - FXLQ

FXLQ20,25MVE



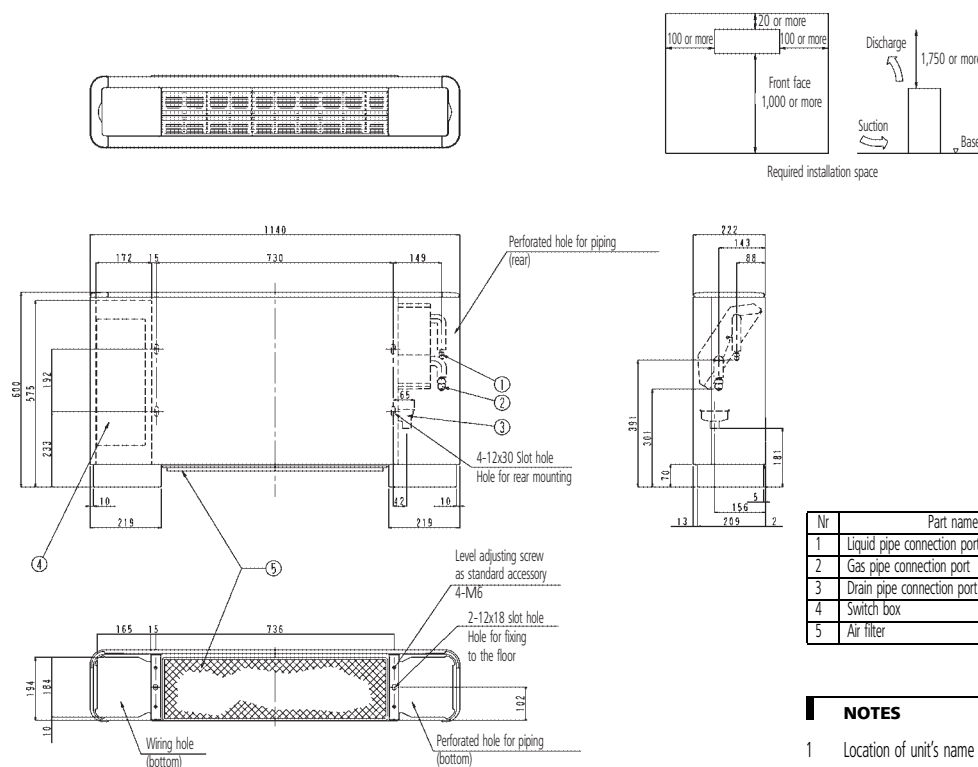
Nr	Part name	Description
1	Liquid pipe connection port	ø6.4 flare connection
2	Gas pipe connection port	ø12.7 flare connection
3	Drain pipe connection port	O.D. 21
4	Switch box	
5	Air filter	

**NOTES**

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

3D038860

FXLQ32,40MVE



Nr	Part 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	

**NOTES**

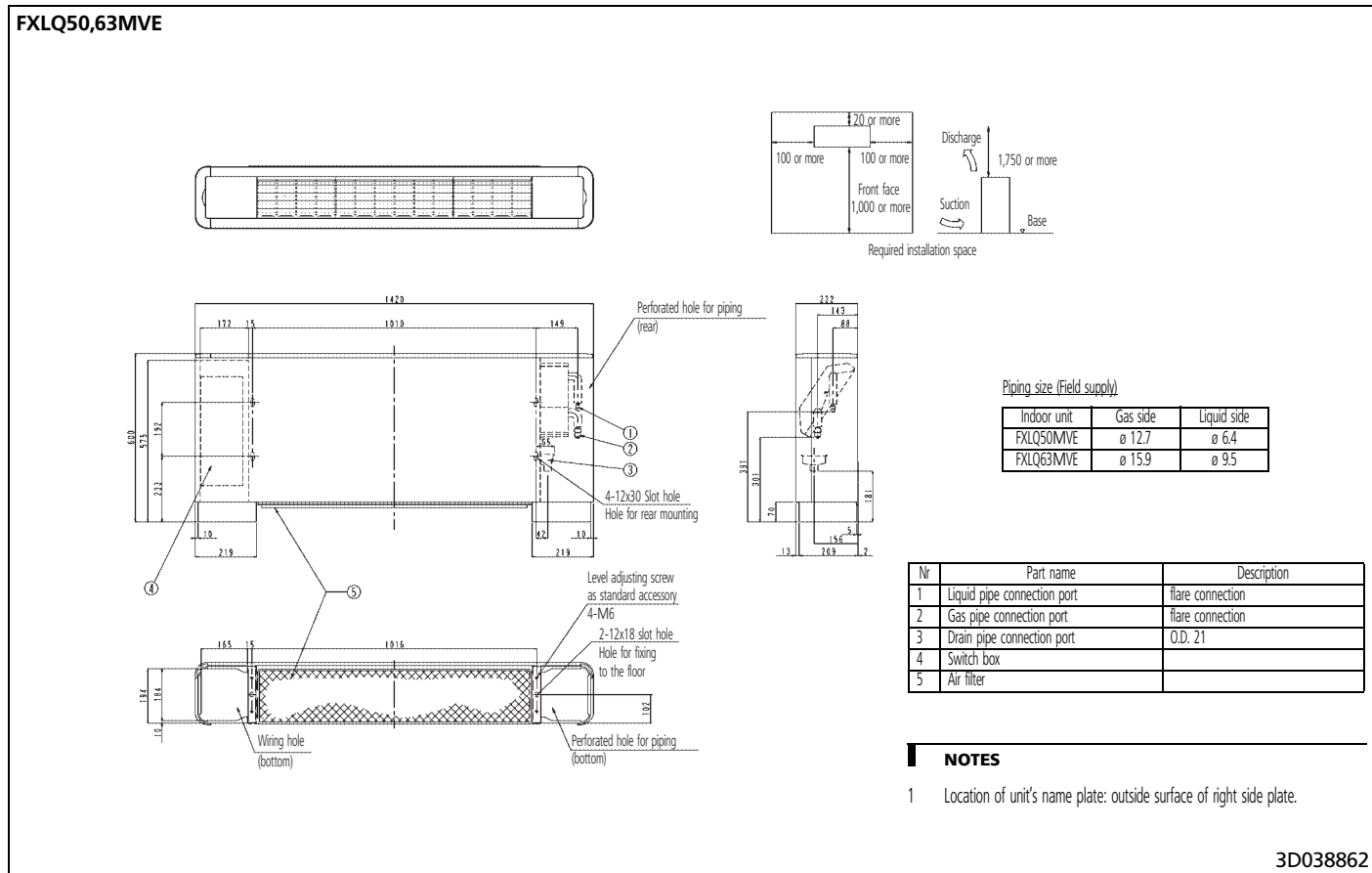
- 1 Location of unit's name plate: outside surface of right side plate.

3D038861

## 6 Dimensions

### 6-1 Dimensional drawings

#### 6-1-1 Floor standing unit - FXLQ

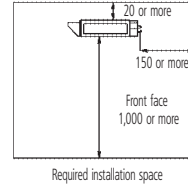
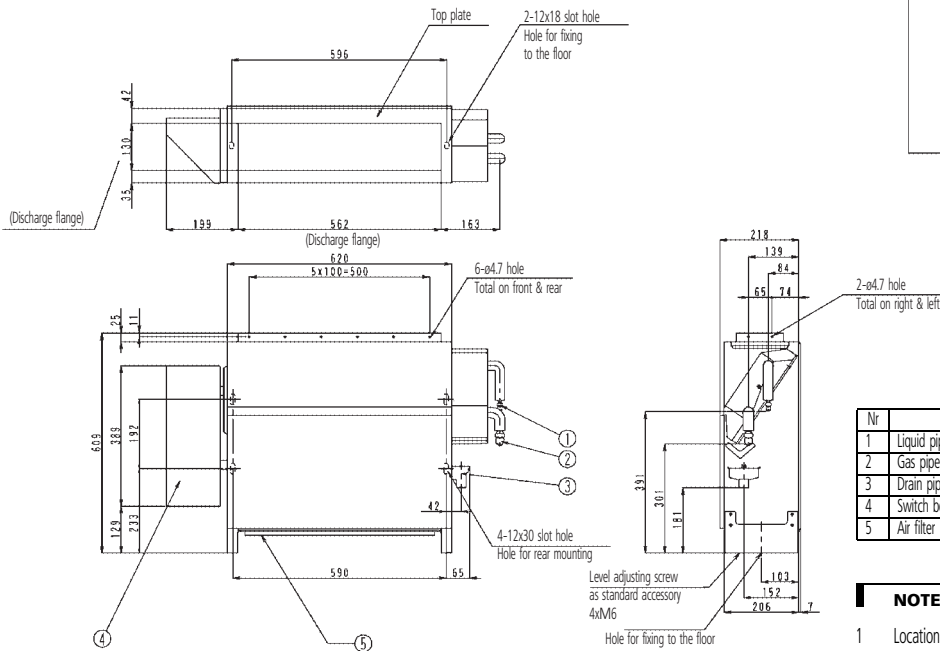


## 6 Dimensions

### 6-1 Dimensional drawings

#### 6-1-2 Concealed floor standing unit - FXNQ

##### FXNQ20,25MVE



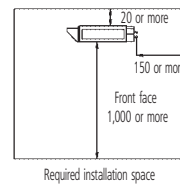
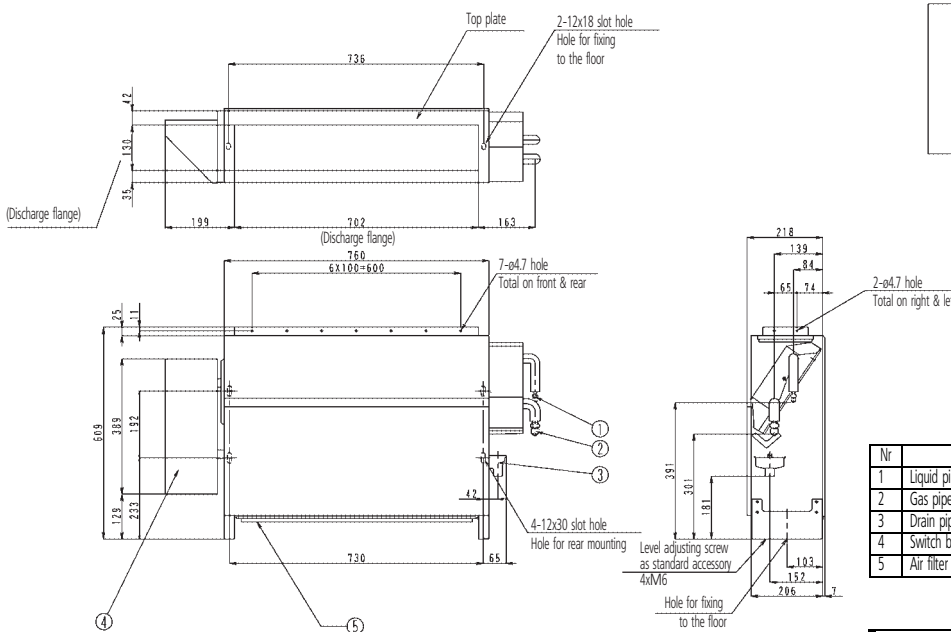
Nr	Part name	Description
1	Liquid pipe connection port	ø6.4 flare connection
2	Gas pipe connection port	ø12.7 flare connection
3	Drain pipe connection port	O.D. 21
4	Switch box	
5	Air filter	

#### NOTES

- 1 Location of unit's name plate: right lower corner of front plate.

3D038863

##### FXNQ32,40MVE



Nr	Part 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	

#### NOTES

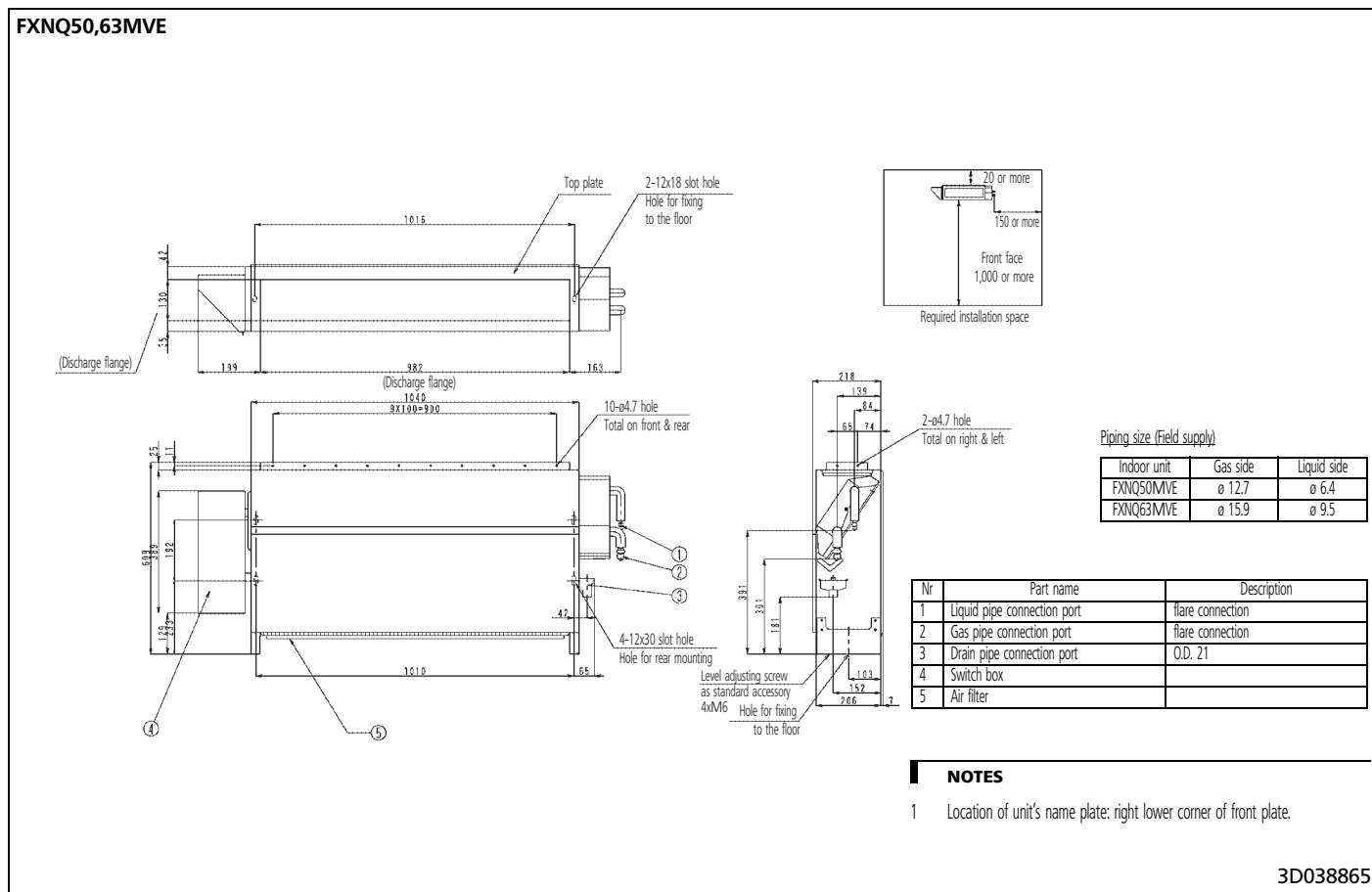
- 1 Location of unit's name plate: right lower corner of front plate.

3D038864

## 6 Dimensions

### 6-1 Dimensional drawings

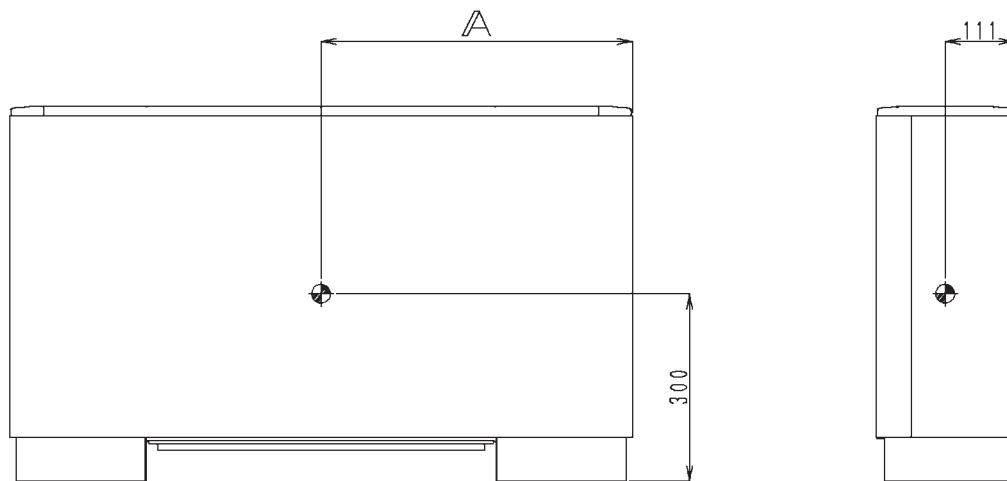
#### 6-1-2 Concealed floor standing unit - FXNQ



## 6 Dimensions

### 6-2 Centre of gravity

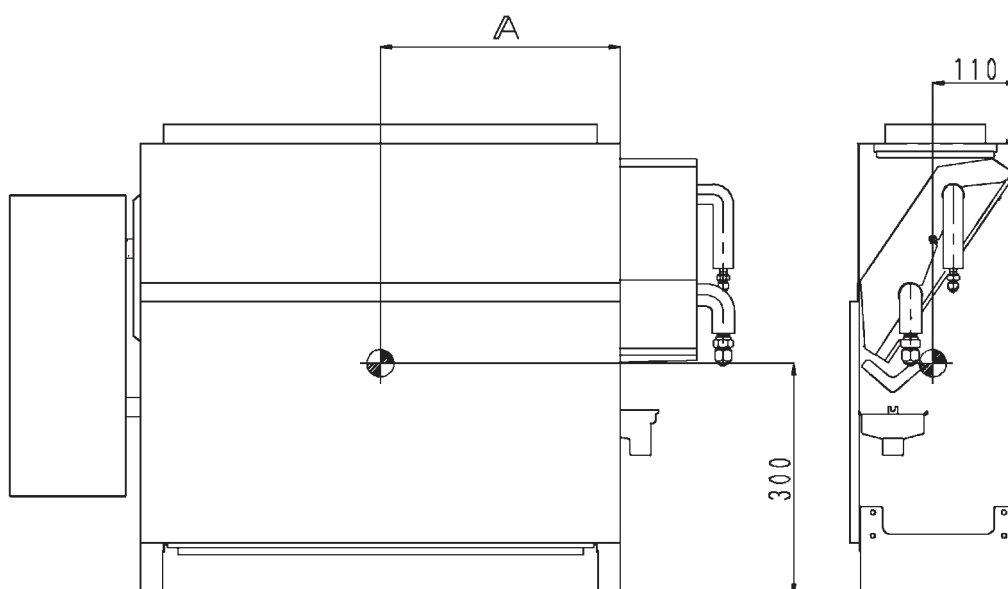
Floor standing unit - FXLQ-MVE



Model	A
FXLQ20MVE	500
FXLQ25MVE	500
FXLQ32MVE	570
FXLQ40MVE	570
FXLQ50MVE	710
FXLQ63MVE	710

4D034527A

Concealed floor standing unit - FXNQ-MVE



Model	A
FXNQ20MVE	395
FXNQ25MVE	395
FXNQ32MVE	465
FXNQ40MVE	465
FXNQ50MVE	505
FXNQ63MVE	505

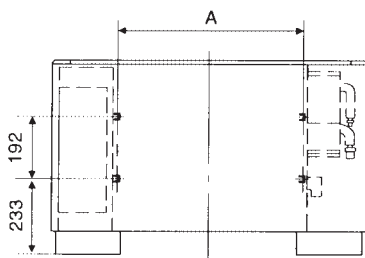
4D034533A

## 6 Dimensions

### 6-3 Bolt pitch

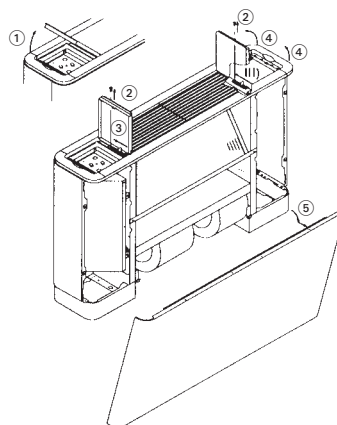
#### FXLQ/FXNQ-MVE

- Positioning of holes for fastening to the wall



Model	A
FXLQ/FXNQ20,25MVE	590
FXLQ/FXNQ32,40MVE	730
FXLQ/FXNQ50,63MVE	1,010

- How to open/close the front panel

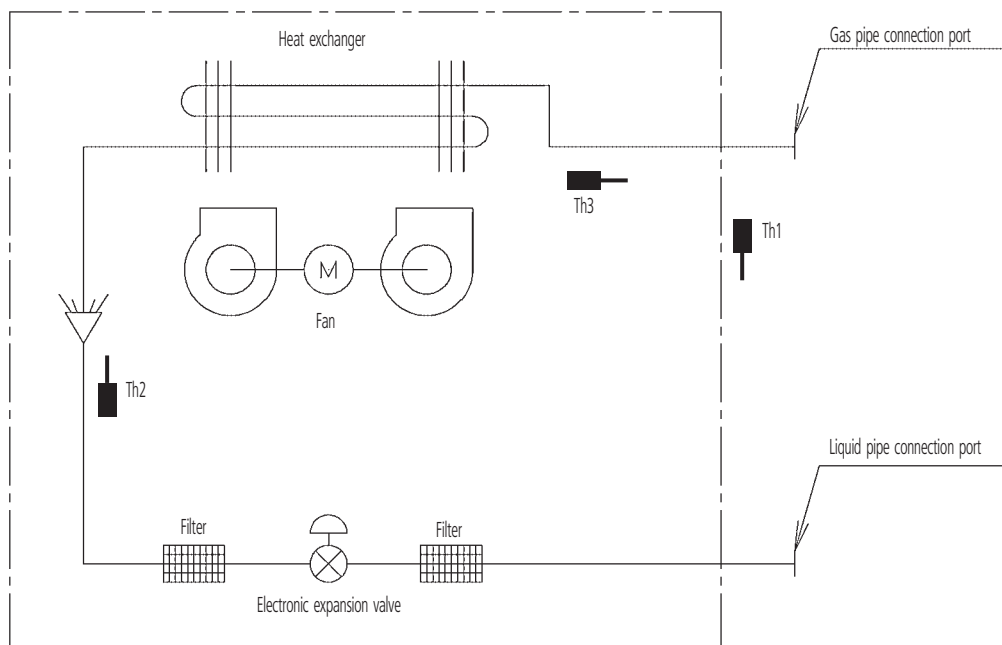


- 1 Open the lid of control panel (both left and right).
- 2 Remove screws (both left and right).
- 3 Push the knobs (both left and right) to the rear.
- 4 Lift the front of the top plate.
- 5 Lower the front panel towards the front of the unit.
- 6 To close, perform the procedure in opposite order.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

3PN86154-1-5

# 7 Piping Diagram

FXLQ/FXNQ-MVE



Piping connection diameters

Model	Gas	Liquid
FXLQ/FXNQ20,25,32,40,50MVE	ø 12.7	ø 6.4
FXLQ/FXNQ63MVE	ø 15.9	ø 9.5

Th1 : Thermistor for suction air temperature

Th2 : Thermistor for liquid line temperature

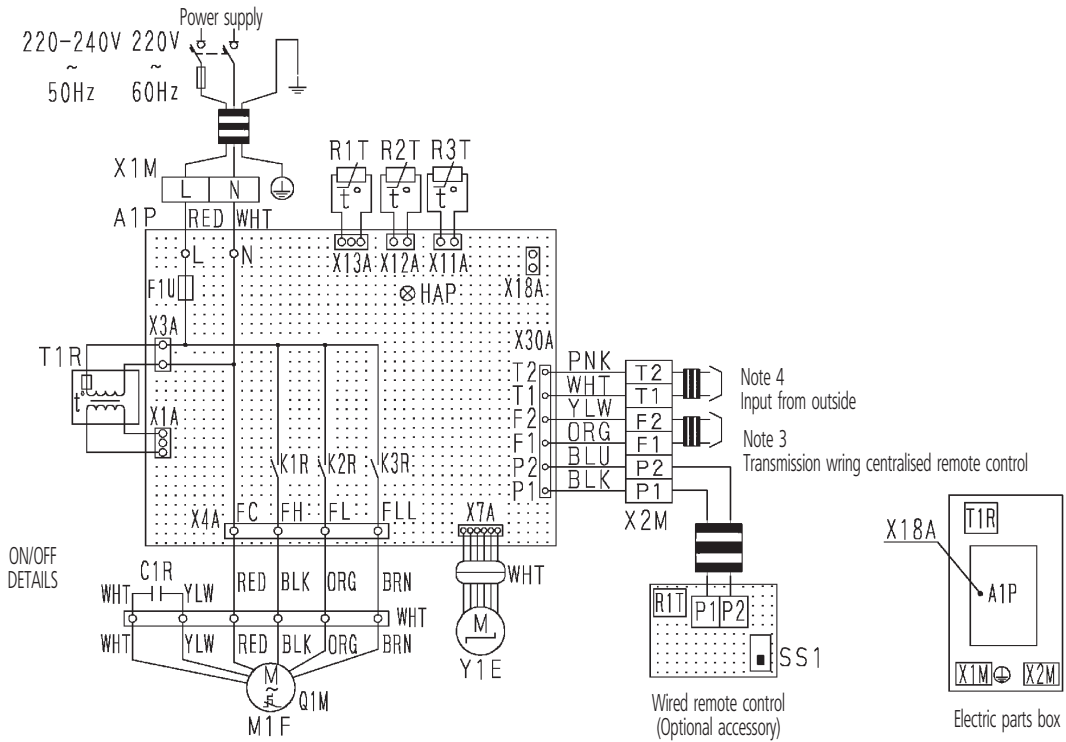
Th3 : Thermistor for gas line temperature

- ⬅▶ Check valve
- ⊖ Flare connection
- ⊖ Screw connection
- ⊖ Flange connection
- ⊗ Pinched pipe
- ⤵ Spinned pipe



# 8 Wiring Diagram

FXLQ/FXNQ-MVE



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

: Terminal  
 : Connector  
 : Field wiring

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

### NOTES

- When using centralised 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.

# 9 Sound level

## 9-1 Sound level data FXLQ-MVE

Model	Sound pressure level - 220V		Measuring location	Sound power level
	H	L		
FXLQ20MVE	35	32		*
FXLQ25MVE	35	32		*
FXLQ32MVE	35	32		*
FXLQ40MVE	38	33		*
FXLQ50MVE	39	34		*
FXLQ63MVE	40	35		*

### NOTES

- 1 Reference acoustic pressure 0 dB = 20 Pa.
- 2 Measuring place: anechoic chamber
- 3 Operating noise differs with operation and ambient conditions.

\*Data were not available at the time of publication

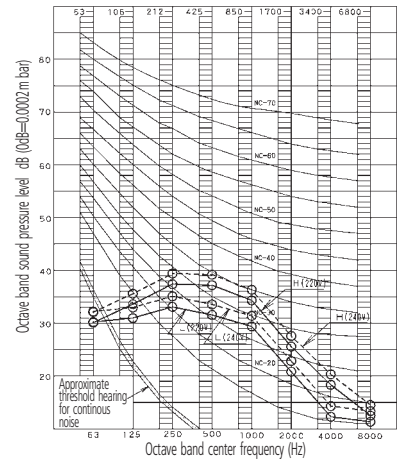
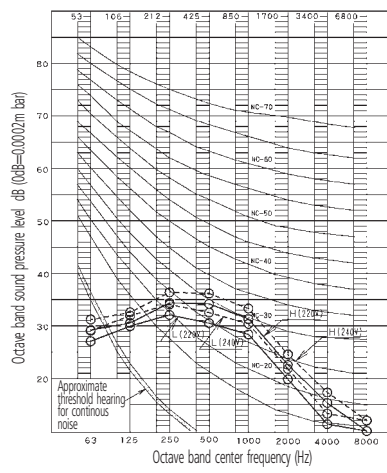
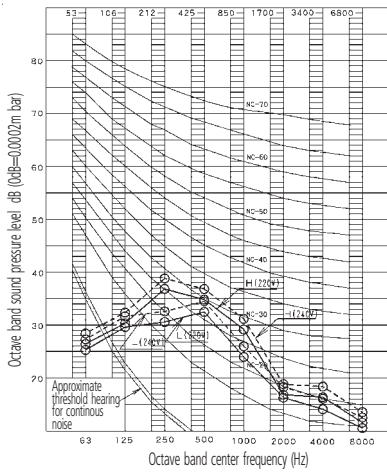
## 9-2 Sound pressure spectrums FXLQ-MVE

FXLQ20,25MVE

4D034528 FXLQ32MVE

4D034564 FXLQ40MVE

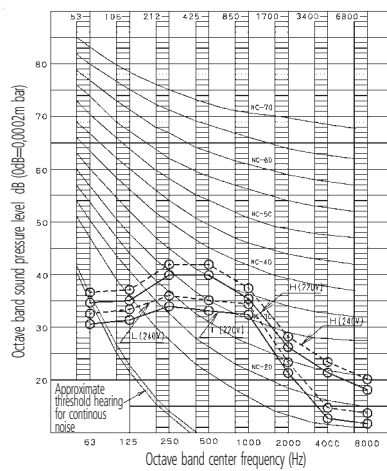
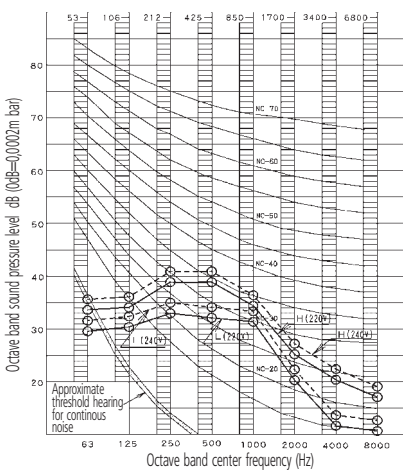
4D034565



FXLQ50MVE

4D034566 FXLQ63MVE

4D034567



# 9 Sound level

## 9-3 Sound level data FXNQ-MVE

Model	Sound pressure level - 220V		Measuring location	Sound power level
	H	L		
FXNQ20MVE	35	32		*
FXNQ25MVE	35	32		*
FXNQ32MVE	35	32		*
FXNQ40MVE	38	33		*
FXNQ50MVE	39	34		*
FXNQ63MVE	40	35		*

### NOTES

- 1 Reference acoustic pressure 0 dB = 20 Pa.
- 2 Measuring place: anechoic chamber
- 3 Operating noise differs with operation and ambient conditions.

\*Data were not available at the time of publication

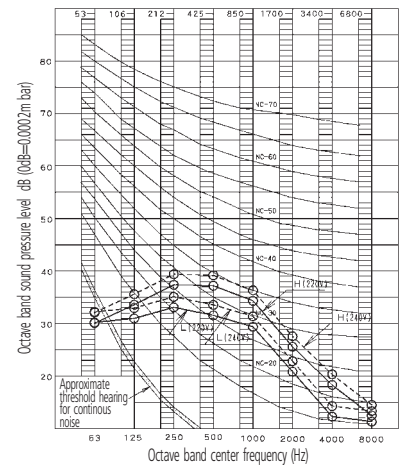
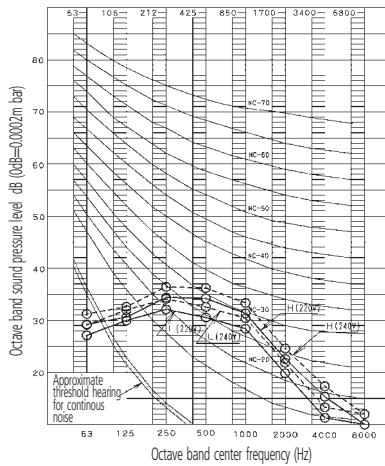
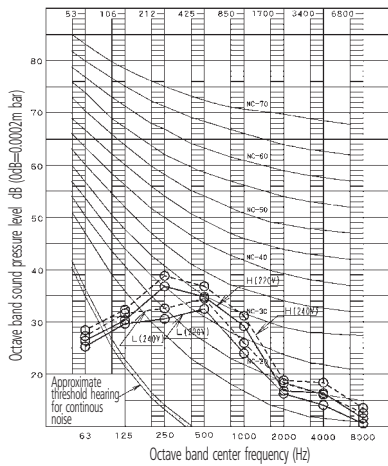
## 9-4 Sound pressure spectrums FXNQ-MVE

FXNQ20,25MVE

4D034534 FXNQ32MVE

4D034535 FXNQ40MVE

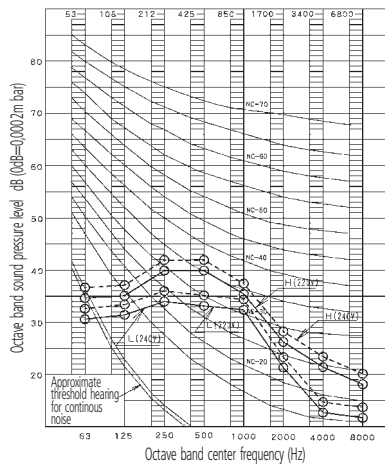
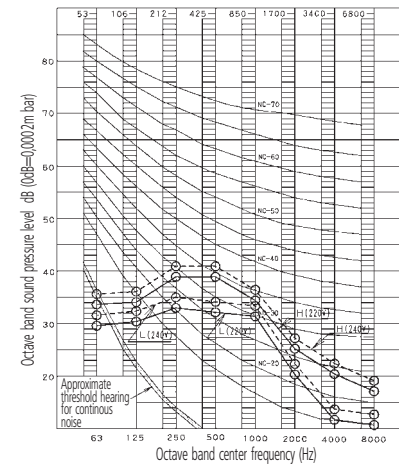
4D034536



FXNQ50MVE

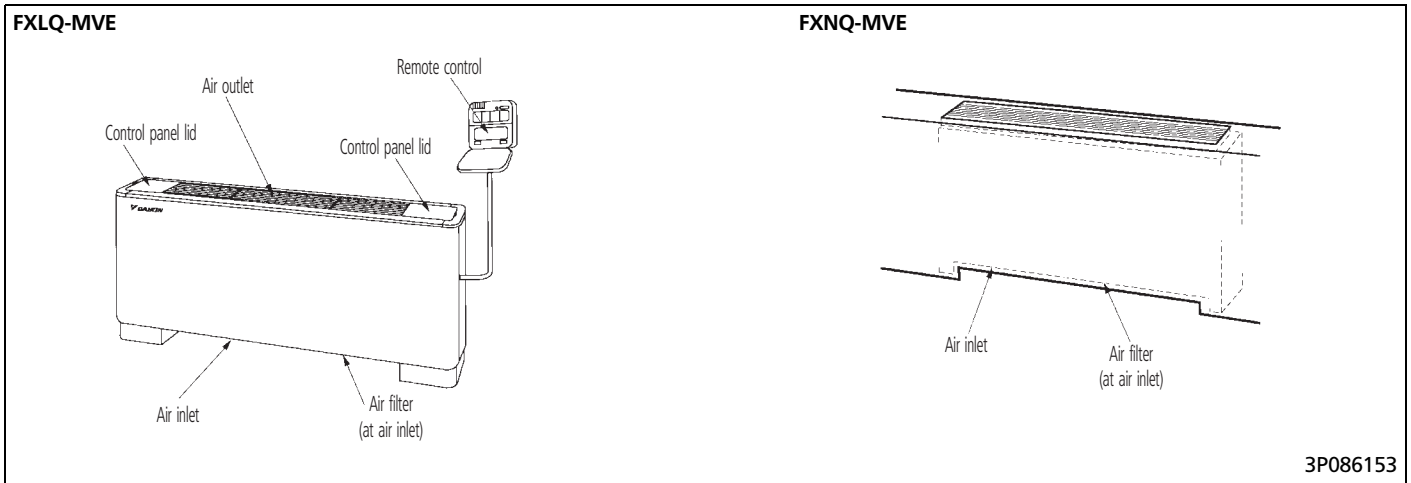
4D034537 FXNQ63MVE

4D034538



# 10 Installation

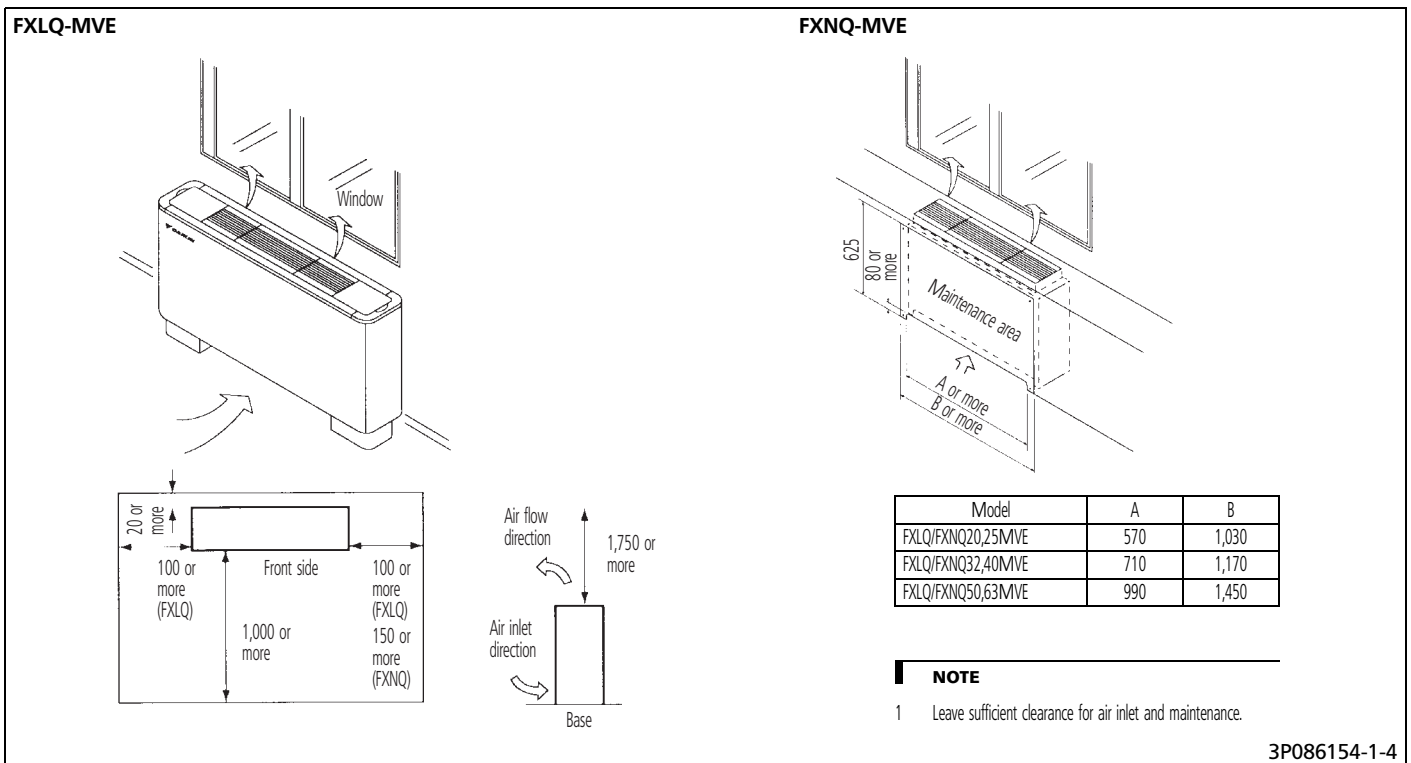
## 10-1 Installation example



## 10-2 Service space

### Select an installation site

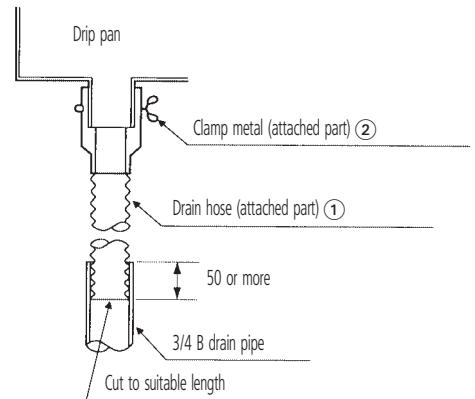
- Where the following conditions are satisfied and that meets with your customer's approval.
- Where the floor is strong enough to bear the indoor unit weight.
- Where the floor is not significantly inclined.
- Where nothing blocks the air passage.
- Where condensation can be properly drained.
- Where sufficient clearance for installation and maintenance can be ensured.
- Where there is no possibility of flammable gas leakage.
- Where optimum air distribution can be ensured.
- Where piping between indoor and outdoor units is possible within the allowable limit (Refer to the installation manual of the outdoor unit.)
- Keep the indoor and outdoor units, power cable and transmission wiring, at least 1 m from TVs and radios, to prevent distorted pictures and static. (Depending on the type and source of the electrical waves, static may be heard even when more than 1 m away.)



## 10 Installation

### 10-3 Drain piping

- Rig the drain pipe and take measures against condensation. Improperly rigged piping could lead to leaks and eventually wet furniture and belongings.
  - Connect the drain hose ① using the attached hose and parts, as shown in the right drawing.
  - After piping work is finished, check drainage flows smoothly.
  - Be sure to insulate all indoor pipes.



# 2

## VRV II Systems



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

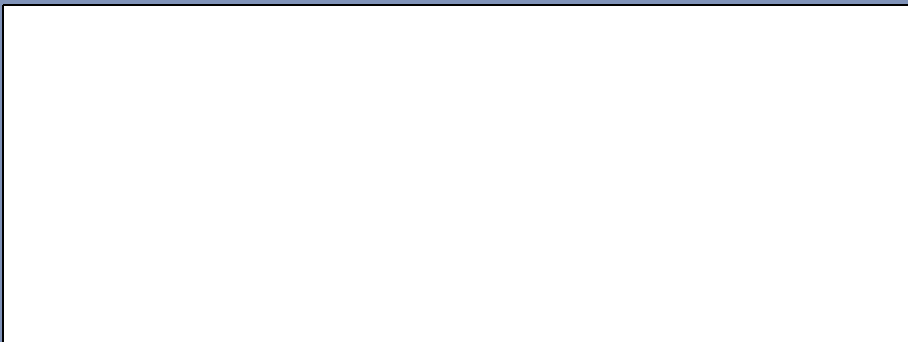


Daikin units comply with the European regulations that guarantee the safety of the product.

VRV products are not within the scope of the Eurovent certification programme.

Daikin equipment is designed for comfort applications. For use in other applications, please contact your local Daikin representative.

Specifications are subject to change without prior notice



**DAIKIN EUROPE N.V.**

Zandvoordestraat 300  
B-8400 Ostend - Belgium  
[www.daikineurope.com](http://www.daikineurope.com)