



# Installation manual

Daikin room air conditioner



FTXP20M5V1B  
FTXP25M5V1B  
FTXP35M5V1B

ATXP20M5V1B  
ATXP25M5V1B  
ATXP35M5V1B

Installation manual  
Daikin room air conditioner

English



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## 1 About the documentation

### 1.1 About this document



#### INFORMATION

Make sure that the user has the printed documentation and ask him/her to keep it for future reference.

#### Target audience



#### INFORMATION

This appliance is intended to be used by expert or trained users in shops, in light industry, and on farms, or for commercial and household use by lay persons.

#### Documentation set

This document is part of a documentation set. The complete set consists of:

- **General safety precautions:**
  - Safety instructions that you **MUST** read before installing
  - Format: Paper (in the box of the indoor unit)
- **Indoor unit installation manual:**
  - Installation instructions
  - Format: Paper (in the box of the indoor unit)
- **Installer reference guide:**
  - Preparation of the installation, good practices, reference data,...
  - Format: Digital files on <http://www.daikineurope.com/support-and-manuals/product-information/>

Latest revisions of the supplied documentation may be available on the regional Daikin website or via your dealer.

The original documentation is written in English. All other languages are translations.

#### Technical engineering data

- A **subset** of the latest technical data is available on the regional Daikin website (publicly accessible).
- The **full set** of latest technical data is available on the Daikin extranet (authentication required).

## 2 About the box

### 2.1 Indoor unit

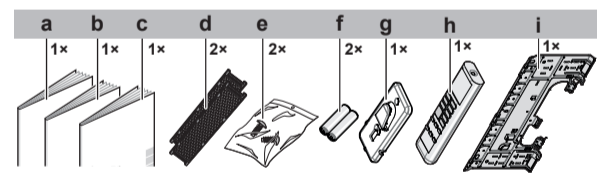


#### INFORMATION

The following figures are just examples and may NOT completely match your system layout.

#### 2.1.1 To remove the accessories from the indoor unit

1 Remove the accessories located at the bottom of the package.



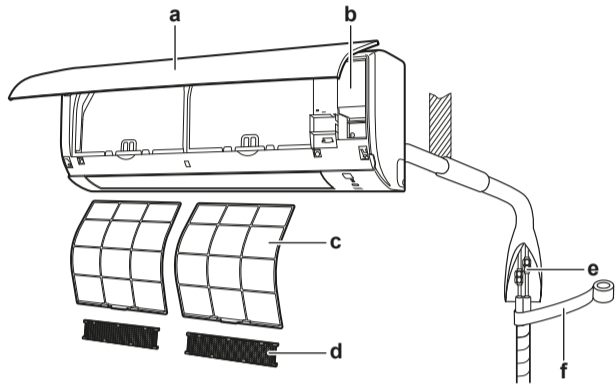
- a Installation manual
- b Operation manual
- c General safety precautions
- d Titanium apatite deodorizing and silver particle filter (only for FTXP)
- e Indoor unit fixing screw (M4×12L). Refer to "5.5.3 To fix the unit on the mounting plate" on page 9.
- f Dry battery AAA.LR03 (alkaline) for user interface
- g User interface holder
- h User interface
- i Mounting plate

### 3 About the unit

## 3 About the unit

**WARNING: FLAMMABLE MATERIAL**  
The refrigerant inside this unit is mildly flammable.

### 3.1 System layout



- a Indoor unit
- b Service lid
- c Air filter
- d Titanium apatite deodorizing and silver particle filter (only for FTXP)
- e Refrigerant piping, drain hose and interconnection cable
- f Insulation tape

### 3.2 Operation range

Operation mode	Operation range
Cooling <sup>(a)(b)</sup>	<ul style="list-style-type: none"> <li>• Outdoor temperature: -10~46°C</li> <li>• Indoor temperature: 18~32°C</li> <li>• Indoor humidity: ≤80%</li> </ul>
Heating <sup>(a)</sup>	<ul style="list-style-type: none"> <li>• Outdoor temperature: -15~24°C</li> <li>• Indoor temperature: 10~30°C</li> </ul>
Drying <sup>(a)</sup>	<ul style="list-style-type: none"> <li>• Outdoor temperature: -10~46°C</li> <li>• Indoor temperature: 18~32°C</li> <li>• Indoor humidity: ≤80%</li> </ul>

If operated outside the operation range:

- (a) A safety device might stop the operation of the system.
- (b) Condensation might occur on the indoor unit and drip.

## 4 Preparation

### 4.1 Preparing the installation site

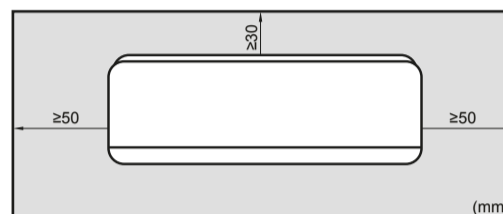
**WARNING**  
The appliance shall be stored in a room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).

#### 4.1.1 Installation site requirements of the indoor unit

**INFORMATION**  
The sound pressure level is less than 70 dBA.

- **Air flow.** Make sure nothing blocks the air flow.
- **Drainage.** Make sure condensation water can be evacuated properly.

- **Wall insulation.** When conditions in the wall exceed 30°C and a relative humidity of 80%, or when fresh air is inducted into the wall, then additional insulation is required (minimum 10 mm thickness, polyethylene foam).
- **Wall strength.** Check whether the wall or the floor is strong enough to support the weight of the unit. If there is a risk, reinforce the wall or the floor before installing the unit.
- **Spacing.** Install the unit at least 1.8 m from the floor and keep the following requirements in mind for distances from the walls and the ceiling:



### 4.2 Preparing refrigerant piping

#### 4.2.1 Refrigerant piping requirements

##### Refrigerant piping diameter

Use the same diameters as the connections on the outdoor units:

Class	L1 liquid piping	L1 gas piping
20~35	Ø6.4	Ø9.5

##### Refrigerant piping material

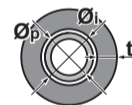
- **Piping material:** Phosphoric acid deoxidised seamless copper.
- **Flare connections:** Only use annealed material.
- **Piping temper grade and thickness:**

Outer diameter (Ø)	Temper grade	Thickness (t) <sup>(a)</sup>	
6.4 mm (1/4")	Annealed (O)	≥0.8 mm	

(a) Depending on the applicable legislation and the unit's maximum working pressure (see "PS High" on the unit name plate), larger piping thickness might be required.

#### 4.2.2 Refrigerant piping insulation

Pipe outer diameter (Ø <sub>p</sub> )	Insulation inner diameter (Ø <sub>i</sub> )	Insulation thickness (t)
6.4 mm (1/4")	8~10 mm	≥10 mm



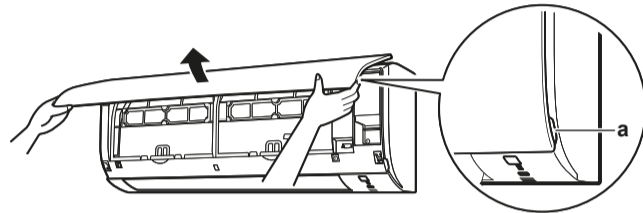
If the temperature is higher than 30°C and the humidity is higher than RH 80%, the thickness of the insulation materials should be at least 20 mm to prevent condensation on the surface of the insulation.

## 5 Installation

### 5.1 Opening the indoor unit

#### 5.1.1 To remove the front panel

- 1 Hold the front panel by the panel tabs on both sides and open it.

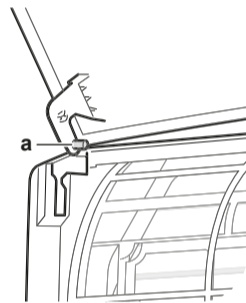


a Panel tabs

- 2 Remove the front panel by sliding it to the left or the right and pulling it toward you.

**Result:** The front panel shaft on 1 side will be disconnected.

- 3 Disconnect the front panel shaft on the other side in the same manner.



a Front panel shaft

#### 5.1.2 To re-install the front panel

- 1 Attach the front panel. Align the shafts with the slots and push them all the way in.
- 2 Close the front panel slowly; press at both sides and at the centre.

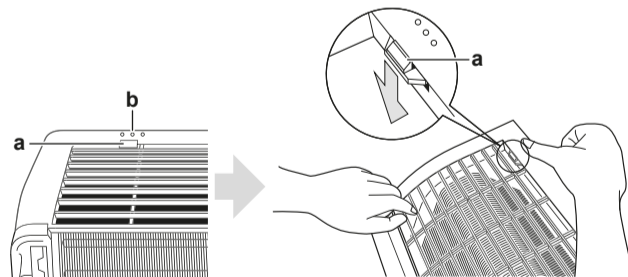
#### 5.1.3 To remove the front grille



#### CAUTION

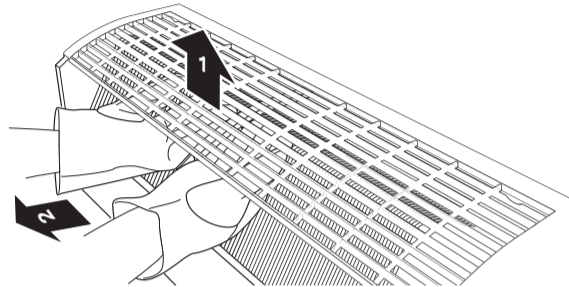
Wear adequate personal protective equipment (protective gloves, safety glasses,...) when installing, maintaining or servicing the system.

- 1 Remove the front panel to remove the air filter.
- 2 Remove 2 screws from the front grille.
- 3 Push down the 3 upper hooks marked with a symbol with 3 circles.



a Upper hook  
b Symbol with 3 circles

- 4 We recommend opening the flap before removing the front grille.
- 5 Place both hands under the centre of the front grille, push it up and then toward you.

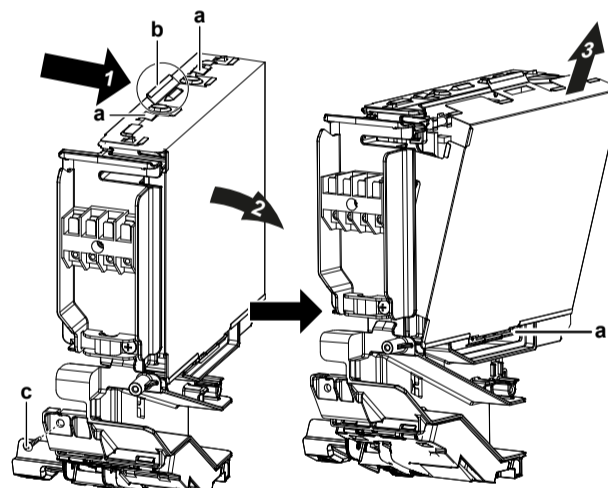


#### 5.1.4 To re-install the front grille

- 1 Install the front grille and firmly engage the 3 upper hooks.
- 2 Install 2 screws (class 20~35) back on the front grille.
- 3 Install the air filter and then mount the front panel.

#### 5.1.5 To remove the electrical wiring box cover

- 1 Remove the front grille.
- 2 Remove 1 screw from the electrical wiring box.
- 3 Open the electrical wiring box cover by pulling the protruding part on the top of the cover.
- 4 Unhook the tab on the bottom and remove the electrical wiring box cover.

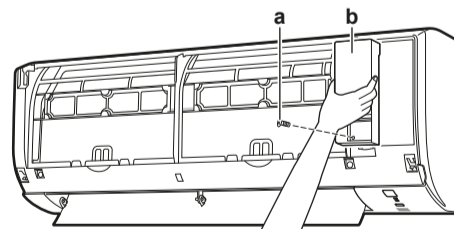


a Tab  
b Protruding part on the top of the cover  
c Screw

- 5 To re-install the cover, first hook the bottom tab onto the electrical wiring box, and slide the cover into the 2 upper tabs.

#### 5.1.6 To open the service cover

- 1 Remove 1 screw from the service cover.
- 2 Pull out the service cover horizontally away from the unit.



a Service cover screw

## 5 Installation

b Service cover

### 5.2 Installing the indoor unit

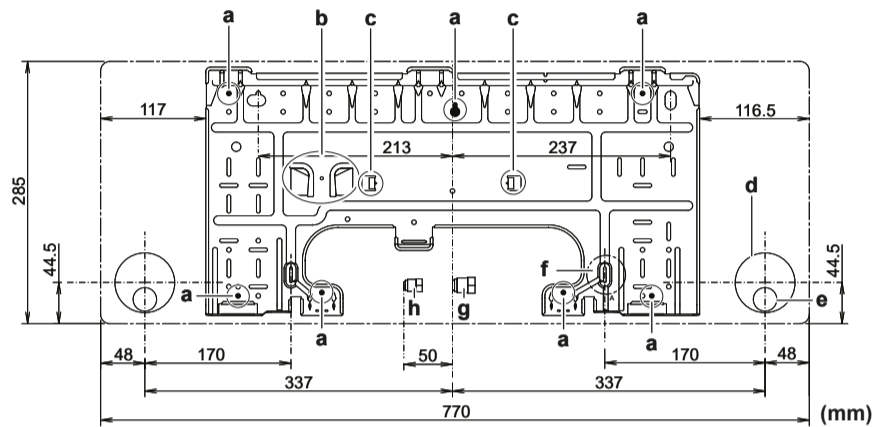
#### 5.2.1 To install the mounting plate

- 1 Install the mounting plate temporarily.
- 2 Level the mounting plate.

- 3 Mark the centres of the drilling points on the wall using a tape measure. Position the end of tape measure at symbol "b".
- 4 Finish the installation by securing the mounting plate on the wall using M4×25L screws (field supply).

#### **i** INFORMATION

The removed pipe port cover can be kept in the mounting plate pocket.



- A Class 20~35
- a Recommended mounting plate fixing spots
- b Pocket for the pipe port cover
- c Tabs for placing a spirit level
- d Through-the-wall hole  $\varnothing 65$  mm
- e Drain hose position
- f Position for the tape measure at symbol "b"
- g Gas pipe end
- h Liquid pipe end

#### 5.2.2 To drill a wall hole

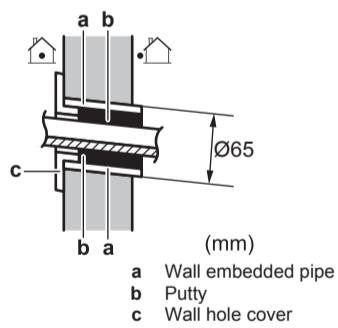
##### **!** CAUTION

For walls containing a metal frame or a metal board, use a wall embedded pipe and wall cover in the feed-through hole to prevent possible heat, electrical shock, or fire.

##### **!** NOTICE

Be sure to seal the gaps around the pipes with sealing material (field supply), in order to prevent water leakage.

- 1 Bore a 65 mm large feed-through hole in the wall with a downward slope towards the outside.
- 2 Insert a wall embedded pipe into the hole.
- 3 Insert a wall cover into the wall pipe.

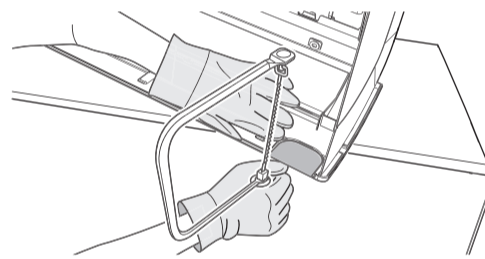


- 4 After completing wiring, refrigerant piping and drain piping, do NOT forget to seal the gap with putty.

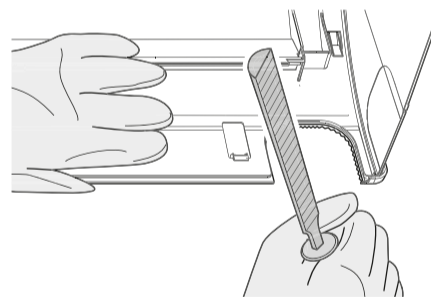
#### 5.2.3 To remove the pipe port cover

To connect the piping on right-side, right-bottom, left-side or left-bottom, the pipe port cover MUST be removed.

- 1 Cut off the pipe port cover from inside the front grille using a coping saw.



- 2 Remove any burrs along the cut section using a half round needle file.



##### **!** NOTICE

Do NOT use nippers to remove the pipe port cover, as this would damage the front grille.

#### 5.2.4 To provide drainage

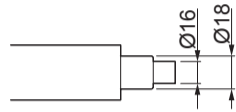
Make sure condensation water can be evacuated properly. This involves:

- General guidelines
- Connecting the drain piping to the indoor unit
- Checking for water leaks

## 5 Installation

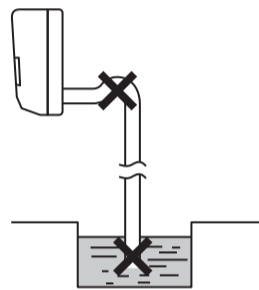
### General guidelines

- **Pipe length.** Keep drain piping as short as possible.
- **Pipe size.** If drain hose extension or embedded drain piping is required, use appropriate parts that match the hose front end.

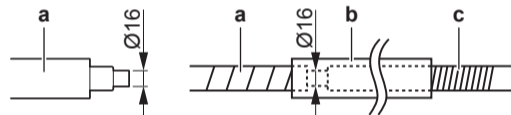


#### NOTICE

- Install the drain hose with a downward slope.
- Traps are NOT permitted.
- Do NOT put the end of the hose in water.



- **Drain hose extension.** To extend the drain hose, use a field supplied hose with inner  $\varnothing 16$  mm. Do NOT forget to use a heat insulation tube on the indoor section of the extension hose.



- a Drain hose supplied with the indoor unit
- b Heat insulation tube (field supply)
- c Extension drain hose

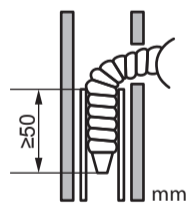
- **Rigid polyvinyl chloride pipe.** When connecting a rigid polyvinyl chloride pipe (nominal  $\varnothing 13$  mm) directly to the drain hose as with embedded piping work, use a field supplied drain socket (nominal  $\varnothing 13$  mm).



- a Drain hose supplied with the indoor unit
- b Drain socket with nominal  $\varnothing 13$  mm (field supply)
- c Rigid polyvinyl chloride pipe (field supply)

- **Condensation.** Take measures against condensation. Insulate the complete drain piping in the building.

- 1 Insert the drain hose in the drain pipe as shown in the following figure, so it will NOT be pulled out of the drain pipe.

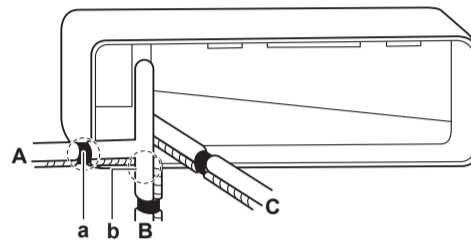


### To connect the piping on right side, right-back, or right-bottom

#### INFORMATION

The factory default is right-side piping. For left-side piping, remove the piping from the right side and install it on the left side.

- 1 Attach the drain hose with adhesive vinyl tape to the bottom of the refrigerant pipes.
- 2 Wrap the drain hose and the refrigerant pipes together using insulation tape.



- A Right-side piping
- B Right-bottom piping
- C Right-back piping
- a Remove the pipe port cover here for right-side piping.
- b Remove the pipe port cover here for right-bottom piping.

### To connect the piping on left side, left-back, or left-bottom

#### INFORMATION

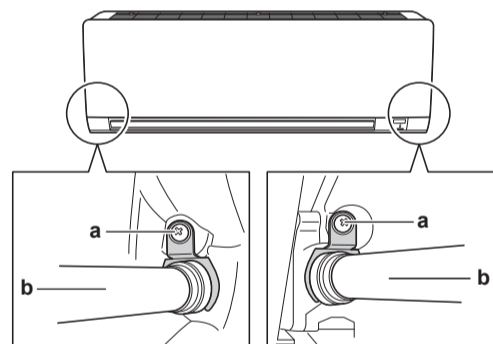
The factory default is right-side piping. For left-side piping, remove the piping from the right side and install it on the left side.

- 1 Remove the insulation fixing screw on the right side and remove the drain hose.
- 2 Remove the drain plug on the left side and attach it to the right side.

#### NOTICE

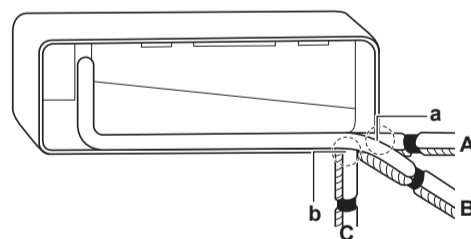
Do NOT apply lubricating oil (refrigerant oil) to the drain plug when inserting it. The drain plug may deteriorate and cause drain leakage from the plug.

- 3 Insert the drain hose on the left side and do not forget to tighten it with the fixing screw; otherwise water leakage may occur.



- a Insulation fixing screw
- b Drain hose

- 4 Attach the drain hose to the refrigerant pipes bottom side using adhesive vinyl tape.

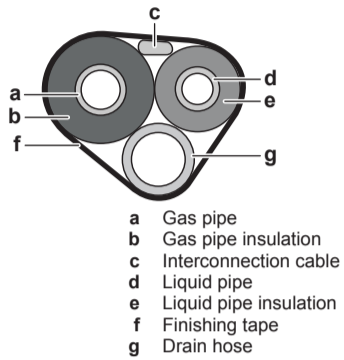
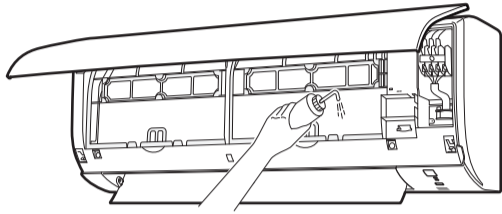


- A Left-side piping
- B Left-back piping
- C Left-bottom piping
- a Remove the pipe port cover here for left-side piping.
- b Remove the pipe port cover here for left-bottom piping.

## 5 Installation

### To check for water leaks

- 1 Remove the air filters.
- 2 Gradually pour approximately 1 l of water in the drain pan, and check for water leaks.



#### NOTICE

Make sure to insulate all refrigerant piping. Any exposed piping might cause condensation.

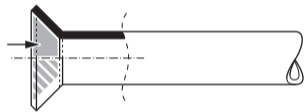
### 5.3 Connecting the refrigerant piping

**DANGER: RISK OF BURNING**

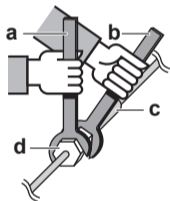
#### 5.3.1 Guidelines when connecting the refrigerant piping

Take the following guidelines into account when connecting pipes:

- Coat the flare inner surface with ether oil or ester oil when connecting a flare nut. Tighten 3 or 4 turns by hand, before tightening firmly.



- ALWAYS use 2 wrenches together when loosening a flare nut.
- ALWAYS use a spanner and torque wrench together to tighten the flare nut when connecting the piping. This to prevent nut cracking and leaks.



- a Torque wrench  
b Spanner  
c Piping union  
d Flare nut

Piping size (mm)	Tightening torque (N·m)	Flare dimensions (A) (mm)	Flare shape (mm)
Ø6.4	15~17	8.7~9.1	
Ø9.5	33~39	12.8~13.2	
Ø12.7	50~60	16.2~16.6	

#### 5.3.2 To connect the refrigerant piping to the indoor unit

- **Pipe length.** Keep refrigerant piping as short as possible.
- **Flare connections.** Connect refrigerant piping to the unit using flare connections.
- **Insulation.** Insulate the refrigerant piping, interconnection cable and drain hose on the indoor unit as follows:

### 5.4 Connecting the electrical wiring



**DANGER: RISK OF ELECTROCUTION**



#### WARNING

ALWAYS use multicore cable for power supply cables.



#### WARNING

If the supply cord is damaged, it MUST be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



#### WARNING

Do NOT connect the power supply to the indoor unit. This could result in electrical shock or fire.



#### WARNING

- Do NOT use locally purchased electrical parts inside the product.
- Do NOT branch the power supply for the drain pump, etc. from the terminal block. This could result in electrical shock or fire.



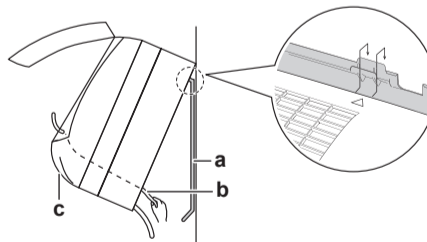
#### WARNING

Keep the interconnection wiring away from copper pipes without thermal insulation as such pipes will be very hot.

#### 5.4.1 To connect the electrical wiring on the indoor unit

Electrical work should be carried out in accordance with the installation manual and the national electrical wiring rules or code of practice.

- 1 Set the indoor unit on the mounting plate hooks. Use the "△" marks as a guide.



- a Mounting plate (accessory)  
b Interconnection cable  
c Wire guide

- 2 Open the front panel, and then the service cover. Refer to "5.1 Opening the indoor unit" on page 5.





## 6 Configuration

- 3 Pass the interconnection cable from the outdoor unit through the feed-through wall hole, through the back of the indoor unit and through the front side.

**Note:** In case the interconnection cable was stripped in advance, cover the ends with insulating tape.

- 4 Bend the end of the cable up.



### NOTICE

- Be sure to keep the power line and transmission line apart from each other. Transmission wiring and power supply wiring may cross, but may NOT run parallel.
- In order to avoid any electrical interference the distance between both wirings should ALWAYS be at least 50 mm.

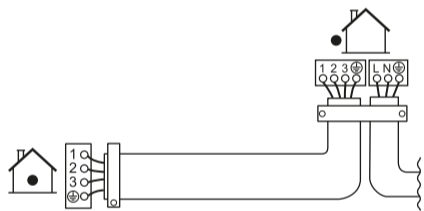


### WARNING

Provide adequate measures to prevent that the unit can be used as a shelter by small animals. Small animals that make contact with electrical parts can cause malfunctions, smoke or fire.

- a Terminal block
- b Electrical component block
- c Wire retainer

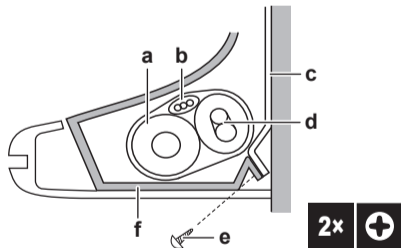
- 5 Strip the wire ends approximately 15 mm.
- 6 Match wire colours with terminal numbers on the indoor unit terminal blocks and firmly screw the wires to the corresponding terminals.
- 7 Connect the earth wire to the corresponding terminal.
- 8 Firmly fix the wires with the terminal screws.
- 9 Pull the wires to make sure that they are securely attached, then retain the wires with the wire retainer.
- 10 Shape the wires so that the service cover fits securely, then close the service cover.



## 5.5 Finishing the indoor unit installation

### 5.5.1 To insulate the drain piping, refrigerant piping and interconnection cable

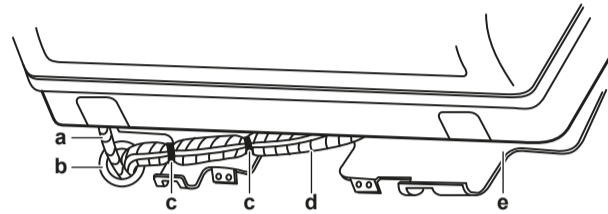
- 1 After the drain piping, refrigerant piping and the electrical wiring are finished. Wrap refrigerant pipes, interconnection cable and drain hose together using insulation tape. Overlap at least half the width of the tape with each turn.



- a Drain hose
- b Interconnection cable
- c Mounting plate (accessory)
- d Refrigerant pipes
- e Indoor unit fixing screw M4×12L (accessory)
- f Bottom frame

### 5.5.2 To pass the pipes through the wall hole

- 1 Shape the refrigerant pipes along the pipe path marking on the mounting plate.

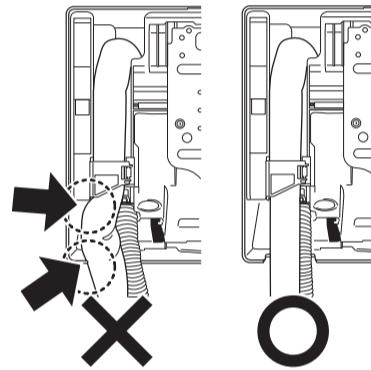


- a Drain hose
- b Caulk this hole with putty or caulking material.
- c Adhesive vinyl tape
- d Insulation tape
- e Mounting plate (accessory)



### NOTICE

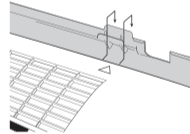
- Do NOT bend refrigerant pipes.
- Do NOT push the refrigerant pipes onto the bottom frame or the front grille.



- 2 Pass the drain hose and refrigerant pipes through the wall hole.

### 5.5.3 To fix the unit on the mounting plate

- 1 Set the indoor unit on the mounting plate hooks. Use the "△" marks as a guide.



- 2 Press the bottom frame of the unit with both hands to set it on the bottom hooks of the mounting plate. Make sure that the wires do NOT get squeezed anywhere.

**Note:** Take care that the interconnection cable does NOT get caught in the indoor unit.

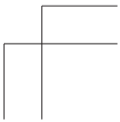
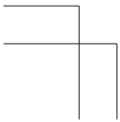
- 3 Press the bottom edge of the indoor unit with both hands until it is firmly caught by the mounting plate hooks.
- 4 Secure the indoor unit to the mounting plate using 2 indoor unit fixing screws M4×12L (accessory).

## 6 Configuration

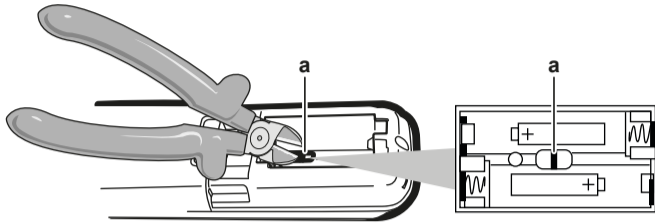
### 6.1 To set a different address

In case 2 indoor units are installed in 1 room, different addresses for 2 user interfaces can be set.

- 1 Remove the batteries from the user interface.
- 2 Cut the address jumper.



## 6 Configuration



a Address jumper



### NOTICE

Be careful NOT to damage any of the surrounding parts when cutting the address jumper.

3 Turn the power supply on.

**Result:** The flap of the indoor unit will open and close to set the reference position.



### INFORMATION

- For FTXF units, the following setting MUST be completed within 5 minutes after the power supply is turned on.
- In case you could NOT complete the setting in time, turn the power supply off and wait at least 1 minute before turning the power supply back on.

4 Press simultaneously:

Model	Buttons
FTXP and ATXP	and
FTXF	and

5 Press:

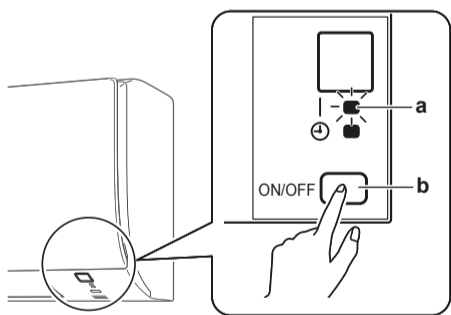
Model	Button
FTXP and ATXP	
FTXF	

6 Select:

Model	Symbol
FTXP and ATXP	
FTXF	

7 Press:

Model	Button
FTXP and ATXP	
FTXF	



a Operation lamp  
b Indoor unit ON/OFF switch

8 Press the indoor unit ON/OFF switch while the operation lamp is blinking.

Jumper	Address
Factory setting	1

Jumper	Address
After cutting with nippers	2



### INFORMATION

If the setting could NOT be completed while the operation lamp was blinking, repeat the setting process from the beginning.

9 When the setting is complete, press:

Model	Button
FTXP and ATXP	Keep  pressed for about 5 seconds.
FTXF	

**Result:** The user interface will return to the previous screen.

10 Press simultaneously:

Model	Buttons
FTXP	and
FTXF	and

11 Press:

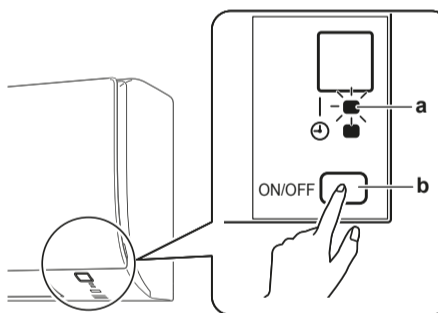
Model	Button
FTXP	
FTXF	

12 Select:

Model	Symbol
FTXP	
FTXF	

13 Press:

Model	Button
FTXP	
FTXF	



a Operation lamp  
b Indoor unit ON/OFF switch

14 Press the indoor unit ON/OFF switch while the operation lamp is blinking.

Jumper	Address
Factory setting	1
After cutting with nippers	2




### INFORMATION

If the setting could NOT be completed while the operation lamp was blinking, repeat the setting process from the beginning.

15 When the setting is complete, press:

## 7 Commissioning

Model	Button
FTXP	Keep  pressed for about 5 seconds.
FTXF	

**Result:** The user interface will return to the previous screen.

## 7 Commissioning



### NOTICE

NEVER operate the unit without thermistors and/or pressure sensors/switches. Burning of the compressor might result.

### 7.1 Checklist before commissioning

Do NOT operate the system before the following checks are OK:

<input type="checkbox"/>	You read the complete installation instructions, as described in the <b>installer reference guide</b> .
<input type="checkbox"/>	The <b>indoor units</b> are properly mounted.
<input type="checkbox"/>	The <b>outdoor unit</b> is properly mounted.
<input type="checkbox"/>	<b>Air inlet/outlet</b> Check that the air inlet and outlet of the unit is NOT obstructed by paper sheets, cardboard, or any other material.
<input type="checkbox"/>	There are <b>NO missing phases</b> or <b>reversed phases</b> .
<input type="checkbox"/>	The <b>refrigerant pipes</b> (gas and liquid) are thermally insulated.
<input type="checkbox"/>	<b>Drainage</b> Make sure drainage flows smoothly. <b>Possible consequence:</b> Condensate water might drip.
<input type="checkbox"/>	The system is properly <b>earthed</b> and the earth terminals are tightened.
<input type="checkbox"/>	The <b>fuses</b> or locally installed protection devices are installed according to this document, and have NOT been bypassed.
<input type="checkbox"/>	The <b>power supply voltage</b> matches the voltage on the identification label of the unit.
<input type="checkbox"/>	The specified wires are used for the <b>interconnection cable</b> .
<input type="checkbox"/>	The indoor unit receives the signals of the <b>user interface</b> .
<input type="checkbox"/>	There are <b>NO loose connections</b> or damaged electrical components in the switch box.
<input type="checkbox"/>	The <b>insulation resistance</b> of the compressor is OK.
<input type="checkbox"/>	There are <b>NO damaged components</b> or <b>squeezed pipes</b> on the inside of the indoor and outdoor units.
<input type="checkbox"/>	There are <b>NO refrigerant leaks</b> .
<input type="checkbox"/>	The correct pipe size is installed and the <b>pipes</b> are properly insulated.
<input type="checkbox"/>	The <b>stop valves</b> (gas and liquid) on the outdoor unit are fully open.

### 7.2 To perform a test run

**Prerequisite:** Power supply MUST be in the specified range.

**Prerequisite:** Test run may be performed in cooling or heating mode.








**Prerequisite:** Test run should be performed in accordance with the operation manual of the indoor unit to make sure that all functions and parts are working properly.

- 1 In cooling mode, select the lowest programmable temperature. In heating mode, select the highest programmable temperature. Test run can be disabled if necessary.
- 2 When the test run is finished, set the temperature to a normal level. In cooling mode: 26~28°C, in heating mode: 20~24°C.
- 3 The system stops operating 3 minutes after the unit is turned OFF.

#### 7.2.1 To perform a test run in winter season

When operating the air conditioner in **Cooling** mode in winter, set it to test run operation using the following method.






##### For FTXP units


- 1 Press , , and  simultaneously.
- 2 Press .
- 3 Select .
- 4 Press .
- 5 Press  to switch the system on.

**Result:** Test run operation will stop automatically after about 30 minutes.

- 6 To stop operation, press .

##### For FTXF units

- 7 Press  to switch the system on.
- 8 Press the centre of , , and  simultaneously.
- 9 Press  twice.

**Result:**  will appear on the display. Test run operation is selected. Test run operation will stop automatically after about 30 minutes.

- 10 To stop operation, press .



### INFORMATION

Some of the functions CANNOT be used in the test run operation mode.

If a power failure occurs during operation, the system automatically restarts immediately after power is restored.

## 8 Disposal

Dismantling of the unit and treatment of the refrigerant, oil and other parts MUST comply with the applicable legislation.





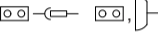











## 9 Technical data

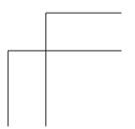
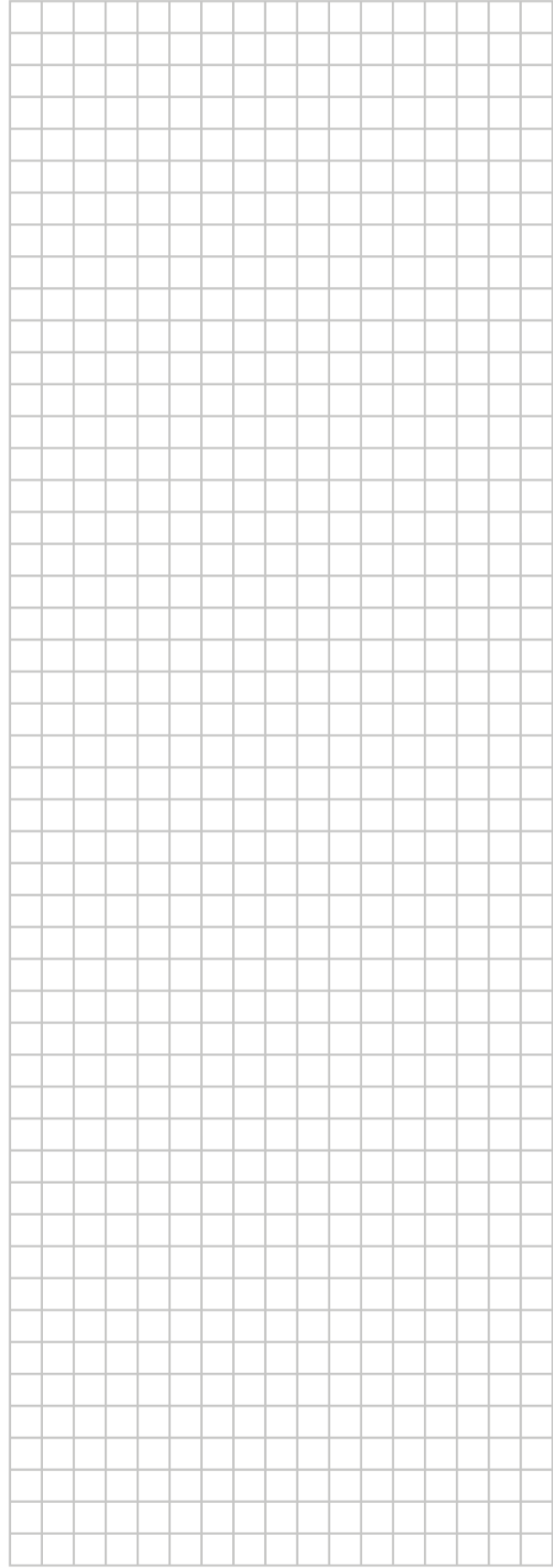
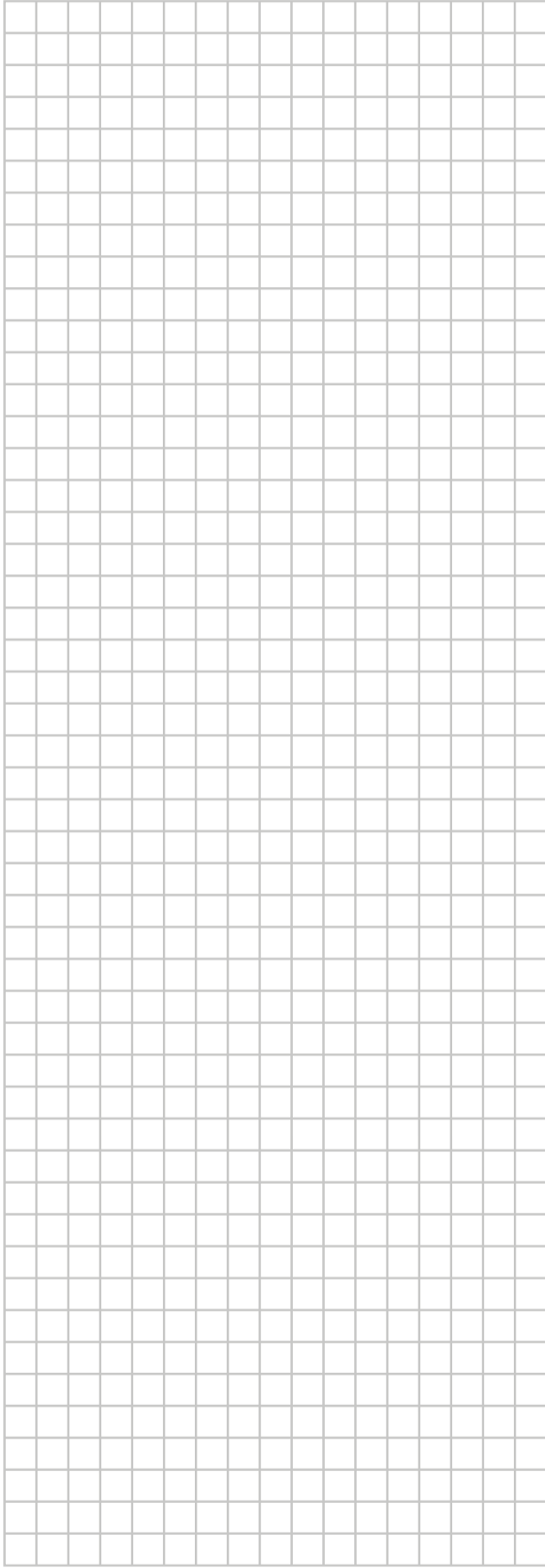
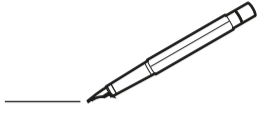
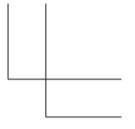
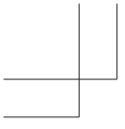
### 9 Technical data

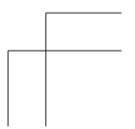
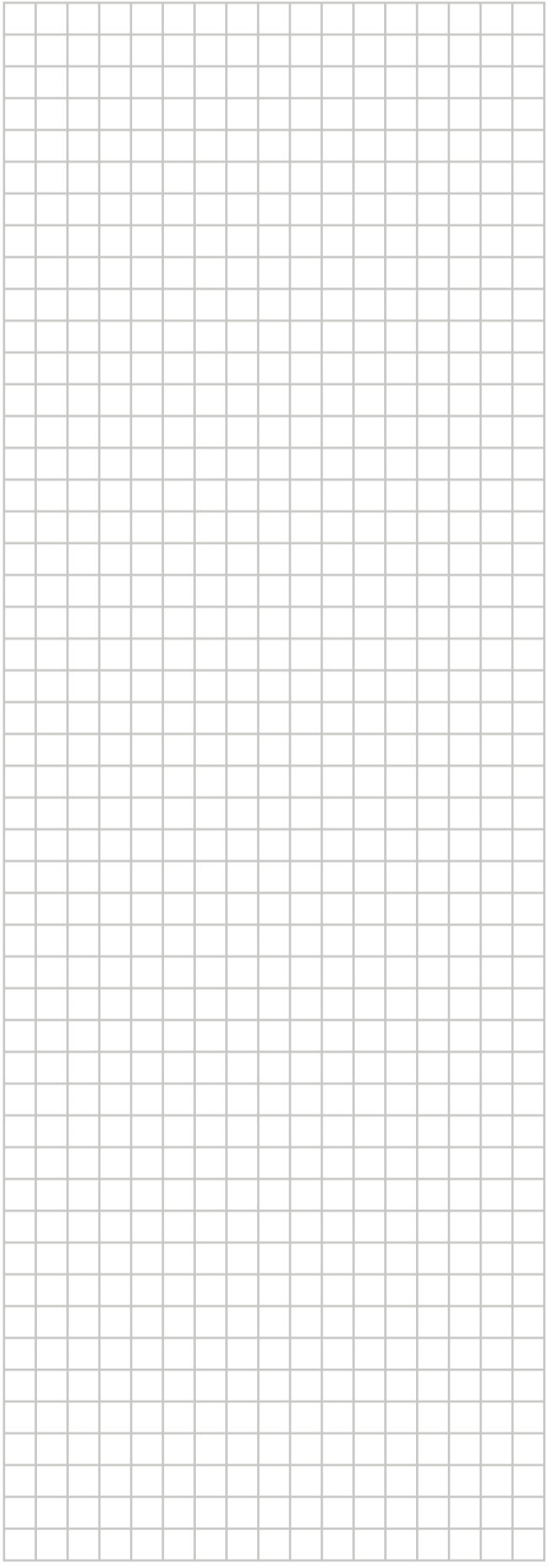
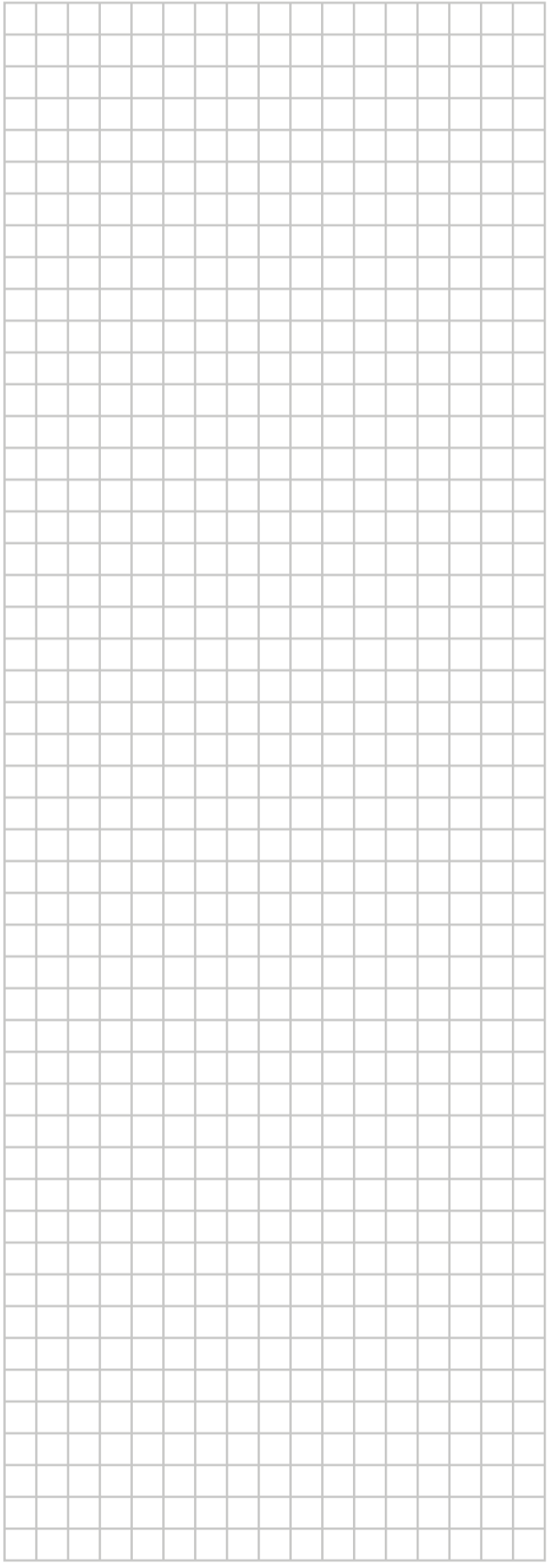
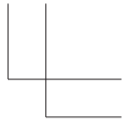
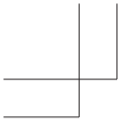
A **subset** of the latest technical data is available on the regional Daikin website (publicly accessible). The **full set** of latest technical data is available on the Daikin Business Portal (authentication required).

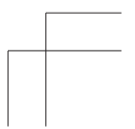
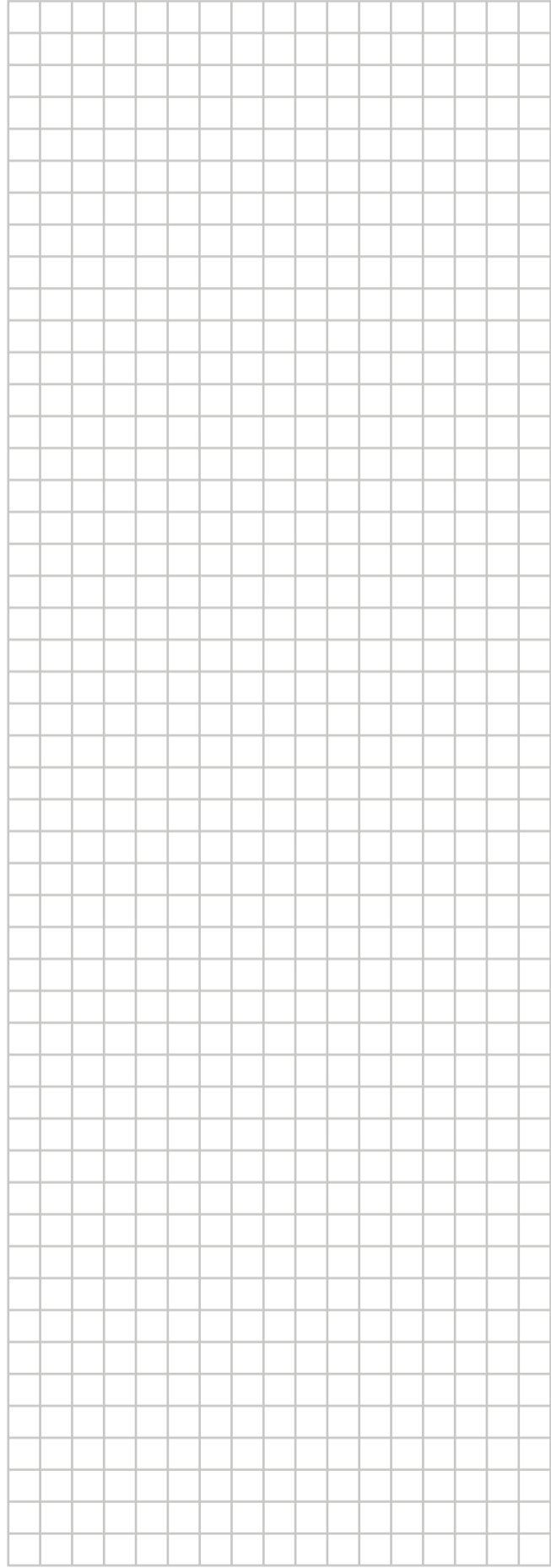
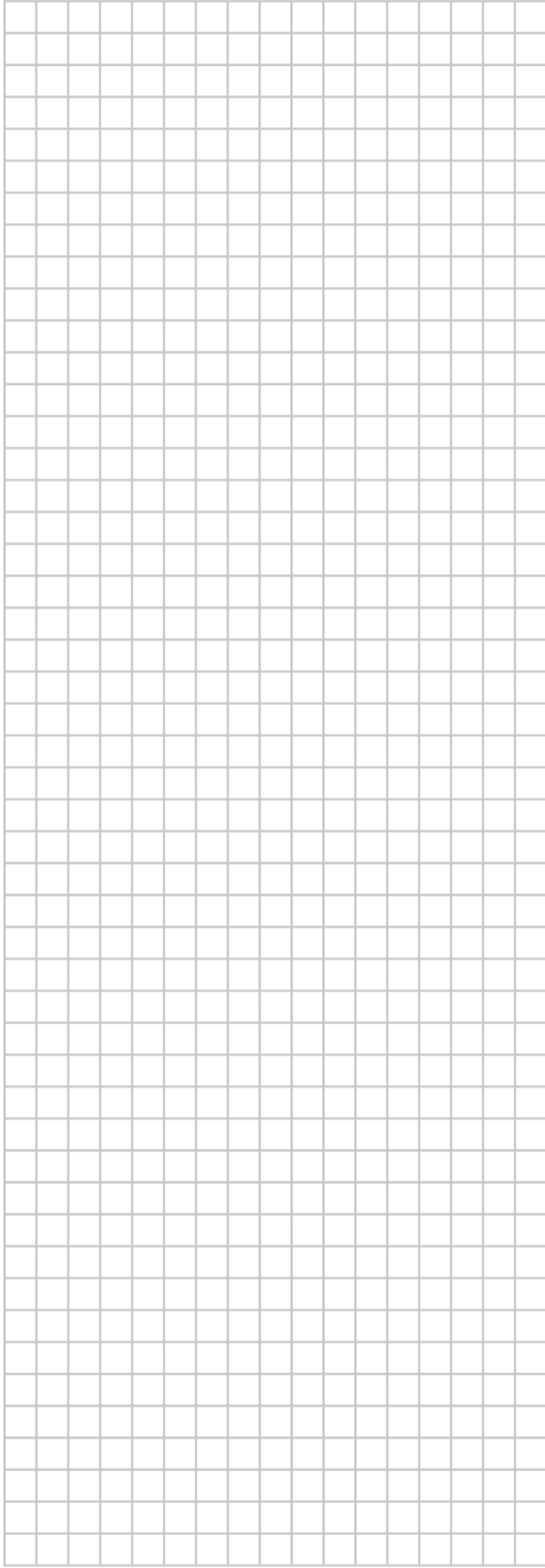
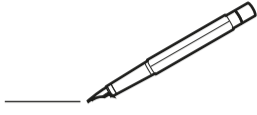
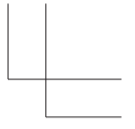
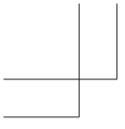
#### 9.1 Wiring diagram

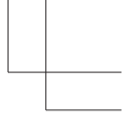
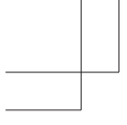
The wiring diagram is delivered with the unit, located inside of the outdoor unit (bottom side of the top plate).

Unified Wiring Diagram Legend					
For applied parts and numbering, refer to the wiring diagram on the unit. Part numbering is by Arabic numbers in ascending order for each part and is represented in the overview below by symbol "*" in the part code.					
	:	CIRCUIT BREAKER		:	PROTECTIVE EARTH
	:	CONNECTION		:	PROTECTIVE EARTH (SCREW)
	:	CONNECTOR		:	RECTIFIER
	:	EARTH		:	RELAY CONNECTOR
	:	FIELD WIRING		:	SHORT-CIRCUIT CONNECTOR
	:	FUSE		:	TERMINAL
	:	INDOOR UNIT		:	TERMINAL STRIP
	:	OUTDOOR UNIT		:	WIRE CLAMP
BLK	:	BLACK	GRN	:	GREEN
BLU	:	BLUE	GRY	:	GREY
BRN	:	BROWN	ORG	:	ORANGE
PNK	:	PINK	PRP, PPL	:	PURPLE
WHT	:	WHITE	RED	:	RED
A*P	:	PRINTED CIRCUIT BOARD	PS	:	SWITCHING POWER SUPPLY
BS*	:	PUSHBUTTON ON/OFF, OPERATION SWITCH	PTC*	:	THERMISTOR PTC
BZ, H*O	:	BUZZER	Q*	:	INSULATED GATE BIPOLAR TRANSISTOR (IGBT)
C*	:	CAPACITOR	Q*DI	:	EARTH LEAK CIRCUIT BREAKER
AC*, CN*, E*, HA*, HE*, HL*, HN*, HR*, MR*_A, MR*_B, S*, U, V, W, X*A, K*R_*	:	CONNECTION, CONNECTOR	Q*L	:	OVERLOAD PROTECTOR
D*, V*D	:	DIODE	Q*M	:	THERMO SWITCH
DB*	:	DIODE BRIDGE	R*	:	RESISTOR
DS*	:	DIP SWITCH	R*T	:	THERMISTOR
E*H	:	HEATER	RC	:	RECEIVER
F*U, FU* (FOR CHARACTERISTICS, REFER TO PCB INSIDE YOUR UNIT)	:	FUSE	S*C	:	LIMIT SWITCH
FG*	:	CONNECTOR (FRAME GROUND)	S*L	:	FLOAT SWITCH
H*	:	HARNESS	S*NP	:	PRESSURE SENSOR (HIGH)
H*P, LED*, V*L	:	PILOT LAMP, LIGHT EMITTING DIODE	S*NPL	:	PRESSURE SENSOR (LOW)
HAP	:	LIGHT EMITTING DIODE (SERVICE MONITOR GREEN)	S*PH, HPS*	:	PRESSURE SWITCH (HIGH)
HIGH VOLTAGE	:	HIGH VOLTAGE	S*PL	:	PRESSURE SWITCH (LOW)
IES	:	INTELLIGENT EYE SENSOR	S*T	:	THERMOSTAT
IPM*	:	INTELLIGENT POWER MODULE	S*RH	:	HUMIDITY SENSOR
K*R, KCR, KFR, KHuR, K*M	:	MAGNETIC RELAY	S*W, SW*	:	OPERATION SWITCH
L	:	LIVE	SA*, F1S	:	SURGE ARRESTOR
L*	:	COIL	SR*, WLU	:	SIGNAL RECEIVER
L*R	:	REACTOR	SS*	:	SELECTOR SWITCH
M*	:	STEPPER MOTOR	SHEET METAL	:	TERMINAL STRIP FIXED PLATE
M*C	:	COMPRESSOR MOTOR	T*R	:	TRANSFORMER
M*F	:	FAN MOTOR	TC, TRC	:	TRANSMITTER
M*P	:	DRAIN PUMP MOTOR	V*, R*V	:	VARISTOR
M*S	:	SWING MOTOR	V*R	:	DIODE BRIDGE
MR*, MRCW*, MRM*, MRN*	:	MAGNETIC RELAY	WRC	:	WIRELESS REMOTE CONTROLLER
N	:	NEUTRAL	X*	:	TERMINAL
n=*, N=*	:	NUMBER OF PASSES THROUGH FERRITE CORE	X*M	:	TERMINAL STRIP (BLOCK)
PAM	:	PULSE-AMPLITUDE MODULATION	Y*E	:	ELECTRONIC EXPANSION VALVE COIL
PCB*	:	PRINTED CIRCUIT BOARD	Y*R, Y*S	:	REVERSING SOLENOID VALVE COIL
PM*	:	POWER MODULE	Z*C	:	FERRITE CORE
			ZF, Z*F	:	NOISE FILTER









**ERC**



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