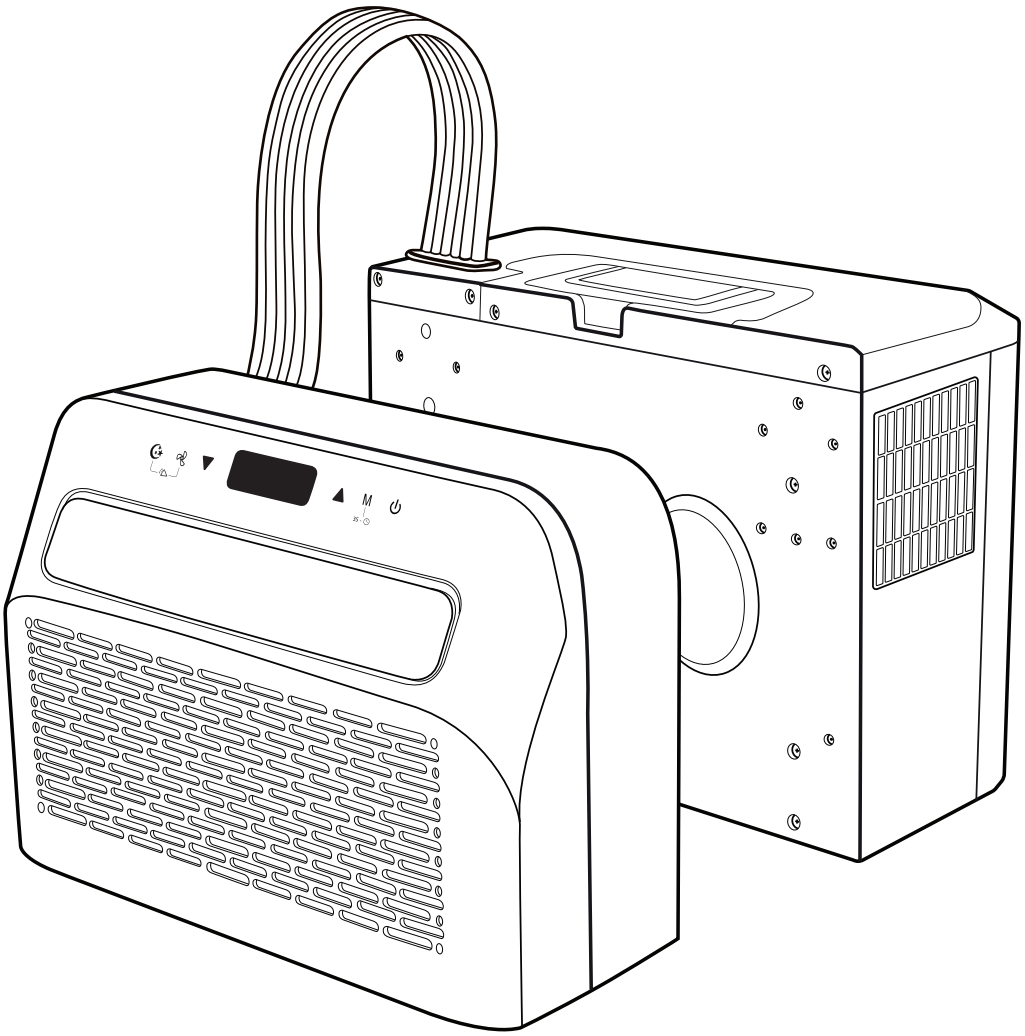
English

HANTECH

# Portable AC



| Art.no. | Model |
| --- | --- |
| 14531761 | YFA-05C/3-W |

# Portable air conditioner for motor homes and caravans

Model YFA-05C/3-W



Please read the entire instruction manual before using the product and then keep it for future reference. We accept no liability for any errors in the text or images and we reserve the right to make any necessary changes to technical data. If you have technical problems or other questions, please contact our customer service team (see the address details on the back).

## Safety

**⚠ Note:**

The product must be stored and transported upright. If you do not know how the product has been stored or transported, do not use it for at least 4 hours after installing it.

**⚠ Warning:**

When you use this product, you must follow these safety instructions. This will minimise the risk of injury, electric shocks and damage to the product.

- Keep children under supervision and do not allow them to play with the product.
- This product is not intended for use by people (including children) with reduced physical, sensory or mental capabilities or with a lack of experience and ability, unless they use the product under supervision or have been given instruction in the use of the product by a person responsible for their safety.
- Be careful not to damage the slats on the air outlet diffuser.
- Never use the product if it or its power cable or plug is damaged or not functioning correctly.
- Repairs must only be carried out by qualified service technicians and only using original spare parts.
- This product is not designed for commercial use.
- Do not expose the indoor unit to rain or moisture.
- Use only accessories that are designed for the product.
- This product is only suitable for the purpose for which it is intended, i.e. cooling/dehumidifying the living accommodation of a motor home or caravan.
- The product must not be taken apart or modified. Some live components inside the product housing have dangerous voltages. Contact with these components could result in a fire or electric shock.
- Keep naked flames at least 2 metres away from the product.
- Keep a clear area of at least 50 cm in front and 20 cm on all sides of the units.
- Ensure that the hoses that run between the units are not crushed, damaged by sharp corners etc. Do not bend or pull the hoses. If the hoses are damaged, contact our customer service team.
- Install the units as described in this manual. The units must be kept upright when in operation and during transport and storage.
- Two people are needed to install the product
- Make sure that the air supply to the units is not blocked.
- Do not insert any foreign objects into the air intake or the air outlet.
- Never place any heavy objects on the product.
- Always switch off the product and disconnect the plug from the wall socket before moving it or carrying out maintenance or if you are not going to use it for a long time.
- Clean the dust filter on the indoor unit at least once a month.
- Store the product in a cool, dry place if you are not going to use it for a long time.
- To prevent water from spilling out, always drain the unit before moving it.
- Do not expose the remote control to strong sunlight, impacts, shocks or liquids.

**Warning!** This product contains R290/propane, a highly flammable refrigerant.

- Take care not to damage the refrigerant circuit. The circuit contains propane (R290), a highly flammable natural gas.
- Never use the product in areas where flammable liquids/materials or gases (petrol, solvents, liquefied petroleum gas) are stored or used.
- Make sure that there are no holes or burns on the product.
- If the refrigerant circuit is damaged, ensure that there are no naked flames or ignition sources nearby. Vent out the gas.
- Remember that refrigerants can be odourless.
- Service technicians who work on the refrigerant circuit must have the appropriate certification issued by an accredited organisation to ensure that they have the correct skills for handling refrigerants.

## Responsible disposal

This symbol indicates that the product should not be disposed of with general household waste. This applies throughout the entire EU. In order to prevent any harm to the environment or health hazards caused by incorrect waste disposal, the product must be handed in for recycling so that the materials can be disposed of in a responsible way. To recycle the product, take it to your local recycling facility or contact the retailer. They will ensure that the product is disposed of in a way that does not harm the environment.

## Specifications

| | |
|---|---|
| **Rated voltage** | 220–240 V, 50 Hz |
| **Fuse** | 250 VAC, T3, 15A |
| **Power output** | 560 W |
| **Remote control batteries** | 2 × LR03/AAA |
| **Cooling capacity** | 5000 Btu/h (1465 W) |
| **Dehumidification capacity** | 0.5 litres/hour |
| **Compressor type** | Rotor |
| **Refrigerant** | R290/0.13 kg |
| **Operating temperature** | 15–40ºC |
| **Max. window frame thickness** | 50 mm |
| **Weight** | 20.5 kg |

### Indoor unit

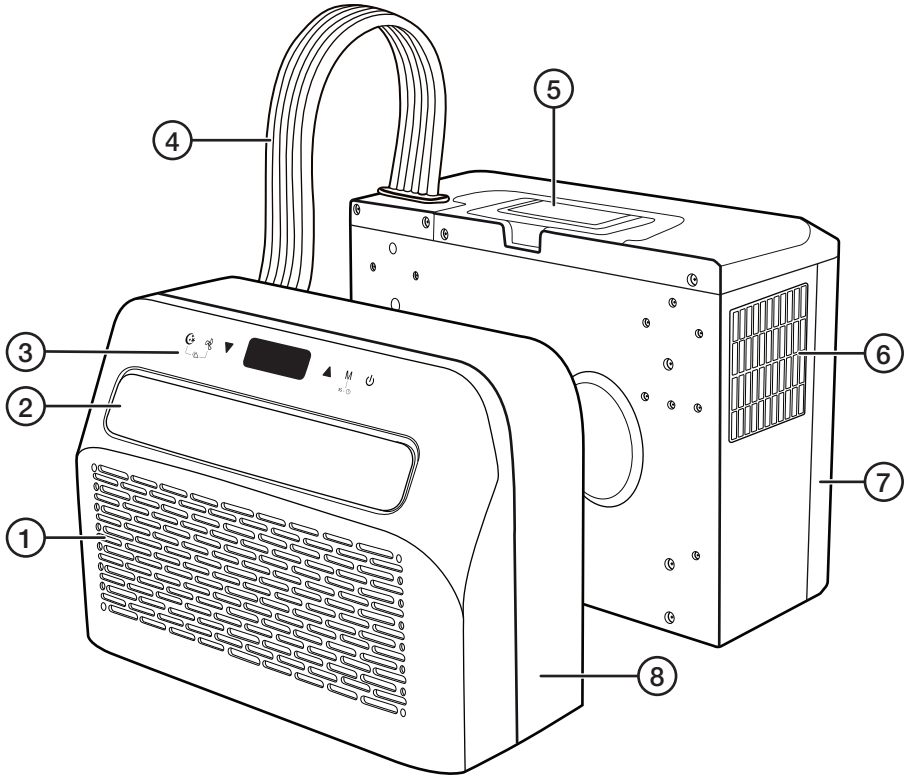
| | |
|---|---|
| **Air flow** | 140–200 m³/h |
| **Noise level** | 46 dB |
| **Dimensions** | 440 × 180 × 315 mm |

### Outdoor unit

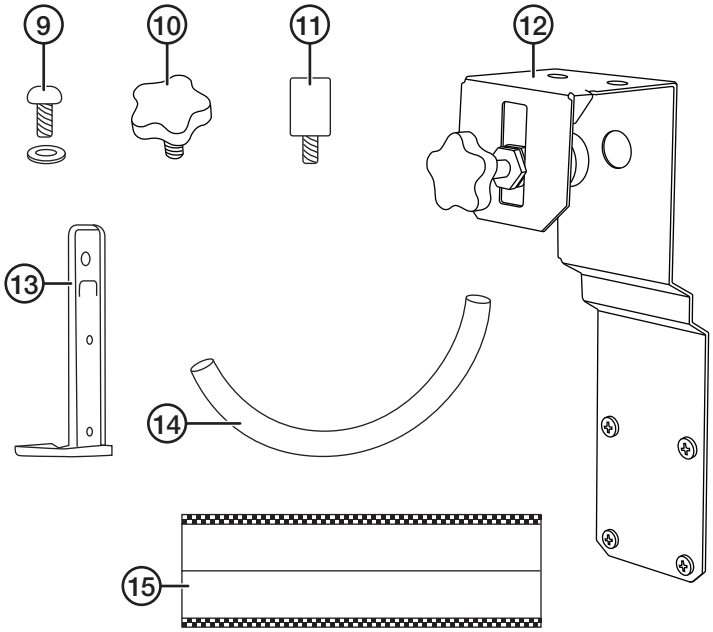
| | |
|---|---|
| **IP rating** | IPX4 |
| **Dimensions** | 440 × 215 × 335 mm |

# Product description

1. Air inlet
2. Air outlet
3. Control panel
4. Hoses
5. Carrying handle
6. Air outlet
7. Outdoor unit
8. Indoor unit



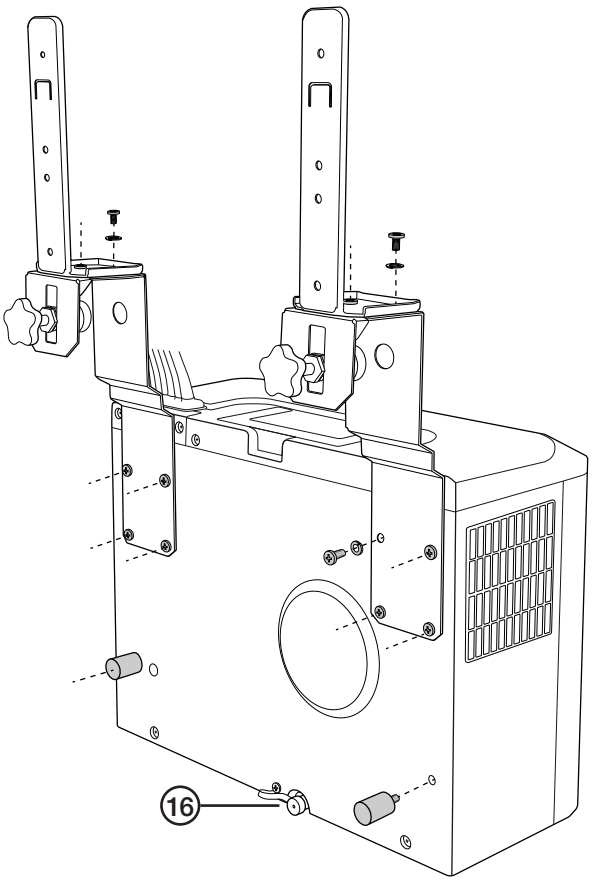

9. Bolts and lock washers for hanging bracket, 12 pcs
10. Star knob M6 bolt for L-bracket, 2 pcs
11. Anti-vibration pad, 2 pcs
12. Hanging bracket, 2 pcs
13. L-bracket, 2 pcs
14. Drain hose, 1 pc
15. Hose sheath, 1 pc



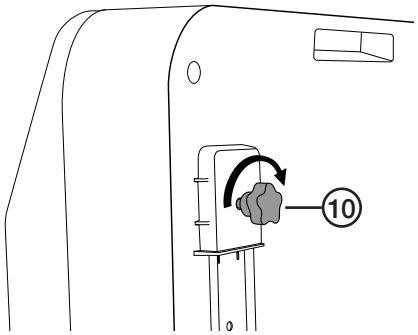
# Installation

**Note:**

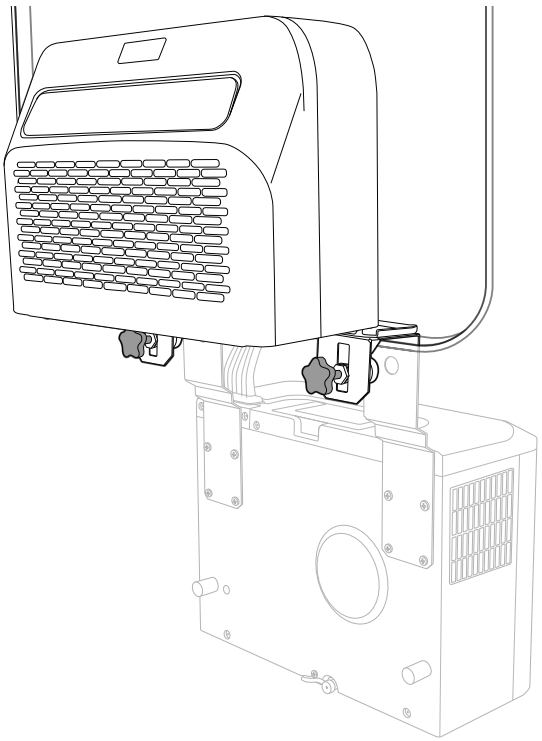
- The product is heavy. Two people are needed to install/uninstall it.
- The product must be kept upright for at least 4 hours before use. If you do not know whether the product has been kept upright when being installed or moved, do not use it for at least 4 hours. This is to prevent damage being caused to the compressor.




1. Bolt the hanging brackets (12) onto the outdoor unit with 8 bolts/lock washers.
2. Bolt the L-brackets (13) onto the hanging brackets with 4 bolts/lock washers.
3. Screw the anti-vibration pads onto the outdoor unit.



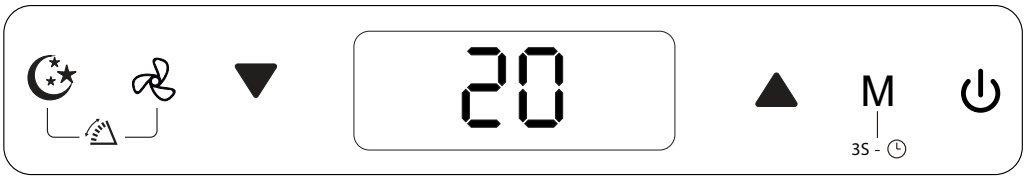

4. Mount the indoor unit on the L-brackets and tighten the bolts (10) to lock the unit in place.
5. Fit the sheath (15) around the hoses using Velcro. The sheath prevents condensation from forming around the hoses.
6. Check that the drainpipe cap (16) is in place and fits tightly on both the indoor and outdoor units.



7. Lift the air conditioner through the window and hook the hanging bracket over the window frame (max. window frame thickness: 50 mm).
8. Tighten the knobs to secure the air conditioner in position. Loosen the lock washers if necessary to adjust the vertical position of the knobs.

# Using the product

## Control panel




Press to activate/deactivate night mode. In night mode, the display is switched off and the air conditioner runs in fan mode (low speed).

Press repeatedly to change the fan mode (high/low).

Press and hold and simultaneously to switch the air diffuser on/off.

Press repeatedly to increase/decrease the set temperature and to set the timer.
Press and hold both buttons simultaneously to change the temperature unit (ºC/ºF).

[M] Mode, press repeatedly to switch between **cooling mode**, **fan mode** and **dehumidifying mode**. Hold for 3 seconds to activate the timer.

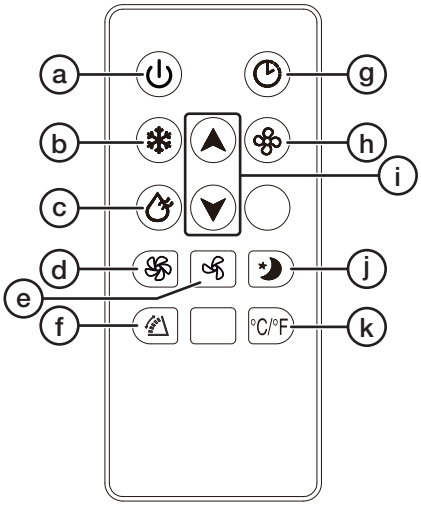
Press to turn the air conditioner on/off.

### *Display*

In **standby**, **fan** and **dehumidifying mode,** the display shows the current temperature.
In **cooling mode**, it shows the set (required) temperature.

## Remote control

a) On/off
b) Cooling mode
c) Dehumidification mode
d) Fan, high
e) Fan, low
f) Air diffuser, on/off
g) Timer, on/off
h) Fan mode
i) Increase/decrease temperature, set timer
j) Night mode, on/off
k) **°C/°F** Select the temperature unit




### *Replacing the battery*

1. Remove the battery cover on the back of the remote control by sliding it in the direction of the arrow.
2. Insert two new AAA batteries. Follow the markings in the battery compartment to ensure that the polarity is correct.
3. Slide the battery cover back into place.

## Timer

**Delayed start:**

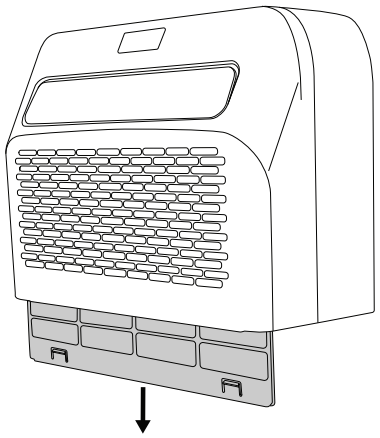
1. In standby mode, press [**M**] on the control panel for 3 seconds or press on the remote control to activate the timer.
2. Use ▲ and ▼ to set the time. Select a time between 0 and 24 hours, where 0 deactivates the timer.

The remaining time before the air conditioner switches on will be shown on the display.

**Delayed shutdown:**

Repeat the procedure above with the air conditioner switched on to set the timer for delayed shutdown.

# Cleaning and maintenance

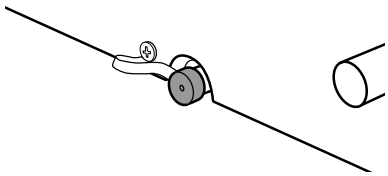


**Warning!** Unplug the power cable before cleaning the product.

- Wipe the product using a soft damp cloth. Use a mild detergent. Never use solvents or abrasive cleaning agents.
- Vacuum or blow the dust off the indoor and outdoor unit air intakes and air outlets regularly.
- Clean the filter in the indoor unit by removing it and vacuuming it or rinsing it in water. Use only lukewarm water. Do not leave the filter in the sun. Make sure that the filter is completely dry before replacing it.
- Drain the condensation from the indoor and outdoor units regularly.

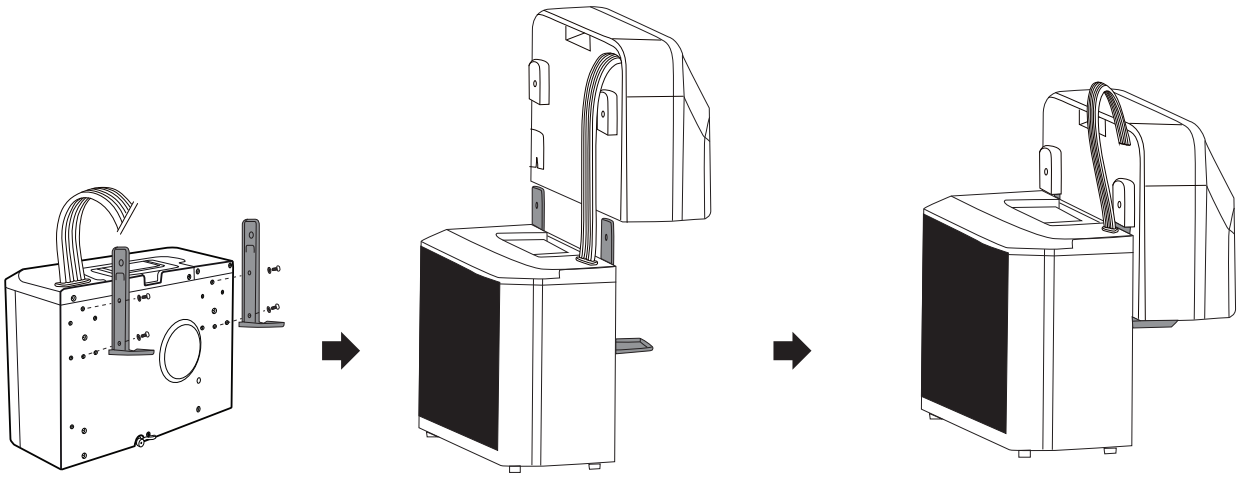
### *When the product will not be used for a long time*

1. Run the product in ventilation mode for a few hours to dry the internal parts.
2. Switch off the product and unplug it from the wall socket.
3. Take the batteries out of the remote control.
4. Clean the air filter of the indoor unit. Make sure that the filter is completely dry before replacing it.
5. Drain condensation from the units by removing the drain cap, connecting the hose (14) and letting the water run into a suitable container.
6. Remove the product from the window and store it in a cool, dry place. Never store it near products with a naked flame.



- We recommend storing the product in its original packaging when it is not in use. This protects it from dust and dirt.
- Alternatively, you can fit the bracket in *storage mode*.

*Storage mounted L-brackets*



## Troubleshooting

| Problem/error code | Cause/solution |
|---|---|
| Product will not start when turned on. | • Change the batteries in the remote control<br>• Is there a power supply to the wall socket? Contact our customer service team for more troubleshooting advice. |
| Poor air flow/cooling effect | • The air conditioning unit is set to a low output.<br>• The air filter is dirty and needs cleaning.<br>• The air inlet or outlet of the indoor unit is blocked.<br>• The ambient temperature is too low or too high.<br>• Inadequate power supply. |
| The fan is running but the air does not feel cold. | • The air conditioning unit is in ventilation mode.<br>• Cooling mode has been temporarily deactivated. Wait for 3–5 minutes until the thermostat switches on again. |
| The product is making an abnormal noise or producing abnormal vibration. | • The mounting brackets are fitted incorrectly or the bolts are not tightened.<br>• The rubber anti-vibration pads on the outdoor unit are missing. |
| Water is leaking from the indoor unit. | The product is not vertical. The product must be at an angle of less than 3º. |
| The product gives off a strong smell. | Switch the product off immediately and contact our customer service team. |
| Error code **FL** | The water tank is full. Remove the drain plug and drain the condensation. |
| Error code **E1** | Fault in the system temperature sensor, contact the customer service team. |
| Error code **E2** | Fault in the room temperature sensor, contact the customer service team. |
| Error code **EF** | Motor fault in the indoor unit, contact the customer service team. |
| Error code **E4** | Frost protection triggered. Check that the air outlet is not blocked. |
| Error code **E9** | Restart required. Switch the air conditioning unit off and on. |

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