



REFRIGERATION

SILENCIO HC



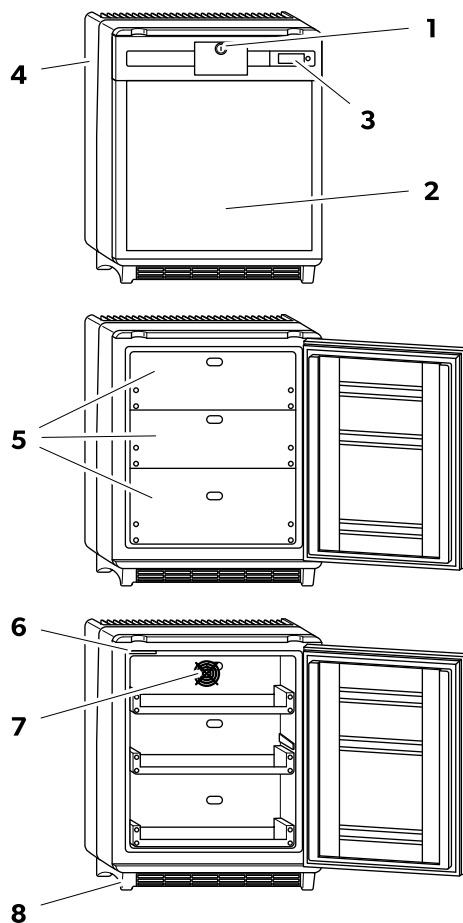
HC 302

EN	Medication refrigerator
	Installation and Operating Manual..... 7

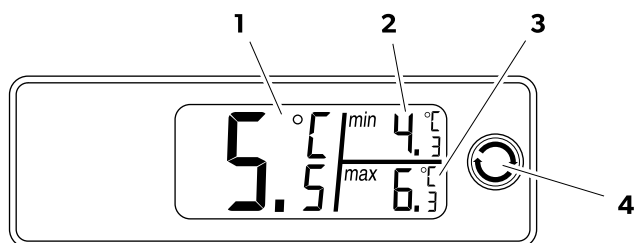
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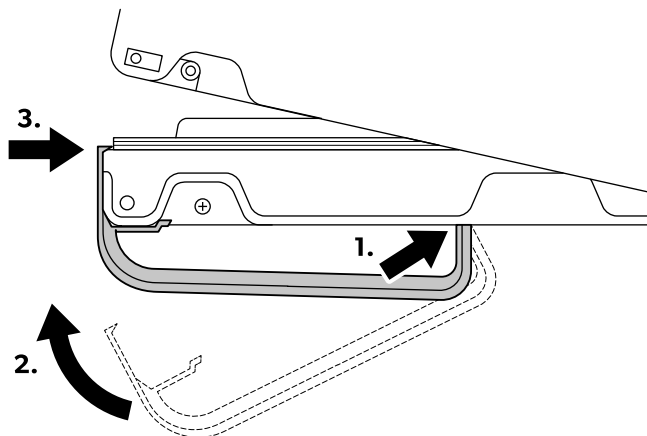
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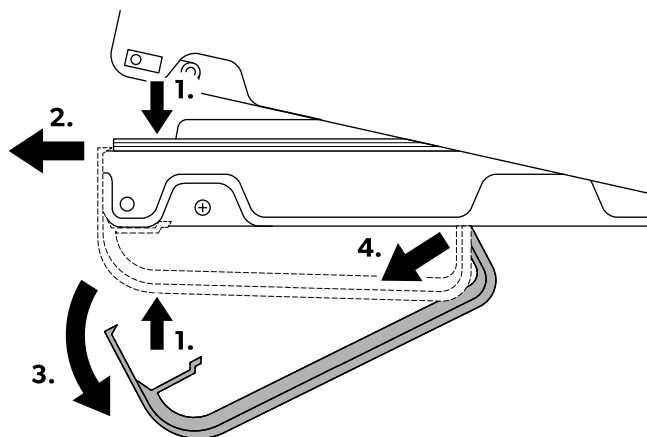
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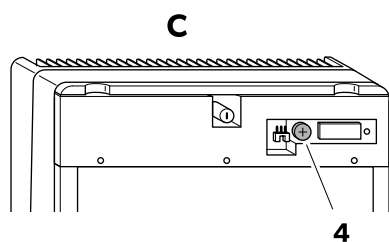
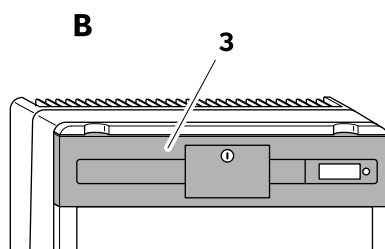
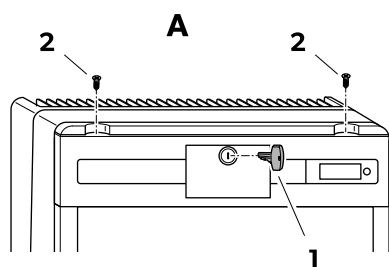
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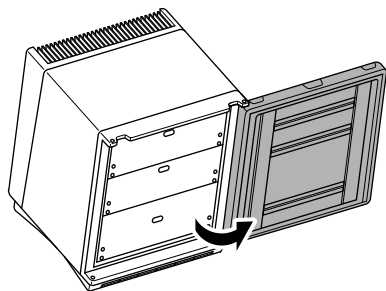


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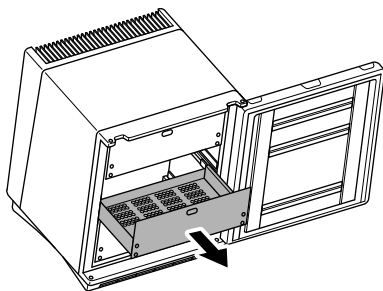


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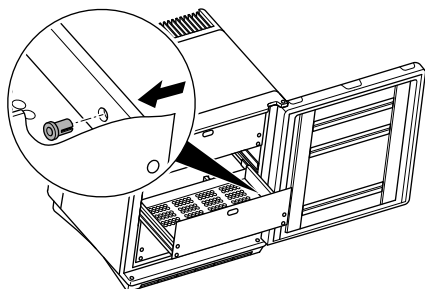
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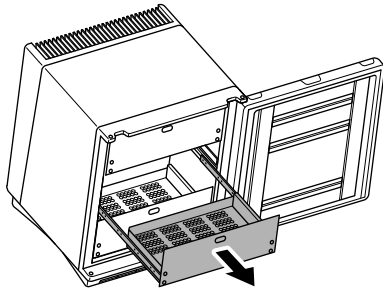
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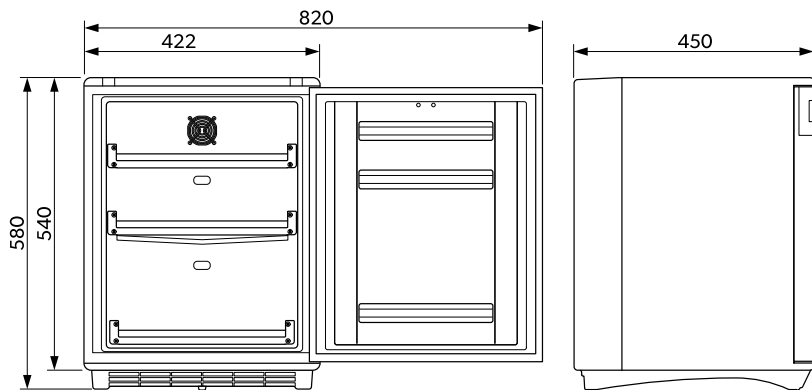


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HC302



English

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1 Important notes

Please read these instructions carefully and follow all instructions, guidelines, and warnings included in this product manual in order to ensure that you install, use, and maintain the product properly at all times. These instructions **MUST** stay with this product.

By using the product, you hereby confirm that you have read all instructions, guidelines, and warnings carefully and that you understand and agree to abide by the terms and conditions as set forth herein. You agree to use this product only for the intended purpose and application and in accordance with the instructions, guidelines, and warnings as set forth in this product manual as well as in accordance with all applicable laws and regulations. A failure to read and follow the instructions and warnings set forth herein may result in an injury to yourself and others, damage to your product or damage to other property in the vicinity. This product manual, including the instructions, guidelines, and warnings, and related documentation, may be subject to changes and updates. For up-to-date product information, please visit documents.dometic.com.

2 Explanation of symbols

A signal word will identify safety messages and property damage messages, and also will indicate the degree or level of hazard seriousness.



WARNING!

- > Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION!

- > Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.



NOTICE!

- > Indicates a situation that, if not avoided, could result in property damage.



NOTE Supplementary information for operating the product.

3 Safety Instructions



WARNING! Electrocution hazard

- > The device has to be installed by a qualified technician in accordance with the Dometic installation manual.
- > Do not operate the device if it is visibly damaged.
- > This device may only be repaired by qualified personnel. Inadequate repairs may cause serious hazards.
- > If the refrigerator's power cable is damaged, it must be replaced with a suitable power cable or assembly available from the manufacturer or its service agent to prevent safety hazard.
- > When positioning the refrigerator, ensure the supply cord is not trapped or damaged.
- > Do not locate multiple portable socket-outlets or portable power supplies at the rear of the refrigerator.
- > Do not touch exposed cables with your bare hands.
- > Plug the device to sockets that ensure proper connection especially when the device needs to be grounded.



WARNING! Fire hazard

- > After installation, it must still be possible to disconnect the device from the power supply mains. This may be achieved by having the plug accessible or by incorporating a switch in the fixed wiring according to the wiring rules.
- > The refrigerant in the refrigerant circuit is highly flammable. In the event of any damage to the refrigerant circuit:
 - Switch off the device.
 - Avoid naked flames and sparks.
 - Air the room well.
- > **For refrigerators with flammable refrigerant:**
 - The refrigeration circuit contains a small quantity of an environmentally friendly but flammable refrigerant. It does not damage the ozone layer and does not increase the greenhouse effect. Any leaking refrigerant may ignite.
 - Do not use or store the refrigerator in confined spaces with none or minimal air flow.

- Keep the installation recess for the refrigerator free of any electrical components and light sources which during normal or abnormal operation produce sparks or arcs (i.e., relays or fuse boxes).



WARNING! Explosion hazard

- > Do not place flammable vapors and liquids near the device.
- > Do not store any explosive substances, such as aerosol cans with propellants, in the refrigerator.



WARNING! Health hazard

- > This refrigerator can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the refrigerator in a safe way and understand the hazards involved.
- > Children aged from 3 to 8 years are allowed to load and unload the refrigerator.
- > Cleaning and user maintenance shall not be made by children without supervision.
- > Children must be supervised to ensure that they do not play with the refrigerator.
- > The medicine and vaccines may only be stored in their original packaging or suitable containers.
- > Check if the cooling capacity of the device is suitable for the storage of the medicine and vaccine to be cooled.
- > Opening the door for long periods can cause significant increase of the temperature in the compartments of the device.
- > To avoid a hazard due to instability of the refrigerator, it must be fixed in accordance with the installation instructions.
- > Keep ventilation openings, on the refrigerator and in its enclosure or in the built-in structure, clear of obstruction.
- > Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- > Do not open or damage the refrigerant circuit under any circumstances.

- > Do not use electrical devices inside the refrigerator unless they are recommended by the manufacturer for that purpose.



CAUTION! Health hazard

- > If the device is left empty for long periods:
 - Switch off the device.
 - Defrost the device.
 - Clean and dry the device.
 - Leave the door open to prevent mold developing within the device.



CAUTION! Electrocution hazard

- > Before starting the refrigerator, ensure that the power cable and the plug are dry.



CAUTION! Risk of injury

- > Do not put your fingers into the hinge.



NOTICE! Damage hazard

- > Check that the voltage specification on the rating label is the same as that of the power supply.
- > Do not store substances that are caustic or contain solvents inside the refrigerator.
- > If present, keep the condensate drain clean at all times.
- > Do not place the refrigerator near naked flames or other heat sources (heaters, direct sunlight, gas ovens etc.).
- > Never immerse the refrigerator in water.
- > Protect the refrigerator and the cable against heat and moisture.
- > Never pull the plug out of the socket by the connection cable.
- > Only carry the refrigerator in an upright position.

4 Scope of delivery

Quantity	Description
1	Refrigerator
1	Handle
1	Battery (CR1632)

5 Intended Use

The medication refrigerator is intended to keep heat sensitive medicines between 2 °C and 8 °C in enclosed buildings, such as:

- Hospitals
- Health centers
- Retirement homes
- Nursing home

The medication refrigerator is **not** intended for installation in:

- Caravans
- Motorhomes

The medication refrigerator is intended for cooling and storing medicines and vaccines in closed containers.

The medication refrigerator is intended for free-standing use only.

The medication refrigerator is **not** intended for:

- Cooling and storing any kind of body fluids (e.g., blood or plasma), or any body parts (e.g., human organs).
- Cooling and storing of beverages and foods, storing fresh foods or freezing foodstuffs.

This product is only suitable for the intended purpose and application in accordance with these instructions.

This manual provides information that is necessary for proper installation and/or operation of the product. Poor installation and/or improper operation or maintenance will result in unsatisfactory performance and a possible failure.

The manufacturer accepts no liability for any injury or damage to the product resulting from:

- Incorrect installation, assembly or connection, including excess voltage
- Incorrect maintenance or use of spare parts other than original spare parts provided by the manufacturer
- Alterations to the product without express permission from the manufacturer
- Use for purposes other than those described in this manual

Dometic reserves the right to change product appearance and product specifications.

6 Technical description

The device operates with compressor cooling using R600a as the refrigerant.

The refrigerant circuit is maintenance-free.

The control panel shows and stores the minimum and maximum inner temperatures from the last reset so that you can check whether the medicinal products have been stored at the appropriate temperatures.

6.1 Overview

 **Fig. 1** on page 3

Item in  Fig. 1	Description
1	Door lock (optional)
2	Door
3	Control panel
4	Cooling unit cover
5	Drawers
6	Interior light
7	Fan
8	Foot frame

6.2 Control elements

 **Fig. 2** on page 3

Item in  Fig. 2	Description
1	Current inner temperature
2	Minimum inner temperature
3	Maximum inner temperature
4	Reset button 

7 Installation

7.1 Unpacking the refrigerator

1. Check if the packaging is damaged.
2. Remove the packaging.
3. Check if the device is damaged.
 - ✓ If damage resulting from transportation is found on the packaging or the device, immediately report it to the transportation firm.

7.2 Installing the refrigerator

1. Choose an installation location where the warm air produced can easily flow away, either upwards or to the sides.
2. Place the device at the chosen installation location.
3. Leave the device to stand for at least 4 h before connecting it to the power supply.

This allows the refrigerant to flow back into the compressor.

7.3 Connecting the refrigerator



NOTICE! Damage hazard

- > Connect the device to a separate circuit to prevent malfunctioning due to problems with other electrical equipment.
- > Never connect the device to a single socket with other electrical equipment by means of a multi-socket.
- > **UK only:** The device is supplied with a plug fitted with 3 A fuse. In case this fuse has to be changed, a 3 A ASTA approved (BS 1362) fuse must be used.

1. Connect the power cable of the device to an AC power supply.
2. Insert the supplied battery into the control panel (Replacing the battery on page 11).
- ✓ The display turns on and shows “- - . -” for 2 s. Then the display shows the current temperature.

7.4 Mounting and removing the door handle

1. Mount the handle as shown:

 **Fig. 3 on page 4**

2. Remove the handle as shown:

 **Fig. 4 on page 4**

8 Operation



CAUTION! Health hazard

- > Always leave some space between the refrigerated goods inside the device to ensure efficient and even cooling. If the drawers are packed too tightly there may be unacceptable temperature values



NOTICE! Damage hazard

- > Store heavy objects only in the bottom drawer of the device.



NOTE A slight layer of frost or water droplets could form in the interior of the device if it has been cooling for longer periods of time due to high ambient temperatures. This is normal because the moisture in the air condenses to water when the temperature in the refrigerator drops. The device is not defective.



NOTE The device has an automatic temperature regulation function. The temperature cannot be set manually.

8.1 Before first use

- > Before first use, clean the device inside and outside with a damp cloth for hygienic reasons.
- > When using the refrigerator for the first time, there may be a mild odor which will disappear after a few hours.
- > Do not store medicines and medicinal products before the cooling capacity range has been reached.
- > Protect the device from direct sunlight (e.g. sunshades in the windows).

8.2 Saving energy

- > Choose a well ventilated location which is protected from direct sunlight.
- > Do not open the device more often than necessary.
- > Do not leave the device open for longer than necessary.
- > For optimal energy consumption, position the shelves and drawers according to their position on delivery.
- > Defrost the device as soon as a layer of ice forms.
- > Avoid unnecessarily low temperatures.
- > In regular intervals, ensure that the door seal still fits properly.
- > In regular intervals, clean dust and dirt from the condenser.

8.3 Switching on



CAUTION! Health hazard

- > Do not store medicines and medicinal products before the cooling capacity range has been reached.

1. Connect the device to an AC power supply (Connecting the refrigerator on page 10).
2. Wait until the cooling capacity range is reached (2 °C ... 8 °C).
3. Press and hold the  button for 5 s.
Resetting the thermometer prevents wrong minimum and maximum temperature values.

8.4 Using the display backlight



NOTICE! Risk of data loss

- > If the reset button is pressed and held down for ≥ 5 s, the stored temperature

values are reset (Resetting stored temperature values on page 11).

The display of the control panel has a blue backlight which makes the temperature values easier to read.

- > Press the  button briefly.
- ✓ The display lights up for 2 s.

8.5 Resetting stored temperature values



NOTE The displayed temperature unit cannot be changed.

The device stores and displays the minimum and maximum temperatures measured inside the device.

- > Press and hold the  button for 5 s to reset the stored values.

8.6 Replacing the battery

 **Fig. 5 on page 5**

1. If present, remove the key from the lock ( Fig. 5, A, 1).
2. Remove the key escutcheon using 2 slotted screwdrivers.
3. Remove the screws from the front panel ( Fig. 5, A, 2).
4. Remove the front panel by pushing it upwards and pulling slightly ( Fig. 5, B, 3).
5. Replace the old battery with a new one ( Fig. 5, C, 4).



NOTICE! Damage hazard

- > Use a CR1632 battery.
- > Ensure that the polarity is correct (the positive pole is facing up).

6. Reattach the front panel by performing the steps 1–4 in reverse order.

8.7 Removing and inserting the drawers

1. Remove the drawers as shown:

 **Fig. 6 on page 6**

2. Insert the drawers by performing the sequence in reverse order ( Fig. 6).

8.8 Switching off and storing

If the device is not intended to be used for a prolonged period of time, switch it off as follows:

1. Disconnect the device from the power supply.
2. If necessary, defrost the device (Defrosting the refrigerator on page 11).
3. Clean the device (Cleaning and maintenance on page 11).
4. Leave the device door slightly open to prevent odors from building up.

9 Cleaning and maintenance



WARNING! Electrocuting hazard

- > Always disconnect the refrigerator from the mains before you clean and service it.



NOTICE! Damage hazard

- > Do not use abrasive cleaning agents or hard objects during cleaning as these can damage the device.
- > Never use hard or sharp tools to remove ice or to free objects frozen onto the device.
- > Do not use any mechanical tools or any other tools to speed up the defrosting process.
- > Ensure that no water drips into the seals. This can damage the electronics.

- > Clean the refrigerator regularly and as soon as it becomes dirty with a damp cloth.
- > Wipe the refrigerator dry with a cloth after cleaning.
- > Check the condensate drain regularly.

Clean the condensate drain when necessary. If it is blocked, the condensate collects on the bottom of the refrigerator.

- > Clean the door seals in regular intervals.

9.1 Defrosting the refrigerator



WARNING! Electrocuting hazard

- > Always disconnect the refrigerator from the mains before you clean and service it.



NOTICE! Damage hazard

- > Do not use any mechanical tools or any other tools to speed up the defrosting process.

The device is frost free.

Over time, humidity can cause some frost to form on the evaporator.

The condensate flows out through a water drain duct into a water container at the back of the refrigerator at top of the compressor, where it evaporates.

It is recommended to check the device for frost formation on the evaporator every 3–4 weeks and defrost it if necessary.

1. Disconnect the device from the power supply.
2. Remove all refrigerated goods from the device.
3. Remove all drawers from the device (Removing and inserting the drawers on page 11).
4. Leave the device door open for about 4 ... 8 h or until the frost has fully thawed.
5. Wipe out the interior of the device with a clean, damp cloth.
6. Insert the drawers into the device.

10 Troubleshooting

Problem	Possible cause	Suggested remedy
Water is leaking into the inside of the refrigerator.	The condensate drain duct is clogged.	Clean the drain.
	Medicines are preventing the water from flowing to the collector.	Make sure that medicines do not touch the rear wall.
Water is leaking onto the floor.	There is too much water in the water container.	Clean the water container.
The display flashes and alternately shows the current temperature and E1 .	The temperature sensor has failed. The minimum and maximum values are displayed as the last measured values.	Have the temperature sensor replaced by an authorized service agent.
The display flashes and alternately shows the current temperature and E2 .	The battery inside the control panel is low.	Replace the battery (Replacing the battery on page 11).

11 Disposal



NOTICE! Damage hazard

- > The insulation of the cooling device contains flammable cyclopentane and requires special disposal procedures. Deliver the cooling device at the end of its life-cycle to an appropriate recycling center.



Recycling packaging material: Place the packaging material in the appropriate recycling waste bins wherever possible.



The crossed-out wheeled bin indicates that the product is electrical or electronic equipment and must be collected separately for proper treatment, recovery, and recycling.

The consumer is legally obliged to dispose of properly any electrical or electronic equipment, light sources separately from general household waste!

This separation is necessary, as light sources and electrical appliances are valuable resources and may contain substances that are harmful to humans and the environment.

To finally dispose of the product, ask your local recycling center or specialist dealer for details about how to do this in accordance with the applicable disposal regulations.

The product can be disposed free of charge.

Remove any light sources before recycling this product.

12 Warranty

The statutory warranty period applies. If the product is defective, please contact the manufacturer's branch in your country (see dometic.com/dealer) or your retailer.

For repair and warranty processing, please include the following documents when you send in the device:

- A copy of the receipt with purchasing date
- A reason for the claim or description of the fault

Note that self-repair or nonprofessional repair can have safety consequences and might void the warranty.

13 Technical data

 **Fig. 7** on page 6

Specification	HC302
Gross volume	33 L
Storage volume	22 L
Connection voltage	230 V~
Energy consumption	0.42 kWh/24h
Power consumption	70 W
Rated current	0.65 A
Cooling capacity	2 ... 8 °C
Climate class	SN
Intended ambient temperature use	10 ... 32 °C
Hold over time (2 °C to 10 °C) at 25 °C	2 h
Refrigerant	R600a
Refrigerant quantity	15 g
CO ₂ equivalent	0.045 t
Global warming potential (GWP)	0
Dimensions	 Fig. 7
Weight	22 kg
Inspection/certification	 



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