



miniBar[®]

RH 430LD

RH 430LG

RH 440LD

RH 440LG

RH 460LD

RH 460LG



Operating Instructions

GB



Please read these operating instructions carefully before putting the refrigeration unit into operation. If you later sell or dispose of it, please ensure that the new owner receives these operating instructions.

Please follow the installation details below carefully. Guarantee is valid for products installed as described only. (See chapter 4.1)

Thank you for choosing our appliance. We are sure it will provide you with trouble-free use.

In the following, we would like to familiarise you with some symbols, which we bring to your attention to ensure the safe and efficient operation of the appliance:



source of danger, in event of improper operation



suggested useful tips to read



information concerning environmental protection



Attention!

- This product is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the product.
- Any electrical work required to install this appliance should be carried out by a qualified electrician.
- This product should be serviced by an authorised Service Engineer, and only genuine spare parts should be used.
- It is dangerous to alter the specifications or modify this product in any way.
- Care must be taken to ensure that the appliance does not stand on the electrical supply cable.
- There are working parts in this product which heat up. Always ensure that there is adequate ventilation as a failure to do this will result in component failure and possible content loss. See installation instructions.
- Parts which heat up should not be exposed. Wherever possible the back of the product should be close to a wall but leaving the required distance for ventilation as stated in the installation instructions.
- Before defrosting, cleaning or maintenance work is carried out, be sure to switch off the appliance and unplug it.
- **DO NOT USE SHARP INSTRUMENTS** to scrape off frost or ice. Under no circumstances should solid ice be forced off the cooling fins. Solid ice should be allowed to thaw when defrosting the appliance. See defrost instructions.
- This appliance is heavy. Care should be taken when moving it.
- Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or more serious malfunctioning. Refer to your local Service Centre and always insist on genuine spare parts.
- In this appliance the storage of any toxic or explosive substance is forbidden!

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Attention!

Warranty arrangements are in accordance with EC Directive 44/1999/CE and the normal conditions applicable in the country concerned.

For warranty or other servicing, such as spare-parts, please contact our Dometic Service Network.

The warranty does not cover any damage due to improper use.

The warranty does not cover any modifications to the appliance or the use of non-original Dometic spare-parts.

The warranty does not apply if the installing and operating instructions are not adhered to.

When contacting Dometic Service Network, please state the model, product number and serial number. You will find this information on the data plate inside of the refrigerator.

1. Unpacking

After removal from the cardboard packaging, make sure the appliance is not damaged. If you find damage to the appliance resulting from transport, report it immediately to the transportation firm.

2. View of the appliance

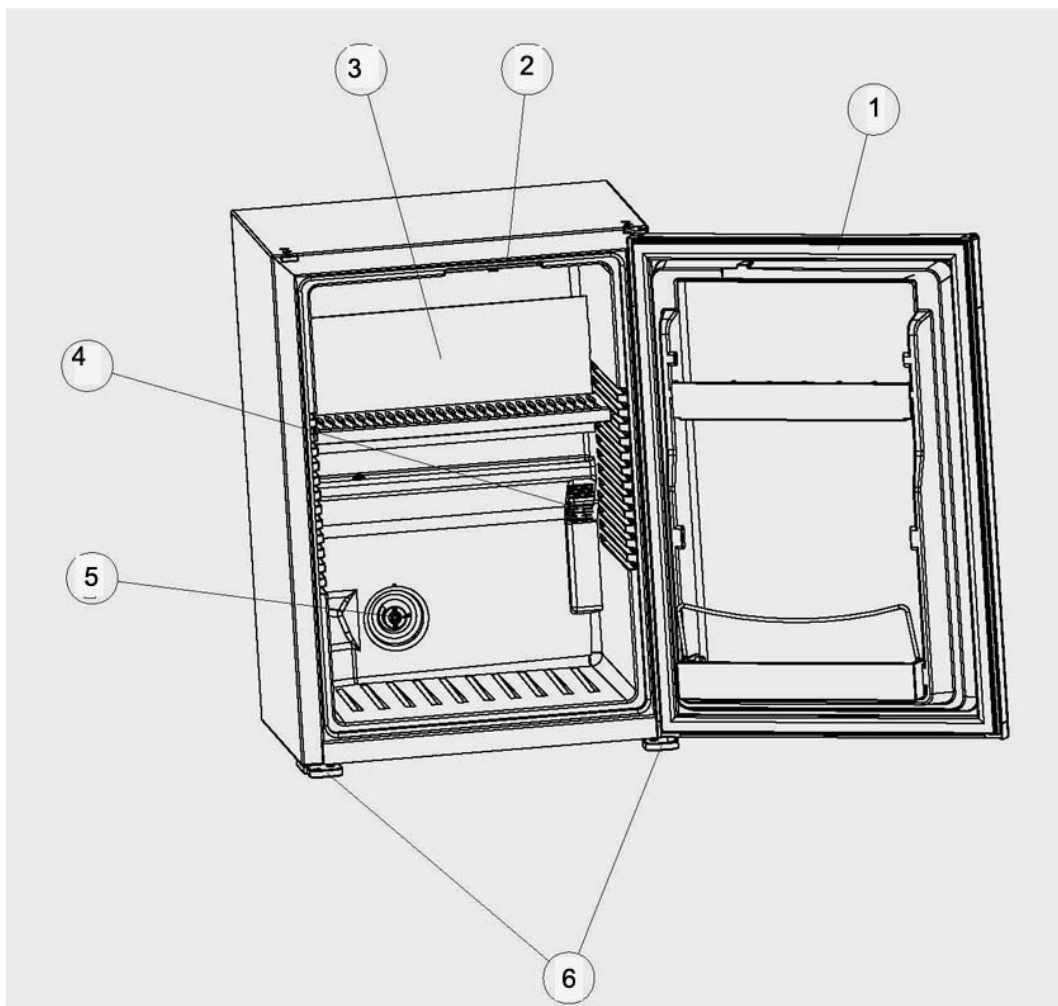


Fig.1

- | | |
|---------------|--------------------|
| 1. Door | 5. Thermostat knob |
| 2. Lamp | 6. Fixing foot |
| 3. Evaporator | |
| 4. Sensor | |

IN CASE IF YOUR REFRIGERATOR IS EQUIPPED WITH LOCK, DOMETIC DO NOT ACCEPT LIABILITY FOR LOSS OR DAMAGE OF KEYS. HOWEVER WE WOULD BE HAPPY TO SUPPLY A COMPLETE LOCK AND KEY REPLACEMENT.

3. Cleaning

i Clean the refrigerator thoroughly at intervals, as necessary. Remove the shelves; these, the cabinet interior and the door should be washed with a warm solution of sodium bi-carbonate. Finally wipe over with a cloth rinsed in warm water only, and dry with a clean cloth. Do not wash any plastic parts in water that is more than hand warm, and do not expose them to dry heat. The outside of the cabinet should be wiped down regularly with a clean, damp cloth.
NEVER USE STRONG CHEMICALS OR ABRASIVE CLEANING MATERIALS ON ANY PART OF THE CABINET.

4. Positioning the appliance

When first using this refrigerator please consider the following points:

- ENSURE REFRIGERATOR IS LEVEL
- THE PIPEWORK AT THE BACK GETS HOT IN USE
- THE REFRIGERATOR HAS NO 'MOTOR' AND IS THEREFORE VIRTUALLY SILENT
- ALLOW AT LEAST 3 HRS. FOR SIGNS OF COOLING

i During the refrigeration process, the appliance gives off heat from the condenser (under the upper part of the rear cover) into the surrounding air. The more ventilated the condenser is, the more effective the refrigeration will be.

- The other condition for satisfactory operation is that the appliance stands on a flat surface. This is best seen by placing a glass of water on top of the appliance.
- It is important that the appliance is not directly exposed to radiated heat (sunlight, radiator, near an oven, etc.).

4.1. Installation instructions

The refrigerator is equipped with an electrically heated absorption cooling unit which is virtually silent in operation. The fridge is designed for free-standing installation, but can be built-in if the following conditions are complied with to ensure satisfactory operation and maximum cooling efficiency.



IMPORTANT

Please follow the installation details below carefully. Guarantee is valid for products installed as described only.

1. The refrigerator must be level both directions
2. There should be 20 mm clearance to the wall
3. Ventilation must be provided as shown in alternatives A, B, C or D (fig 2-3)
4. The ventilation duct must at least measure 105 mm x the width of the refrigerator
5. Only the entire cooling unit must project into the duct as shown
6. Air passing through the duct must not be preheated by any source of heat

7. Ventilation grills, if used, must have openings of at least 200cm² each

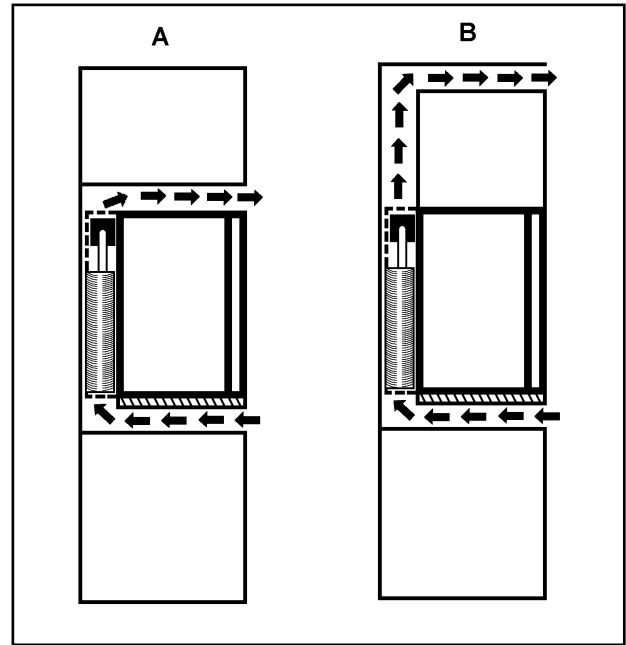


Figure 2.

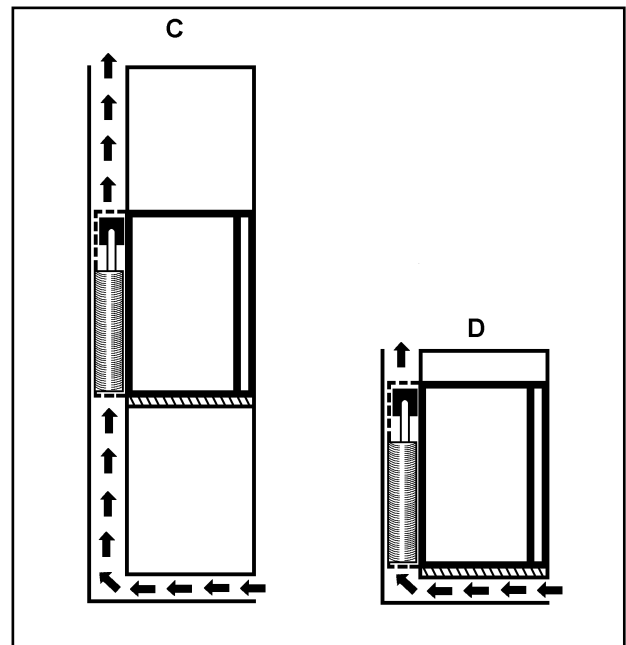


Figure 3.

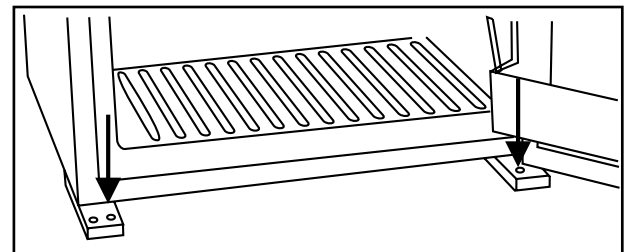


Figure 4.

The refrigerator can be fixed to the bottom of the furniture through its fixing feet using screws of an appropriate length. (Fig. 4)

During installation, please ensure the mains plug is accessible at all times.

5. Using the appliance

To start the refrigerator, connect the plug to the socket outlet and switch on the socket. The cooling fins should show signs of cooling after about 3 hours.

The refrigerator needs about 6 hours at normal ambient temperature to reach 6 °C in the storage compartment.

5.1. Temperature regulation

You can set a temperature between max. and min. by rotating the knob (Fig.5).

Turn to max. will produce a colder temperature and higher energy consumption and turn to min. will produce a warmer temperature and lower energy consumption.

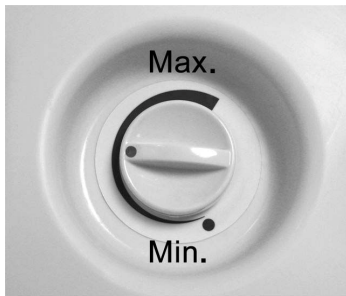


Fig.5

i 5.2. Energy saving tips

- Choose a well ventilated installation location which is protected against direct sunlight.
- Allow warm food to cool down first before placing it in the device to keep cool.
- Do not open the cooling device more often than necessary.
- Do not leave the door open for longer than necessary.
- If you want to set an increased energy efficiency and a limited cooling capacity for the cooler unit, turn the knob to min..

6. Cooling Unit Control (CUC)

The electronics carry out a CUC test after every defrosting period (every 24 hrs) by measuring the temperature at the evaporator by means of a second sensor.

If the electronics detect a malfunction, the miniBar is automatically switched off .

i Thermo fuse

One version of minibar has no CUC function but a thermo fuse on the back to protect the cooling unit against over heating.

i 7. Useful suggestion

Do not overfill the appliance. It is advisable to leave some space between the products in the cabinet to ensure efficient and even cooling. If the shelves are packed too tightly there may be unacceptable temperature variations.

! 8. Defrosting, cleaning and maintenance

Frost will gradually form on the cooling surfaces.

This frost-formation is kept back by the FUZZY LOGIC system built into the appliance by switching off the unit for two hours in every 24 hours. The frost will melt and the defrost water will run through the drain tube from the drip channel into an evaporating vessel located at the bottom rear of the refrigerator. (Fig.6) The defrost water will evaporate automatically into the circulating air and the vessel will not need emptying manually.

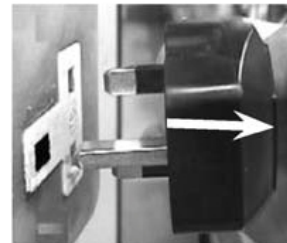
If you want to switch off the unit, disconnect the refrigerator from the electricity supply and leave the cabinet door open. After defrosting the cabinet interior should be wiped out with a clean, damp cloth.



Figure 6.

9. Changing the lightbulb (If available)

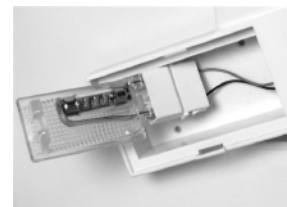
If the lightbulb needs changing, proceed as follows:



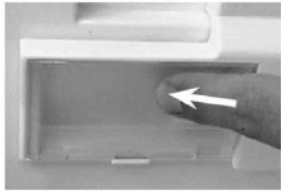
1. Pull the plug out of the power socket.



2. Remove the light cover and unscrew down the light case.



3. Take the bracket out of the case and replace the bulb with a new one that has the same rating



4. Re-assemble the case in the reverse order.
A new 10-watt bulb can be obtained at Dometic.

10. Reversing the door hang, (Fig.7)

Lay the appliance on its back. Remove the 8 screws (1). Remove the door, together with the two hinges (2), from the housing.

Remove the two cover caps (3) from the housing and place them in the open hinge holes in the housing. Place the bottom righthand hinge in the top left of the door and the top righthand hinge in the bottom left of the door and hang the door on its hinges in the open cover cap holes in the housing. Secure the hinges and cover caps with the 8 screws.

Check that the door closes easily and is sealed properly.

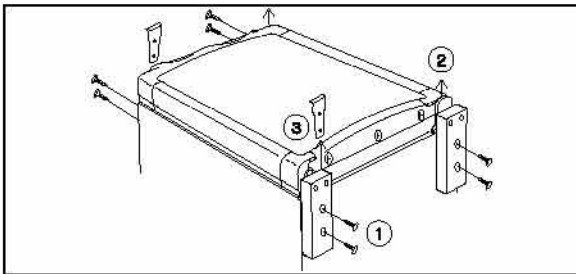
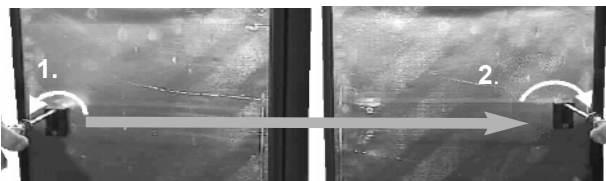


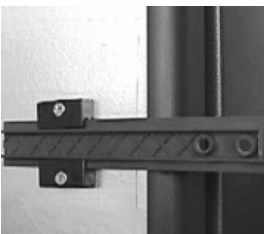
Figure 7.

11. Changing the Sliding Hinge



1.

2.



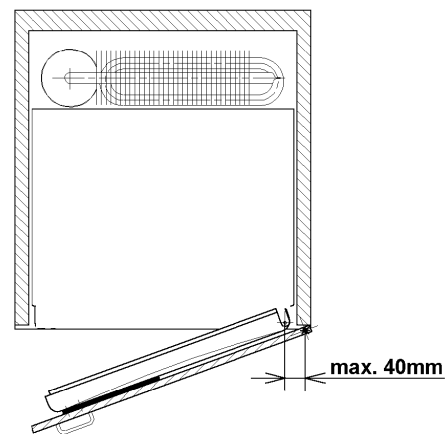
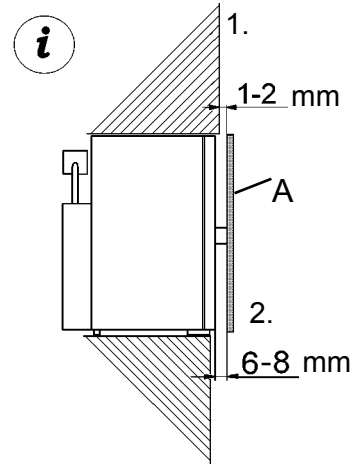
3.



4.

The length of the hinge stretching out of the refrigerator door must be 80mm.

Distance to cupboard door (A)



1. When closed, the cupboard door (A) must not lie against the rest of the surrounding cupboard area (distance 1-2mm).

2. There must be a distance of 6-8mm between the cupboard door and the miniBar.

12. Replacing the decorative door panel, (Fig. 8-10)

Remove the two screws (1) from the upper hinge of the door.

Pull the door together with the hinge away from the housing and up off the lower hinge bolt (2-3).

Remove screws (4) and pull off the frame edge (5).

Slide the decorative panel (6) out of the door frame and insert the new panel (7), so that the upper edge of the panel runs exactly parallel to the upper edge of the frame. A new panel can be inserted more easily into the upper edge of the frame when the two corners are cut off by approx. 5× 5 mm (8). Put the frame edge (5) back in place and secure with screws.

Place the door on the lower hinge (9), slot the upper hinge into the opening, press together with the door against the housing and secure with the two screws (11).

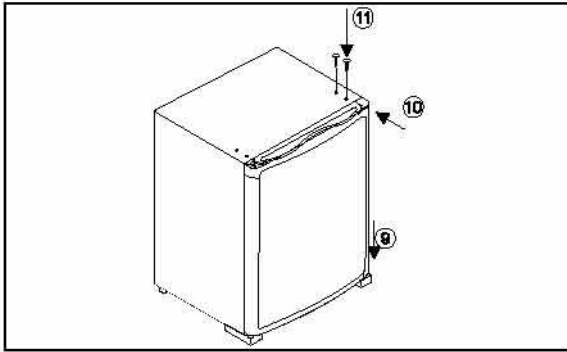


Figure 8.

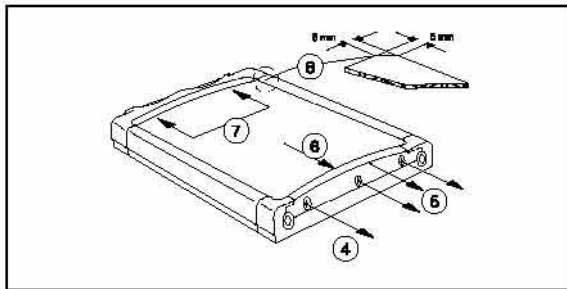


Figure 9.

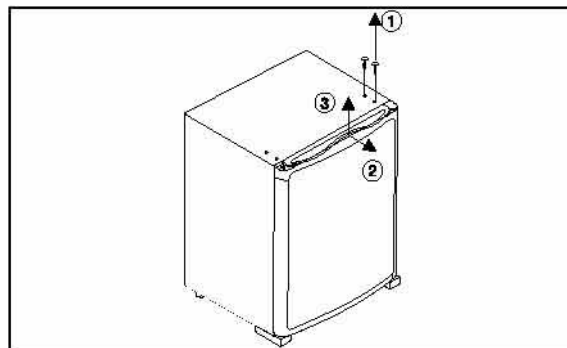


Figure 10.

13. Check list and customer service

Before you call a service engineer, carry out the tests as described in the check list:

Failure : No cooling (the cooling unit at the back of the device is cold).			
Possible Cause	Self Help	Authorised Service	
a.) The device plug is not plugged in.	a.) Plug in device plug.		
b.) No voltage in socket.	b.) Check main fuse		
c.) The electronics or the sensor is faulty.			c.) Install new electronics or sensor.
d.) The heating element is faulty			d.) Install new heating element.
e.) The device is in its defrosting phase.	e.) See operating instruction 8.		

Failure : No cooling (the cooling unit is warm).		
Possible Cause	Self Help	Authorised Service
a.) The device is not level. Leakage test ?	a.) Level the device using a spirit level.	c.) Exchange device.
b.) The device was only switched on a short while ago.	b.) Switch on the device and let it run for 5-6 hours.	
c.) Defective cooling unit.		

Failure : Poor cooling performance.		
Possible Cause	Self Help	Authorised Service
a.) The cooling unit is not sufficiently ventilated.	a.) Check that the ventilation grids are not covered. Check that device has been installed properly (installation instruction 4).	c.) Install new doorseal, if necessary.
b.) The device is exposed to direct sunlight.	b.) Follow installation instruction 4).	
c.) The fridge door does not close tightly	c.) Check installation in line 4.	
d.) The fridge was stocked a short while ago.	d.) Check fridge after 5-6 hours for proper cooling function.	

Failure : Frost formation in fridge.		
Possible Cause	Self Help	Authorised Service
a.) The fridge door does not close tightly.	a.) Check installation is in line with 4.	a.) Install new doorseal, if necessary.


If after checking all the above points, the refrigerator is still not working satisfactorily, contact your nearest service engineer. State the problem, model, product- and serial-number.

(Details of the model, product- and serialnumber are to be found on the data label in the top left of the inside compartment.)

This refrigerator is equipped with a CUC system. An authorised service technician can check whether this has been triggered or not.

In the event of a fault developing, contact your nearest Service Centre-see local telephone directory.

14. Connecting to electrical mains

 The appliance may only be operated from nominal voltage mains as shown on the data plate. The appliance mains plug may be connected to a mains socket earthed in accordance with regulations.

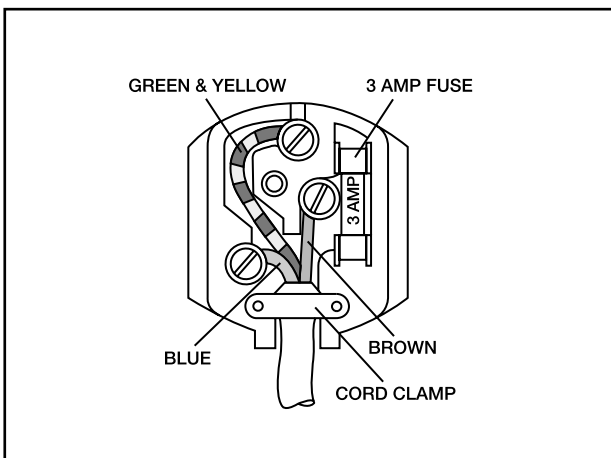
Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

The manufacturer declines any liability should these safety measures not be observed.

Electrical Requirements


Before switching on, make sure the electricity supply voltage is the same as that indicated on the appliance rating plate.

Only for UK:



The appliance is supplied with a 3 amp plug fitted. In the event of having to change the fuse in the plug supplied, a 3 amp ASTA approved (BS 1362) fuse must be used. Should the plug need to be replaced for any reason, the wires in the mains lead are coloured in accordance with the following code:

Green and Yellow: Earth
 Blue: Neutral
 Brown: Live

The wire coloured green and yellow must be connected to the terminal marked with the letter "E" or by the earth symbol  or coloured green and yellow. The wire coloured blue must be connected to the terminal marked "N" or coloured black.

The wire coloured brown must be connected to the terminal marked "L" or coloured red.

Upon completion there must be no cut, or stray strands of wire present and the cord clamp must be secure over the outer sheath.

15. Environmental protection information

The appliance does not contain any CFCs/HCFCs.

Ammonia (natural hydrogen and nitrogen compound) is used as a refrigerating agent in the refrigeration unit.

The ozone-friendly cyclopentane is activated as a motive agent for the PU foam insulation.

Sodium chromate is used for corrosion protection (less than 2 weight % of the coolant).




16. Recycling

After unpacking the appliance, the packing materials should be delivered to a local collection site. At the end of its useful lifetime, the appliance should be delivered to a specialized collection and reprocessing firm, which reclaims the usable materials. The rest is properly destroyed.

This appliance complies with the following EEC directives:

LVD-Directive 73/23/EEC with amendment 90/683/EEC
 EMC-Directive 89/336/EEC

17. Technical data

Model	RH430LD	RH430LG	RH440LD	RH440LG	RH460LD	RH460LG
Gross volume(L)	30		40		60	
Usable capacity(L)	26	27	36	37	55	56
Mains operation	220-240VAC					
Input consumption(W)	65			80		
Temperature range	3-12°C					
Category	2 (Cellar)					
Energy efficiency class	D	E	D	F	F	G
Energy consumption (kWh/annum)	260	300	275	338	372	420
Ambient temperature	+16°C - +32°C					
Climate class	N					
Refrigerant	82g NH3			101g NH3		
Noise emission (dB(A))	0					
Test/Certificates	  					

Dometic

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Subject to change without notice.