

Operating instructions

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General

- The RCCA920 is intended to be used for transport of chilled drinks. It is equipped with a DC-compressor powered by 2 rechargeable deep cycle batteries.
- The refrigeration system is placed on top of the unit with the evaporator inside the cabinet.
- Sufficient room is required around the unit to ensure adequate air circulation. Please refer to the installation information regarding this point.
- When the door is open, hot air will flow inside the cabinet and increase the temperature of the ambient air; however, this will hardly affect the core temperature of the goods inside if the door is closed rapidly. To minimise this exchange with outside ambient air, the evaporator fans are designed to stop running, when the door is open.
- It is recommended to place the drinks in original packaging.
- Store the items within the appliance so that the air can circulate around.
- During normal operation, small quantities of condensation water may flow out of the drainage hose at the back of the unit.
- The RCCA-920 complies with climate class 5 according to ISO23953-2 which means that it can be operated in an ambient temperature up to 40°C with a relative humidity of 40%. Fully functional performance however is maintained up to 45°C ambient.

Safety

- Before using the unit, read these operating instructions carefully, including all the information on safety, operation and maintenance.
- Keep these operating instructions ready readily accessible and with the appliance, so that all users understand the functions and safety regulations.
- To prevent the unit from tilting, it must never be moved on a diagonal level of more than 20°.
- Before connecting, opening and using the unit, it must be standing on a horizontal surface.
- Never lock anybody inside. Danger of suffocation!
- Pay attention to all moving parts when closing the door. Keep hands and fingers clear when operating the closing mechanism.
- Do not lift the unit manually. Use a fork lift to lift and move equipment. A fork lift can be used on all four sides of the unit.
- The unit must only be used in an upright position. It must not be used as a chest.
- All installation work and adjustments to the unit must only be carried out by qualified personnel. Work performed by persons with insufficient technical knowledge may adversely affect the performance of the unit or cause physical injury or damage to the equipment.
- The units must only be used by adults. Do not allow children to play with the units or touch the controls.
- Any maintenance as well as any repair operation are only permitted by Dometic personnel, by Dometic authorised subcontractors or if the user has been properly trained. Only genuine spare parts must be used.

- Ensure that the electrical cable is not squeezed or bent when the unit is being installed or moved.
- Electrical cable must not be left on the floor near the unit to avoid electrical shocks due to the condensation water flowing from the unit during the operation.
- Before cleaning or carrying out maintenance work, always switch the unit off and disconnect the mains plug. Always pull the plug and never the cable. If the plug is not accessible, switch off at the circuit fuse.
- Never store flammable or explosive products (eg. aerosols with flammable propellants) in the appliance.
- The unit's cooling system contains refrigerant. Both the unit and the products stored inside can be severely damaged if this system starts to leak. Make sure, therefore, that no sharp or pointed objects come into contact with the cooling system.
- Check whether the unit has been delivered undamaged. If you find that damage has occurred in transit, immediately contact the delivery service or relevant sales outlet, submitting the delivery note or proof of purchase. Do not operate a unit that has been damaged in transit! If you are unsure, contact your sales outlet and ask them.
- The unit must only be transported in an upright position and with closed door.

Environmental Protection

- Make your contribution to saving the environment. Bear in mind that orderly and proper disposal is required. Packaging materials and devices are always recyclable and should be taken for recycling.
- Before scrapping an old unit, remove the door so that children cannot lock themselves inside whilst playing.
- Before scrapping the unit, arrange for the batteries to be removed and disposed of separately.
- When disposing a unit, avoid exposing it to excessive heat, as the insulating foam was produced using a flammable gas.

Installation

- The unit must only be operated in covered places; an external use is only permitted if the unit is safely protected from rain and dust. Avoid locating it close to a heat source.
- Ensure that the unit is steady and perfectly straight.
- Good air circulation around the compressor is essential for trouble-free operation. Keep the ventilation openings of the compressor cover always free from any obstructions. Keep a distance of at least 10 cm to the wall all round the unit and at least 30 cm to the ceiling.
- Do not locate the unit below a ceiling fan or right next to air-conditioning equipment.

- After removal from the packaging, make sure the appliance is not damaged. Do not operate a damaged unit. If in doubt please call your dealer.
- Before use thoroughly clean the inside of the refrigerator (See chapter “Cleaning”) The appliance must be thoroughly dried after cleaning.

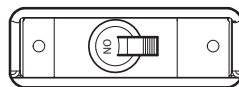
Electrical Connection

Internal Batteries

- The unit is equipped with 2 rechargeable deep cycle batteries integrated in the compressor compartment. If no external power supply is available, the unit is operated with this battery system until the integrated battery guard switches off the unit.
- The charge status of the batteries during charging process is shown by the LED on the control panel (see chapter „Operation - Charging LED“).
- The LED is switched off if no AC power supply is connected.

Circuit Breaker

- The RCCA920 is equipped with a circuit breaker (80A) in the DC-circuit for the protection of the battery circuit.
- The circuit breaker is located on the backside of the refrigerator.



Circuit Breaker

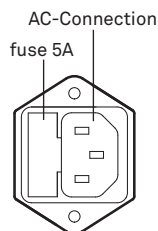
IMPORTANT !

On delivery, the circuit breaker is in „OFF“-position. Before connection to AC, make sure that the circuit breaker is switched to „ON“ position! If the circuit breaker is switched on afterwards the batteries will not charge!

- There is no need to switch the circuit breaker off at any time. Leave it in „ON“ position during normal use of the appliance.

Connection to AC / Charging the batteries

- The unit must be connected to AC power supply to charge the batteries. If the unit is switched on during charging process, the charging time of the batteries will be prolonged.
- Before connecting the unit, check whether the details on the dataplate correspond to local values.
- The connection to AC is done with the supplied removable connection cable. The socket for AC connection is located at the right side of the appliance.
- The battery LED on the control panel lights up as soon as the AC-plug is connected.
- The AC circuit is protected by a 5A-fuse located in the connection socket.

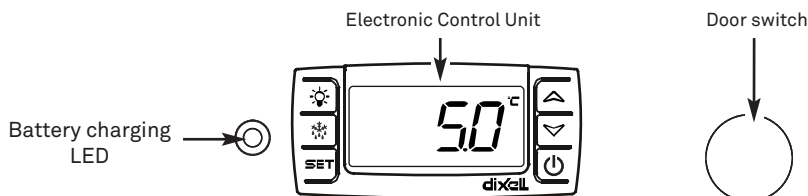


Battery Guard

- To protect the batteries from complete discharging, the RCCA920 is equipped with an integrated battery monitoring system.
- To protect the batteries, the monitoring system will switch the unit off once the battery voltage drops below the preset cut-out value. The operation starts again after the unit is connected to an external power source and the batteries are charged again. This cut-in process may take several minutes. Leave the appliance switched on during this period.
- The battery guard is protected by a 10A fuse located in the compressor compartment.

Operation

Control Panel




Charging LED

- The LED indicates the status of the battery charging process.
 - Yellow LED : charging in process
 - Green LED : charging completed
- The LED only lights up if AC is connected. The LED is off during normal operation of the unit using battery power.
- For optimal battery performance, the unit should only be disconnected from AC and put into operation, when the LED has changed to green.

Electronic Control Unit

- The electronic unit controls and regulates the set-point temperature of the unit.
- At standard conditions the instrument displays the inside temperature in °C.
- Beside this standard display, the control unit displays different symbols when relevant :
 - * Compressor is running
 - ✿ Inner fan is running
 - 🔊 Alarm situation
 - ❄️ Defrost cycle is running

Switching on

- Switch on the unit by pressing the  - button on the electronic unit.
- Shortly after switching on, the inside temperature of the unit is shown on the display.

Temperature Setpoint

- The temperature set point is the set target temperature of the appliance.
- The set temperature set point can be displayed by briefly pressing the “SET” button on the electronic unit. After 5 seconds the display switches back to the normal temperature display.
- The factory set temperature is +3°C.
- Any change of the setpoint temperature or any other parameter would have an important influence on the proper functioning of the appliance and therefore can only be done by a service technician.


Door Switch

- The integrated door switch detects any opening of the door.
- During door opening the internal fan will be switched off, to avoid warm outside air being sucked into the refrigerator.
- An excessive door opening time will trigger a door alarm.

Alarms


- When an alarm situation occurs, attempts must be made to find the cause of the alarm and rectify it as soon as possible. If unable to do so, the necessary measures must be taken immediately so that the goods stored are not damaged.

Temperature Alarm

- If the inside temperature of the appliance goes above or below the set alarm values, both an acoustic and an optical alarm is triggered by the electronics.
- The optical alarm consists of :
 - 1.) the alarm symbol  being shown on the display and
 - 2.) the inside temperature of the appliance and the alarm message “HA” in case of warm alarm or “LA” in case of cold alarm displayed alternately.
- The display switches back to the normal temperature display once the alarm situation is over.
- The acoustic alarm can be muted for 30 minutes by pressing any button on the electronics. If the alarm situation has not been rectified by the end of this period, the acoustic alarm is activated again.

- After switching on the appliance the temperature alarm function is disabled for the first 3 hours after switching on.
- The temperature alarm limits are absolute alarm limits i.e. if the temperature set point is adjusted, the temperature limits will not change.
- The factory settings of the temperatures are :
 - High temperature alarm: 6° C
 - Low temperature alarm: 0° C

Door Alarm

- If the appliance door stays open for longer than the preset time, the electronics generate a door alarm.
- During this alarm phase, an acoustic signal sounds, the alarm LED  comes on and the error message “dA” is shown on the display.
- The acoustic alarm can be muted by pressing any button on the electronics for 30 minutes. If the alarm situation has not been rectified by the end of this period, the acoustic alarm is activated again.
- The alarm is automatically cancelled when the door is closed.


Alarm in the Event of Sensor Failure

- If the temperature sensor fails or is defective, a sensor alarm is generated by the electronics:
- The display shows the error message “P1”. As the control sensor is no longer working, the appliance is regulated by a preprogrammed ON-OFF mode.
- Together with the error message on the display, an acoustic alarm sounds. This acoustic alarm can be muted by pressing any button on the electronics for 30 minutes. If the alarm situation has not been rectified by the end of this period, the acoustic alarm is activated again.

Temperature history

- The electronics save the highest and lowest temperatures measured. These values can be displayed at any time.
- Highest value saved: Press \triangle button - “Hi” appears on the display followed by the highest temperature measured.
- Lowest value saved: Press ∇ button - “Lo” appears on the display followed by the lowest temperature measured.
- To delete a memorised value : Press and hold the “SET”key for a few seconds while displaying the highest or lowest value. A message “rSt” is displayed and the saved value is deleted.
- When restarting the unit, the Hi- and Lo-values are reset.


Fan

- The RCCA-920 is equipped with internal ventilation. For optimal air circulation inside, it is important that the interior fan is always functional.
- To prevent warm outside air being sucked in unnecessarily when the door is open, the fan switches off when the door is opened.
- The airflow to the fan must never be impeded. The ventilation slots must therefore never be blocked or covered.
- The fan symbol  is displayed as soon as the fan is running.

Door lock

- The door of the appliance is equipped with a magnetic door gasket. For transport purposes, the door must be firmly locked with the locking lever.
- The door locking system is designed in such a way, that no person can accidentally be locked inside. The door can be opened from inside by means of the inside lever.

Automatic Defrosting

- The unit is equipped with automatic defrosting. After specified run time, the compressor is switched off until the temperature reaches a predefined value. If this temperature is not achieved after a certain timeout, the appliance is switched on again.
- During a defrosting process the defrosting symbol  is shown in the display.
- The defrost water is evacuated through the drainage tube at the rear of the appliance.

Cleaning

- The equipment should be cleaned inside and outside before first time use and at regular intervals thereafter.
- Only use neutral (food-safe) cleaning agents. Never use aggressive or caustic cleaning agents, scouring powder, steel wool, abrasive sponges or chemical solvents. When cleaning, make sure that no fluids of any kind run into the ventilation housing. After cleaning the unit must be completely dried.
- Remove any food leakage immediately.
- The use of a high pressure cleaner and/or a steam jet is strictly forbidden.
- Clean the unit and leave the door slightly opened before any long term storage unplugged.
- If the appliance needs to be disinfected, we recommend to use any commonly used disinfecting agents.

Maintenance

- Operators and/or service personnel should observe and report damage or defective parts on the equipment immediately, so that in appropriate period a repair or an exchange of a defective part is possible. Thus damages at equipment and on the load can be avoided.
- To assure the safety and reliability of the appliance, any repair and maintenance work must only be done by an certified dealer or customer centre with exclusive use of original spare parts.
- When replacing the batteries, it must be ensured that they are replaced by batteries of the same type : AGM-type, deep cycle, min. 100 Ah.

Address for service

Regular Service

Coca-Cola Amatil
40 Mount Street
North Sydney
NSW 2060
Phone: 132653

Further Assistance

Dometic Australia
Phone: 1800 21 21 21

Technical Data

Designation

RCCA-920

External Dimensions WxDxH :

1170 x 1170 x 1805 mm

Voltage :

220 - 240 V

Frequency :

50 - 60 Hz

Current :

2.7 A

Power :

580 W

Battery :

2 pcs. 12V 107Ah

Autonomy on battery use (fully charged) :

min. 8 hours

Tare Weight :

255 kg

Maximum Load :

600 kg

Gross Volume :

918 L