



PRODUCT DOCUMENT PACK

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PRODUCT

Bromic 3736308-NR FD4T0900C-NR Cake Display – 900mm, 4 Tier, 417L

Model / SKU: 3736308-NR

KW COMMERCIAL KITCHEN

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INSTRUCTION MANUAL COLD FOOD DISPLAYS

3736308-NR, 3736309-NR, 3736310-NR,
3736311-NR, 3736313-NR



CONTENTS

1. PREFIX	4
2. IMPORTANT NOTES & WARNINGS	5
3. PRODUCT OVERVIEW	6
4. INSTALLATION	7
5. OPERATION	9
6. PRODUCT LOADING AND STORAGE	10
7. TROUBLESHOOTING	12
8. OPTIONAL ACCESSORIES	13
9. ENVIRONMENTAL & DISPOSAL NOTES	14
10. WARRANTY	15

Note: Bromic Refrigeration reserves the right to make changes to specifications, parts, components and equipment without prior notification.
This Installation, operation and service manual may not be reproduced in any form with prior written consent from Bromic Refrigeration.

1. PREFIX

This manual contains important information about the installation, operation, and maintenance of Bromic Food Display units. Please pay close attention to the important safety information shown throughout this instruction manual. Any safety information will be accompanied by the following safety alert symbols:

 DANGER,  WARNING,  IMPORTANT

- READ THIS MANUAL CAREFULLY before installing or servicing this product.
- Improper installation, operation, or maintenance can result in death, severe injury, or property damage.
- Improper installation, operation, or maintenance may also result in warranty being voided.
- This appliance is intended for 230-240 Volt power supply.
- Installation MUST be carried out by a licensed and authorised technician in accordance with local electrical codes.

2. IMPORTANT NOTES AND WARNINGS

- Read all instructions before installing or using this appliance
- Retain this manual for future reference
- Use this appliance only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury.
- Improper installation, adjustment or alteration and failure to follow the warnings and instructions in this manual could result in severe personal injury, death or property damage
- The manufacturer is not responsible for any damage that could happen from improper use. The manufacturer emphasises that this appliance should be used in a responsible manner and that all procedures, warnings, and safety instructions contained in this booklet be followed strictly.
- Check the appliance for damage. Do not operate a damaged unit.
- Check for damage to the appliance regularly. If damage to the appliance is suspected, discontinue use immediately and contact the supplier or qualified person to repair.
- This appliance is not intended for use by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible of their safety.
- Keep packaging material out reach of children
- Children should be carefully supervised to ensure that they do not play with the appliance
- Do not attempt to alter the appliance in any manner.
- Please pay attention to the maximum load limit when filling the shelves.
- All work on electrical equipment must be carried out by a qualified and licensed technician only.
- Do not perform maintenance until the appliance has been turned off and power disconnected.
- Never detach any cover except where specifically instructed in this manual. Doing so might expose live electrical parts.
- Do not operate the appliance with panels, covers or guards removed.
- Keep the air intake and outlets free of obstructions.
- Do not use the appliance outdoors.
- If the supply cord becomes damaged, it must be replaced by an authorised service agent or similarly qualified person in order to avoid a hazard.
- If the appliance has not been used, or will not be used for a long period of time, disconnect power supply.
- The appliance must be installed in accordance to AS1677.2:1998 to ensure there are no sources of ignition any area where refrigerant could gather in the event of a leak.
- Electrical equipment should not be placed under the unit or where refrigerant could gather in the event of a leak.
- Installation/servicing of the appliance must be performed by a licensed technician with Gas Work Authorization if the appliance gas system is being opened or charged.
- The refrigerant used in this appliance is flammable.



**Caution
Risk of fire**

3. PRODUCT OVERVIEW

		FD4T0660C-NR	FD4T0900C-NR	FD4T1200C-NR	FD4T1500C-NR	FD4T1800C-NR
Part Number		3736313-NR	3736308-NR	3736309-NR	3736310-NR	3736311-NR
External Dimension	Height, mm	1360	1360	1360	1360	1360
	Width, mm	660	900	1200	1500	1800
	Depth, mm	740	740	740	740	740
Capacity	Litres	300	350	470	580	700
Weight	Kg	195	230	282	319	344
Net Volume	Litres	300	417	542	686	830
Air Circulation	Type	Forced	Forced	Forced	Forced	Forced
Climate Class	Rating	4M1	4M1	4M1	4M1	4M1
Temperature	Range	1°C to 5°C	1°C to 5°C	1°C to 5°C	1°C to 5°C	1°C to 5°C
	Type	Digital	Digital	Digital	Digital	Digital
Exterior	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Interior	Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Electrical	Voltage, V	240	240	240	240	240
	Frequency, Hz	240	240	50	50	50
	Current, A	3.0	4.4	4.5	5.4	6.5
	Power, W	540	700	1000	1220	1360
Power Consumption	kWh/24h	9.4	12.5	14.87	18.63	21.23
Internal Light	Type	LED	LED	LED	LED	LED
	Colour Temperature	Day Light, 6500K	Day Light, 6500K	Day Light, 6500K	Day Light, 6500K	Day Light, 6500K
Door	Solid/Glass	Glass	Glass	Glass	Glass	Glass
	Type	Hinged	Sliding	Sliding	Sliding	Sliding
	Self-Closing	No	No	No	No	No
	Door Lock	No	No	No	No	No
Shelves	Qty	3+base	3+base	3+base	3+base	3+base
	Adjustable	Height&angle	Height&angle	Height&angle	Height&angle	Height&angle
Refrigeration	Refrigerant	R290	R290	R290	R290	R290
Plug	Supplied	1 x 10A	1 x 10A	1 x 10A	1 x 10A	1 x 10A
Wheels	Type	Castors	Castors	Castors	Castors	Castors
	Quantity	4	4	4	4	4

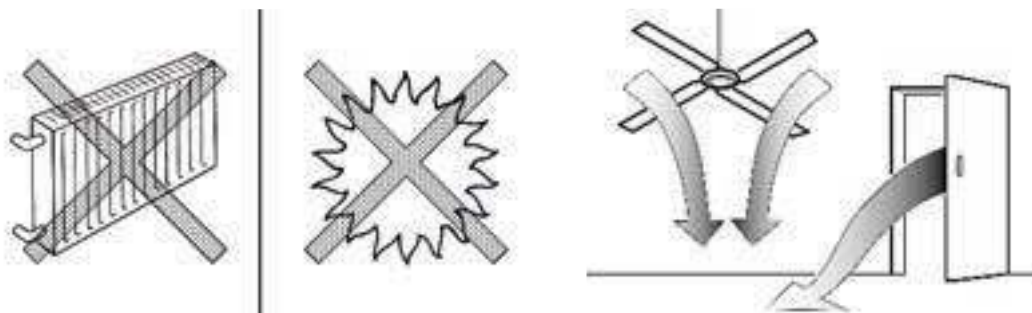
*Optional accessories product overview data can be found under the “Optional Accessories” section on page 13.

4. INSTALLATION

Locating the Cabinet

Ensure the following instructions are observed as this is vital for proper and trouble-free operation.

- Do not install the cabinet outdoors.
- Locate the appliance in a dry and well ventilated place.
- The unit must be positioned on a level surface.
- Do not install in the vicinity of heating radiators or other heat sources.
- Do not install the appliance where it is exposed to direct sunlight.
- Do not install the appliance where it is exposed to warm draughts or open doors.
- Keep the air intake and outlets free of obstructions.
- Adequate allowance should be made for door openings.



Ventilation

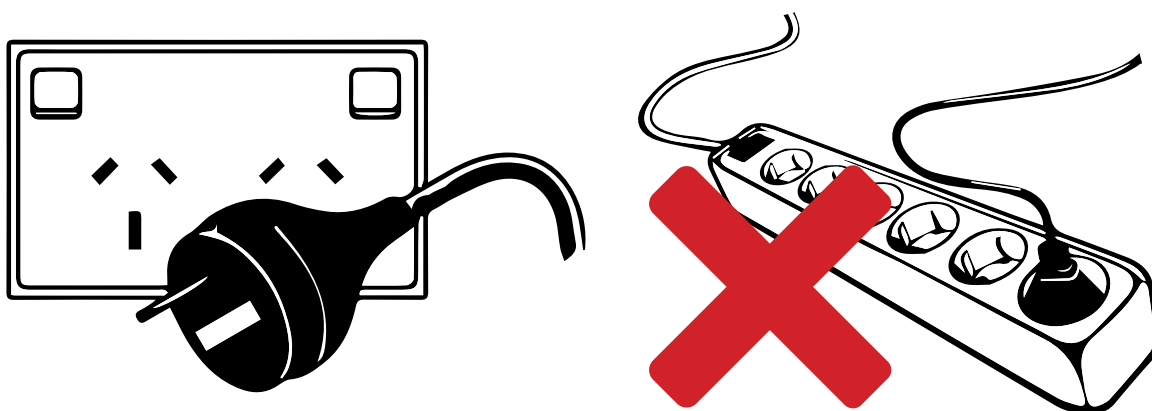
- Allow 150mm clearance between walls and the appliance.
- Ensure that the condenser fan is free to take in ambient air from the room.
- Adherence to minimum clearances is necessary



NOTE: The maximum ambient temperature for the refrigerator is 30°C. Conditions outside this temperature will result in cabinet temperatures outside the required 2 to 8°C range. Bromic recommends that the refrigerator is installed at an ambient temperature of 20 to 25°C.

Power Supply

- The appliance must not be plugged into a multiple outlet power board.
- The appliance is supplied with a flexible power cord fitted with a 3-pin plug.
- The socket used must be properly earthed and fuse/RCD protected.
- See the rating label inside the cabinet for supply voltage, frequency and current draw.
- Power cable is rated 70°C. It is recommended that the cable should not come into contact with parts over 50°C.
- Do not turn off power before consulting the person responsible.
- Mark the power source clearly, so the refrigerator is not unplugged or turned off accidentally.



Before Operating

- If the appliance has been sharply tilted or transported in the horizontal position, it must be left to stand in the upright position and not plugged in for at least 4 hours.
- Remove all the packaging material before using the appliance.
- Start the appliance only if it has been installed as described.

5. OPERATION

Start-up

- Connect the appliance to the mains power supply and turn on the main switch (blue) by flipping it upward. Note that some models do not have the main switch (blue). In that case, simply proceed to the next instruction.
- The switches (image below) control cabinet cooling, glass heating, and lighting respectively. All switches should be flipped on for standard cabinet operation.
- Check that the electronic controller, lighting, and fans are operating correctly.
- The compressor and condenser fan should operate within 3 minutes after the Refrigeration switch is turned on.
- The electronic controller will display the current cabinet temperature after the Refrigeration switch is turned on.
- The ❄️ LED indicates that refrigeration circuit is operating.
- During the start-up delay (3 minutes), the ❄️ LED is flashing
- The 🌡️ LED indicates that the refrigeration circuit is defrosting

Switches



Setting the temperature



- Press the **SET** button for more than 3 seconds.
- The value of the set point will be displayed and the "°C" or "°F" LED starts blinking.
- Press ▲ or ▼ arrow key within 10 seconds to adjust the set point.
- Press the **SET** key again or wait 10 seconds.

6. PRODUCT LOADING AND STORAGE



IMPORTANT: Run the refrigerator for at least 2 hours before loading.



WARNING: : Do not store explosive substances such as aerosol cans with a flammable propellant inside the appliance.

Start-up

- Clean the interior surface with a soft cloth and warm water before loading.
- Ensure there is free circulation of air between the products.
- Do not block the evaporator fan.
- Do not overstock the refrigerator.
- Keep refrigerator door openings to a minimum.
- Some products are sensitive to ultraviolet (UV) light, please see storage guidelines from the manufacturer before removing from packaging.
- Maximum recommended shelf load (for each shelf) is specified in section 3 (page 5) of this manual. Do not overstock.

NOTE: Bromic cannot be responsible for loss of stock or damage to stock.

7. MAINTENANCE



WARNING: Disconnect the appliance from the power supply before performing any maintenance. Never unplug the appliance by pulling on the cord. Always grasp the plug firmly and pull straight out of the outlet.



WARNING: Exposure to significant water ingress will void warranty and cause potential safety issues. If the unit should be exposed to water, please contact the manufacturer immediately.

IMPORTANT: Warranty may be void if there is no evidence of preventative maintenance is performed on the appliance.

Cleaning the Cabinet

- Remove the products and transfer to a suitable location prior to cleaning the inside of the cabinet.
- Do not use any aggressive or abrasive cleaning agents.
- Never use a water hose or a high-pressure jet to clean.
- Do not use sharp or pointed objects for cleaning.
- Clean the inside and outside of the appliance with a clean damp cloth or with a neutral cleanser.
- Dry all surfaces with a dry cloth.

Condenser Coil/Filter



IMPORTANT: The filter and the condenser coil must be cleaned once a month. The filter can be removed for cleaning with water, make sure it is dried before reattaching. The condenser coil must be cleaned with vacuum/brush monthly to maintain the performance and minimise power consumption. A poorly maintained condenser coil can lead to failure of the unit and higher cabinet temperatures.



Lighting

- The Food Display Cabinet is fitted with three LED lights.

Step by step guide for changing LED light fixture in the Food Display unit

Here are the steps you need to take to start saving with the installation of LED light fixture.

- Turn off the power: Before starting the process, make sure to turn off the power supply to the display unit. This will prevent any electrical accidents from occurring.
- Locate the LED light: The LED light will typically be located on the underside of the display shelf bracket. This is snapped in position by a clip.
- Remove the old LED light: unplug the old LED from both ends. LED light is held in place by a clip as shown above. Remove the LED light from the clip.
- Check the specifications: Make sure to check the specifications of the LED light you are removing to ensure you replace it with the correct type of LED light.
- Install the new LED light into the clip: Once you have the correct replacement LED light. Make sure it is securely in place. Plug the LED on both ends.
- Test the new LED light: Once the new LED light is installed, turn on the power supply to the display unit and test the new LED light to ensure it is functioning properly.



LED Light Fixture

8. TROUBLESHOOTING



IMPORTANT: Repairs on the unit must be carried out by an authorised and licensed person only. Contact the manufacturer or an approved service agent for any repairs needed.

Symptom	Possible Cause(s)	
Unit does not work	A. No power supply	A. Check power supply
Cabinet Temperature Too High	A. Ambient temperature too high B. Inadequate ventilation C. Wall clearances below minimum distance D. Dirty condenser coil and filter E. Ice build-up on evaporator coil	A. Relocate unit B. Keep ventilation slots free C. Adjust to minimum clearance D. Clean E. Check gaskets and set temperature
Cabinet Temperature Too Low	A. Set temperature too low	A. Adjust set temperature
Drip tray overflowing	A. Extreme operating condition	A. Relocate unit
Odour inside cabinet	A. Cabinet dirty	A. Clean
No display on controller	A. No power supply B. Cabinet fuse blown	A. Check power supply B. Contact Bromic customer service
High power consumption	A. Cabinet doors opened more frequently B. Condensor blocked c. Inadequate ventilation	A. Keep cabinet doors open for minimum required time B. Clean condensor C. Keep ventilation slots free

9. OPTIONAL ACCESSORIES

Food display cabinet is supplied with pre-installed shelving and lighting.
Below can be used as optional alternative accessories.

LED Warm Light

- This unit is supplied with cool white LED lights (CCT6500K) default configuration. This can be replaced by warm lighting (CCT3000K). each food display unit has three (3) shelves, so LED lighting is supplied as a set of three (3).

Wired Shelves

- This unit is supplied with 3 glass shelves as default configuration, which can be replaced with wire shelves. Each shelf is a different length and requires two (2) wire shelf inserts. See below image.

		FD4T0660C-NR	FD4T0900C-NR	FD4T1200C-NR	FD4T1500C-NR	FD4T1800C-NR
LED Warm Light	Set of 3	Yes	Yes	Yes	Yes	Yes
Shelf Metal Wire Bottom	Set of 2	Yes	Yes	Yes	Yes	Yes
Shelf Metal Wire Middle	Set of 2	Yes	Yes	Yes	Yes	Yes
Shelf Metal Wire Top	Set of 2	Yes	Yes	Yes	Yes	Yes



Wire Shelves Inserted,
supplied as a set of two
(2) per shelf.

10. ENVIRONMENTAL AND DISPOSAL NOTES

These refrigerated cabinets are designed to high standards of environmental protection and recycling convenience. Cyclopentane, an environmentally friendly foaming agent, has been used. Cyclopentane is distinguished by zero ozone depletion potential (ODP) and zero global warming potential (GWP). The refrigerant used and contained within a hermetically tight circuit is environmentally friendly and does not contain chlorine and zero ODP.

The device must be disposed of in accordance with applicable regulations. The WEEE regulations must be observed.

In the interest of preventing environmental nuisance and promoting re-use of the high quality materials employed, used commercial refrigeration equipment must be collected for expert disposal and recycling. Therefore, observe the following disposal regulations:

- The cabinet must not be discarded with regular waste.
- The refrigeration circuit must not be damaged.
- Before disposal, make it unserviceable by disconnecting the power plug and cutting off the power cable.
- Consult your local authorities or authorised dealers for details of collection and disposal facilities.
- Children are often unable to recognise the dangers associated with commercial refrigeration equipment. Proper supervision must be maintained and children must be prevented from playing with discarded refrigerated cabinets.
- The refrigerant used in this appliance is flammable. The refrigeration circuit must not be damaged.



11. WARRANTY



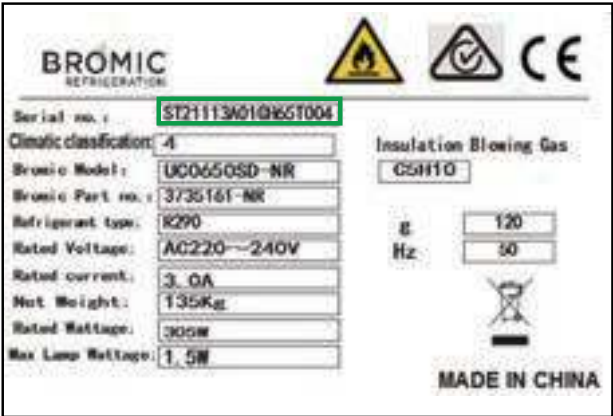
All Bromic products are manufactured to the highest quality standard and are supported by our Extra Care Service Warranty, including guarantees against any material or workmanship defects; guarantees that cannot be excluded under Australian Consumer Law.

Warranty Terms vary across the range. Please ensure you are familiar with the Terms and Conditions that apply to the purchase of your Bromic product by referring to the Warranty Policy included with your purchased product.

Alternatively, you can also download the Warranty Policy at <https://bromicrefrigeration.com.au/extra-care-warranty/warranty-information>

HOW TO PLACE A SERVICE REQUEST

- Please call 1300 276 642 to place a warranty service request and let the operator know whether you need Priority A or B service. More information can be found below.
- Ensure you have the serial number of your product ready before contacting us.
- The serial number of your product can be found on a compliance plate located on the inside right and at the rear of your cabinet.



Compliance Plate Example 1

SERVICE REQUEST PRIORITY



PRIORITY A SERVICE

When the unit is **NOT** performing its primary function such as cooling or heating, or presents an OH&S or food safety risk



PRIORITY B SERVICE

When the unit is performing its primary function, and presents no OH&S or food safety risk. i.e. lights, gaskets, locks, door adjustment



SERVICE CALL PLACED **BEFORE** MIDDAY

Priority A - Technician to attend site within 4 hours
Priority B - Technician to attend site within 8 business hours



SERVICE CALL PLACED **AFTER** MIDDAY

Priority A - Technician attends site before midday on the following business day
Priority B - Technician attends site before 4pm on the following business day

BROMIC REFRIGERATION

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