

# INSTRUCTION MANUAL VERTICAL DISPLAY FRIDGES

3736234, 3736235, 3736236, 3736237





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# 1. PREFIX

This manual contains important information about the installation, operation, and maintenance of Bromic display chillers. 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 220-240 Volt power supply.
- Installation and maintenance MUST be carried out as per instruction, in accordance with local regulation.
- Bromic will not accept liabilities, should the instructions incorporated in this manual be ignored.

## 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 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.
- Electrical equipment should not be placed under the unit or where refrigerant could gather in the event of a leak.
- Always use original spare parts supplied by the manufacturer
- When contacting Bromic Customer Service, ensure that you have the Model, Serial Number available. The information can be found from the rating plate which is located outside the appliance.
- Unplug the appliance before cleaning or moving it to avoid electric shock.
- Never use steam cleaner or wet cloths to clean the control panel, lighting and vent grills. This may damage the appliance or cause electric shock.
- The power plug must be accessible at all times while the appliance is running.
- The power supply must be properly earthed, consult a qualified electrician if unsure.
- Do not use extension cord or power adapter with this appliance.
- Do not use this appliance in an area with high humidity or subject to water damage



**Warning: Risk of fire /  
Flammable materials**

- **WARNING:** The refrigerant used in this appliance is flammable, use caution during handling, servicing and disposal of the appliance.
- **WARNING:** Do not store explosive substances such as aerosol cans with a flammable propellant in this appliance.
- **WARNING:** Keep clear of obstruction all ventilation openings in the appliance enclosure or in the structure for building-in.
- **WARNING:** Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
- **WARNING:** Ensure that the tubing of the refrigerant circuit is not damaged during transportation and installation, consult Authorised Personnel is unsure
- **WARNING:** If the refrigeration circuit becomes damaged. Avoid open flames and other source of ignition. Immediately disconnect the appliance from power supply. Ventilate the room and call Service Hotline.
- **WARNING:** Leaking refrigerant may cause eye injuries or could ignite.
- **WARNING:** The room for installing the appliance must be at least 1m<sup>3</sup> per 8g of refrigerant. The amount of refrigerant in the appliance can be found on the rating plate attached to the appliance.
- **WARNING:** Do not use electrical appliances inside the food/ice storage compartments unless they are of the type recommended by the manufacturer.
- **WARNING:** In order to reduce flammability hazards, all service work of this appliance must only be carried out by an Authorised Service Person. In Queensland, the Authorised Service Person must hold a Gas Work Authorisation to service appliances containing Hydrocarbon refrigerant including removal of covers.

### 3. PRODUCT OVERVIEW

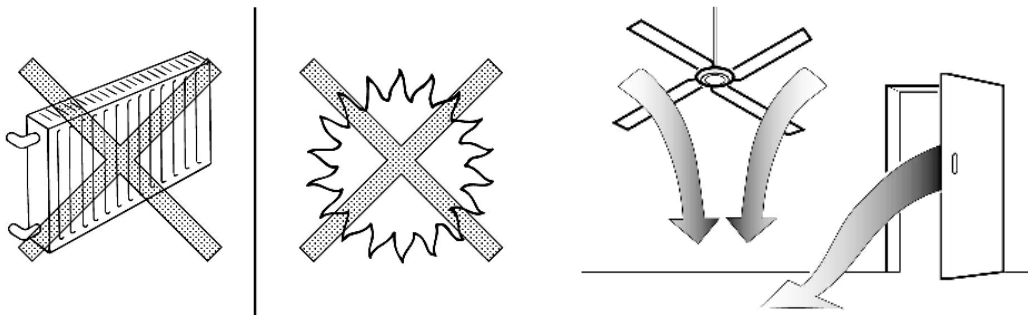
|                            |                | GM1100LS-NR | GM1100LB-NR | GM1100S-NR  | GM1100B-NR  |
|----------------------------|----------------|-------------|-------------|-------------|-------------|
| <b>Part Number</b>         |                | 3736234     | 3736235     | 3736236     | 3736237     |
| <b>External Dimension</b>  | Height, mm     | 2054        | 2054        | 2095        | 2095        |
|                            | Width, mm      | 1200        | 1200        | 1200        | 1200        |
|                            | Depth, mm      | 775         | 775         | 775         | 775         |
| <b>Capacity</b>            | Litres         | 1065        | 1065        | 1097        | 1097        |
| <b>Weight</b>              | Kg             | 195         | 195         | 195         | 195         |
| <b>Display lightbox</b>    | Type           | Yes         | Yes         | No          | No          |
| <b>Temp. Range</b>         | Degree Celsius | -1 to +5°C  | -1 to +5°C  | -1 to +5°C  | -1 to +5°C  |
| <b>Climate Class*</b>      | Class          | 3M1         | 3M1         | 3M1         | 3M1         |
| <b>Max Ambient</b>         | Degree Celsius | 43°C        | 43°C        | 43°C        | 43°C        |
| <b>Internal Light</b>      | Type           | LED         | LED         | LED         | LED         |
| <b>Door</b>                | Shape          | Flat        | Flat        | Flat        | Flat        |
|                            | Safety Glass   | Yes         | Yes         | Yes         | Yes         |
|                            | Self-Closing   | Yes         | Yes         | Yes         | Yes         |
| <b>Shelves</b>             | Qty            | 5 plus base | 5 plus base | 5 plus base | 5 plus base |
| <b>Castor</b>              | Type           | Yes         | Yes         | Yes         | Yes         |
| <b>Refrigeration</b>       | Refrigerant    | R290        | R290        | R290        | R290        |
|                            | Charge, g      | 145         | 145         | 145         | 145         |
| <b>Controller</b>          | Type           | Digital     | Digital     | Digital     | Digital     |
| <b>Plug</b>                | Rating         | 10A         | 10A         | 10A         | 10A         |
| <b>Colour</b>              | Default        | Silver      | Black       | Silver      | Black       |
| <b>Extra Care Warranty</b> | Years          | 5           | 5           | 5           | 5           |

## 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 ventilation grill free of obstructions.
- Adequate allowance should be made for door openings.



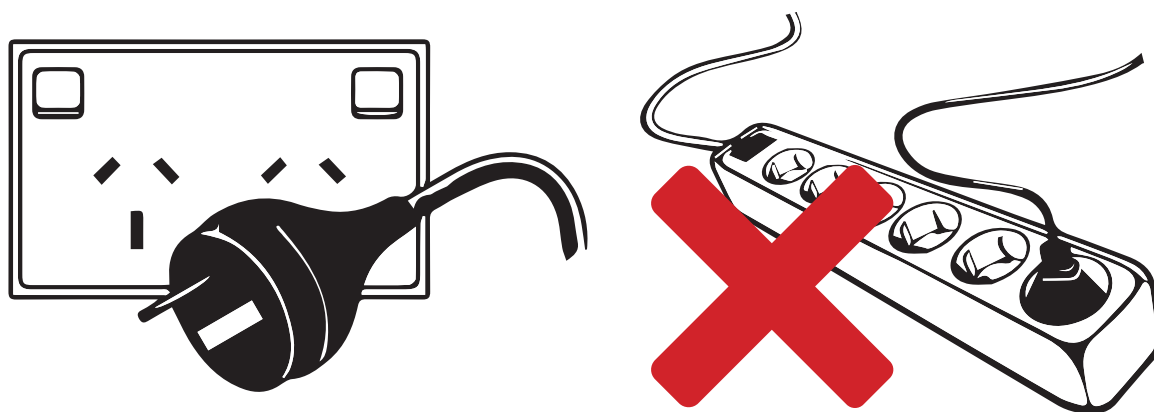
### Ventilation

- Allow 250mm clearance between walls, ceiling and the appliance. This is essential for optimal performance and reliability



## 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 should not be placed next to heat source such as room heater or other electrical appliance.
- 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

- Avoid tilting or transporting the appliance in a horizontal position. If the appliance were to be tilted, it must be left to stand in an upright position and not plugged in for at least 6 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, the appliance will start working without requiring further operation.
- The digital controller has been pre-set by factory, there is no need to adjust unless requiring different internal temperature.

### Using the Controller

- For Danfoss controller (as shown below), adjusting the temperature set point following below process:



1. The display shows the current temperature
2. Press 'up/down' to access set point
3. Press 'up/down' to adjust set point
4. After 30 seconds, the display automatically reverts to showing the current temperature
5. Press the 'light' button to turn on/off the internal light

## 6. PRODUCT LOADING AND STORAGE



**IMPORTANT:** Run the refrigerator for at least 24 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 overstock the appliance.
- Keep refrigerator door openings to a minimum.
- Maximum recommended shelf load (for each shelf) is specified in section 3 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.

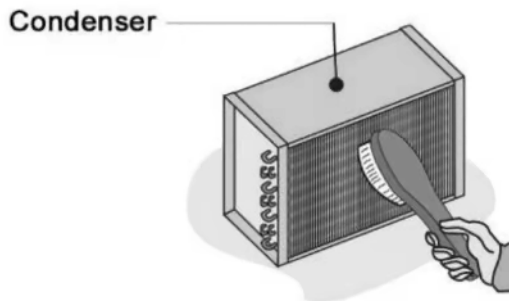
### Defrosting

- Defrosting is carried out automatically, there is no need for manual defrost.

## Condenser Coil/Filter



**IMPORTANT:** The filter and the condenser coil must be cleaned once a month with vacuum/brush to maintain the performance and minimise power consumption. A poorly maintained condenser coil can lead to failure of the unit and higher cabinet temperatures. The condenser can be accessed by removing the bottom front grill.



## 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)                                                                                                                                                                            | Solution                                                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unit does not work            | A. No power supply                                                                                                                                                                           | A. Check power supply and green indicator<br>B. Adjust temperature control dial to a colder position                                                                              |
| Internal Temperature Too High | A. Ambient temperature too high<br>B. Inadequate ventilation<br>C. Wall clearances below minimum distance<br>D. Incorrect dial position<br>E. Door not closed properly<br>F. Dirty condenser | A. Relocate unit<br>B. Keep ventilation slots free<br>C. Adjust to minimum clearance<br>D. Adjust controller set point<br>E. Ensure door is closed properly<br>F. Clean condenser |
| Internal Temperature Too Low  | A. Set temperature too low                                                                                                                                                                   | A. Adjust temperature set point                                                                                                                                                   |
| Odour inside cabinet          | A. Cabinet dirty                                                                                                                                                                             | A. Clean                                                                                                                                                                          |
| Lid difficult to open         | A. Normal<br>B. Hinge damage                                                                                                                                                                 | A. It is normal for the lid to be difficult to open just after you closed it<br>B. Inspect hinge and call service hotline                                                         |
| Noisy                         | A. Unlevel surface                                                                                                                                                                           | A. Relocate unit                                                                                                                                                                  |

## 9. 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 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 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.



**Warning: Risk of fire /  
Flammable materials**

## 10. 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 [www.bromicgroup.com/warranty-information](http://www.bromicgroup.com/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.

|                                                                                                   |             |             |            |                   |            |
|---------------------------------------------------------------------------------------------------|-------------|-------------|------------|-------------------|------------|
| <b>BROMIC</b>                                                                                     |             |             |            |                   |            |
| MODEL: <b>GM0980LS 3735048</b>                                                                    |             |             |            |                   |            |
| CLASS                                                                                             | <b>4</b>    | VOLTAGE(V)  | <b>230</b> | FREQ. (Hz)        | <b>50</b>  |
| POWER                                                                                             | <b>850</b>  | NET VOL.(L) | <b>645</b> | FZ.CAP.(Kg/24h)   |            |
| kWh/24h                                                                                           | <b>10.7</b> | DEFROST (W) |            | RESIST.(W)        |            |
| CURRENT(A)                                                                                        | <b>5.6</b>  | R134a (gr)  | <b>460</b> | LAMP (W)          | <b>102</b> |
|                                                                                                   |             | Serillo:    |            | <b>1603160001</b> |            |
|                                                                                                   |             |             |            |                   |            |
| Contains fluorinated greenhouse gases covered by the Kyoto protocol<br>Hermetically sealed system |             |             |            |                   |            |

Compliance Plate Example 1

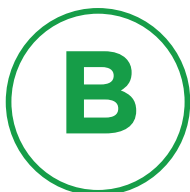
|                                |                           |                        |            |  |
|--------------------------------|---------------------------|------------------------|------------|--|
| <b>BROMIC</b><br>REFRIGERATION |                           |                        |            |  |
| Serial no.:                    | <b>ST21113A01GH65T004</b> |                        |            |  |
| Climatic classification:       | <b>4</b>                  | Insulation Blowing Gas |            |  |
| Bromic Model:                  | <b>UC0650SD-NR</b>        | <b>C5H10</b>           |            |  |
| Bromic Part no.:               | <b>3735161-NR</b>         |                        |            |  |
| Refrigerant type:              | <b>R290</b>               | g                      | <b>120</b> |  |
| Rated Voltage:                 | <b>AC220~240V</b>         | Hz                     | <b>50</b>  |  |
| Rated current:                 | <b>3.0A</b>               |                        |            |  |
| Net Weight:                    | <b>135Kg</b>              |                        |            |  |
| Rated Wattage:                 | <b>305W</b>               |                        |            |  |
| Max Lamp Wattage:              | <b>1.5W</b>               |                        |            |  |

## 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**

10 Phiney Place, Ingleburn (Sydney)  
NSW 2565 Australia  
T. 1300 276 642

For further product information  
**[bromicrefrigeration.com.au](http://bromicrefrigeration.com.au)**