



## Refrigerated display cabinet



Installation, Operation & Maintenance Manual  
(HC Gas R290 used)

## Safety Tips

- Position on a flat, level and stable surface.
  - Position the display in the correct environment with adequate ventilation space behind and above the unit, Ambient temperature must be 450mm AFFL.
  - A service agent/qualified technician should carry out installation and any repairs if required. Do not remove any components or service panels on this product.
  - Consult Local and National Standards to comply with the following: 'Health and Safety at Work Legislation 'BS EN Codes of Practice 'Fire Precautions 'IEE Wiring Regulations 'Building Regulations
  - The electrical power supply must be protected by and Earth Fault Protective device like an RCD, or RCBO. **DO NOT** use Extension leads.
  - DO NOT use jet/pressure washers to clean the appliance.
  - DO NOT use the appliance outside.
  - DO NOT use this appliance to store medical supplies.
  - DO NOT use electrical appliances inside the appliance. (e.g. heaters, ice-cream makers etc.)
  - DO NOT stand or support yourself on the base, shelves or doors.
  - DO NOT allow oil or fat to come into contact with the plastic components or seals. Clean immediately if contact occurs.
  - Bottles that contain a high percentage of alcohol must be sealed and placed vertically in the refrigerator.
  - Always carry, store and handle the appliance in a vertical position and move by holding the base of the appliance.
  - Always switch off and disconnect the power supply to the unit before cleaning.
  - Keep all packing away from children. Dispose of the packaging in accordance with the regulations of local authorities.
  - If the power cord is damaged, it must be replaced by an agent or a recommended qualified technician in order to avoid a hazard.
- Introduction Please take a few moments to carefully read through this manual. Correct maintenance and operation of this machine will provide the best possible performance from your product.

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## Pack Contents

- Refrigerated display
  - Shelves x 4
  - Instruction manual
  - Shelf guides x 8
  - Shelf Ticket Strips x 4
  - Base ticket strips x 1
- Note! double qty will be supplied for wider models**

We pride ourselves on quality and service, ensuring that at the time of packing the contents are supplied fully functional and free of damage. Should you find any damage as a result of transit, please contact your dealer immediately.

## Installation Note:

If the appliance has not been stored or moved in an upright position, let it stand upright for approximately 6 hours before operation. If in doubt allow the appliance to stand.

1. Remove the appliance from the packaging. Make sure, that all protective plastic film and coatings are thoroughly removed from all surfaces.
2. Maintain a distance of 20cm (7 inches) between the unit and walls, ceilings or other objects for ventilation. Increase this distance if the obstacle is a heat source.
3. Ensure the ambient temperature is below 25°C with relative humidity < 60%, and avoid drafty areas, and locations below 15 degrees C.
4. Beware of enclosed rooms with other refrigeration equipment as additional ventilation may be required.
5. Ensure cabinet is level, use the adjustable feet to level as necessary.
6. Ensure both mains supply leads are not trapped and are connected to an appropriate fixed electrical outlet which is protected by an Earth fault protective device like an RCD or RCBO.
7. Unfasten the cords around the shelves, adjust as required, fit price rails on the front of the shelves

**Note:** Before using the appliance for the first time, clean the shelves and interior with warm soapy water thoroughly dry afterwards.

## Night-blind

A night-blind comes fitted to the open type display, this must be closed when not in use. Closing the Night-blind conserves energy. Open or close the night blind slowly, retain hold of the night-blind handle until it is slowly fully extended or retracted.

## Fitting the Shelves

1. Place one set of shelf guides on either side of the cabinet at the desired height.
2. Slide the shelf into place. Ensure the shelf is supported to prevent straining or trapping the led lighting cable.
3. Fit ticket strips to front edge of shelves
4. Repeat for the remaining shelves.

## Operation

### Storing Food

To get the best result from your appliance, follow these instructions:

- Only store foodstuffs in the appliance when it has reached the correct operating temperature. Products must be pre-chilled before loading into the display.
- Do not store inflammable, explosive, volatile fluid or gas inside the appliance.
- Do not place hot food or liquid inside the appliance.
- ALL food must be covered / packaged including sauces.
- Do not overload each shelf, allow sufficient space to allow for air movement around the products.
- Load products carefully into the appliance to avoid damaging/ scratching the surfaces
- Clean up any spillage immediately to avoid possible blockage and cross contamination of foods
- Do not obstruct the fans inside the appliance.
- Do not place hot food or liquid inside the appliance.
- Avoid opening the doors if fitted for prolonged periods of time.
- Observe temperature and log temperatures every 2 hours.

### Turn on

1. Close the door(s) / night-blind of the appliance.
2. Ensure the power switch is set to [O] and turn on at the socket.
3. Switch on the power [I]. The current temperature within the appliance is displayed. Allow ½ hour before loading the cabinet.
4. Switch on the red heater switch if fitted is switched on as this is needed to boil off any water condensate.
5. Switch on the light switch to illuminate the display area.

### Adjusting the Set Temperature

1. Press and hold the set button for 3 seconds till the C led starts blinking with the current set temperature shown
2. Use the arrow keys to adjust to the required set temperature setting.
3. Press the set key to store, then leave for approx. 5 secs till the display shows the cabinet temperature, the cabinet will then cool down to the new set temperature. NOTE! The temperature shown on the display will fluctuate during normal use as the unit regulates the cabinet temperature.

### Manual Defrost

The appliance will automatically run a defrost cycle every four hours. During this part of the cycle, the temperature may rise slightly, however the product temperature will not be affected.

Note: The cycle starts from the time the appliance is initially powered up.

#### To manually defrost the appliance:

1. Press and hold the DEFROST button for 5 seconds.
2. The defrost cycle will start immediately and the Defrost LED symbol illuminates. The defrost will last a maximum of 30 minutes.

Note: Starting a manual defrost also resets the automatic defrost timer.

### Cleaning, Care & Maintenance

- Switch off and disconnect from the power supply before cleaning.
- Clean the interior of the appliance daily and as often as possible.
- Do not use abrasive or corrosive cleaning agents or sprays. These can leave harmful residues.
- Clean the door seal with warm water with a mild detergent only.
- Always wipe dry after cleaning. Stainless steel cleaner can be applied to stainless steel surfaces to preserve the finish.
- Do not allow water used in cleaning to run through the drain hole into the evaporation pan.
- Take care when cleaning the rear of the appliance. Sharp edges can cut.
- An agent or qualified technician must carry out repairs if required.

#### Cleaning the Condenser:

Periodically cleaning the condenser can extend the life of the appliance. We recommend cleaning the condenser ONCE A MONTH especially in warmer ambient temperatures. This is sited underneath the cabinet behind the magnetic front ventilated panel, which can be hinged down to gain access for cleaning with a brush or vacuum cleaner, Care must be taken not to damage the thin surface, gently brush the surface. We recommend that a skilled person or qualified technician cleans the condenser.

## Troubleshooting

If your appliance develops a fault, please check the following table before making a call to your retailer.

| Fault                                                       | Probable Cause                                                            | Action                                                                   |
|-------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------|
| The appliance is not working                                | The unit is not switch on                                                 | Check the unit is plugged in correctly and switched on                   |
|                                                             | Plug and lead are damaged                                                 | Call your agent or qualified technician                                  |
|                                                             | Fuse in the plug has blown                                                | Replace the fuse                                                         |
|                                                             | Power supply                                                              | Check power supply                                                       |
|                                                             | Internal wiring fault                                                     | Call your agent or qualified technician                                  |
| The appliance turns on, but the temperature is too high/low | Too much ice on the evaporator                                            | Defrost the appliance                                                    |
|                                                             | Condenser blocked with dust                                               | Arrange the cleaning of the condenser                                    |
| The appliance turns on, but the temperature is too high/low | Doors are not shut properly                                               | Check doors are shut and seals are not damaged                           |
|                                                             | Appliance is located near a heat source/ high ambient / draughty location | Move the refrigerator to a more suitable location / increase ventilation |
|                                                             | Unsuitable foodstuffs are being stored in the appliance                   | Remove any excessive hot foodstuffs or blockages to the fan              |
|                                                             | Appliance is overloaded                                                   | Reduce the amount of food stored in the appliance                        |
| The appliance is leaking water                              | The appliance is not properly levelled                                    | Adjust the screw feet to level the appliance (If applicable)             |
|                                                             | The discharge outside is blocked                                          | Clear the discharge outlet                                               |
|                                                             | The heater is switched off                                                | Switch on the heater switch (if fitted)                                  |
|                                                             | The water container is damaged / vaporizing tray heater not working       | Call your agent or qualified technician                                  |
| Troubleshooting process for abnormal sounds                 | Check if the product is placed horizontally.                              | Place the product horizontally.                                          |
|                                                             | Check if there are any other items in contact with the product.           | Put other items off the product.                                         |
|                                                             | Check if all the adjustable feet are in contact with the ground.          | Adjust the adjustable feet contact with the ground.                      |

## Technical Specifications

| Model<br>(BK,WH & SS) | Description                                                          | Gas<br>Type | Temperature<br>range | Input<br>power<br>(W) | Rated<br>current<br>(A) | Gross<br>Capacity<br>(L) | Net<br>weight<br>(Kg) | Product<br>dimensions<br>WxDxH (mm) |
|-----------------------|----------------------------------------------------------------------|-------------|----------------------|-----------------------|-------------------------|--------------------------|-----------------------|-------------------------------------|
| BTD70SSV2             | 0.7 Mtr Stainless steel tiered display with night blind              | R290        | -1° to +7°C          | 800                   | 5.2                     | 300                      | 124                   | 700*700*2000                        |
| BTD100SSV2            | 1 Mtr Stainless steel tiered display with night blind                | R290        | -1° to +7°C          | 870/500               | 5/2.4                   | 440                      | 186                   | 1000*700*2000                       |
| BTD130SSV2            | 1.3 Mtr Stainless steel tiered display with night blind              | R290        | -1° to +7°C          | 940/1000              | 4.8/4.8                 | 595                      | 240                   | 1315*700*2000                       |
| BTD150SSV2            | 1.5 Mtr Stainless steel tiered display with night blind              | R290        | -1° to +7°C          | 1650/1000             | 10.1/4.8                | 693                      | 288                   | 1520*700*2000                       |
| BTD200SSV2            | 2 Mtr Stainless steel tiered display with night blind                | R290        | -1° to +7°C          | 1790/1500             | 9.2/7.2                 | 893                      | 330                   | 1940*800*2000                       |
| BTD130HGDA            | 1.3 Mtr Stainless steel A rated tiered display with Dbl glazed doors | R290        | -1° to +7°C          | 640                   | 4.2                     | 787                      | 300                   | 1315*740*2000                       |
| BTD100GDV2            | 1 Mtr Stainless steel tiered display with Dbl glazed sliding doors   | R290        | -1° to +5°C          | 670/500               | 5.2/2.4                 | 560                      | 226                   | 1000*800*2000                       |
| BTD130GDV2            | 1.3 Mtr Stainless steel tiered display with Dbl glazed sliding doors | R290        | -1° to +5°C          | 690/500               | 5.3/2.4                 | 750                      | 290                   | 1315*800*2000                       |
| BTD150GDV2            | 1.5 Mtr Stainless steel tiered display with Dbl glazed sliding doors | R290        | -1° to +5°C          | 850/500               | 5.9/2.4                 | 873                      | 340                   | 1520*800*2000                       |
| BTD200GDV2            | 2 Mtr Stainless steel tiered display with Dbl glazed sliding doors   | R290        | -1° to +5°C          | 990/500               | 6.6/2.4                 | 1125                     | 400                   | 1940*800*2000                       |
| BTD250GDV2            | 2.5 Mtr Stainless steel tiered display with Dbl glazed sliding doors | R290        | -1° to +5°C          | 1140/500              | 6.8/2.4                 | 1500                     | 480                   | 2565*800*2000                       |
| BLH90                 | 0.9mtr Black semi multideck with curved sliding doors                | R290        | -1° to +5°C          | 430                   | 2.4                     | 290                      | 166                   | 900*740*1395                        |
| BLH120                | 1.2 mtr Black semi multideck with curved sliding doors               | R290        | -1° to +5°C          | 440                   | 2.5                     | 351                      | 209                   | 1200*740*1395                       |
| BLH150                | 1.52 mtr Black semi multideck with curved sliding doors              | R290        | -1° to +5°C          | 670                   | 3.7                     | 451                      | 233                   | 1520*740*1395                       |

## Electrical Wiring

Appliances are supplied with a 3 pin, BS1363 plug and lead, with a 13 amp fuse as standard.

The plug is to be connected to a suitable fixed mains socket outlet; extension leads or plug adaptors should not be used.

Appliances are wired as follows: Live wire (coloured brown) to terminal marked L Neutral wire (coloured blue) to terminal marked N Earth wire (coloured green) to terminal marked E.

All appliances must be earthed, using a dedicated earthing circuit. If in doubt, consult a qualified electrician.

The electrical socket outlet must be protected by an Earth fault protective device such as an RCD, RCBO.

Electrical isolation points must be kept clear of any obstructions. In the event of any emergency disconnection being required they must be readily accessible.

**R290 refrigerant is used for this equipment.**



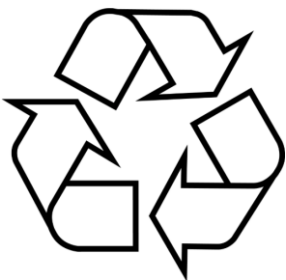
### **Caution!**

Consult repair manual/owner's guide before attempting to install or service this product. All safety precautions must be followed. Dispose of properly in accordance with federal or local regulations. Risk of fire or explosion due to puncture of refrigerant tubing. Follow handling instructions carefully.

### **Danger!**

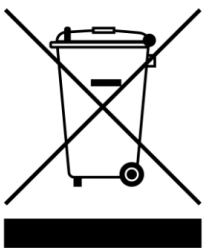
Risk of fire or explosion. Flammable refrigerant used. To be repaired only by trained service personnel. Do not use mechanical devices to defrost refrigerator. Do not puncture refrigerant tubing.

### **Disposal**



EU regulations require refrigeration products to be disposed of by specialist companies who remove or recycle all gases, metal and plastic components. Consult your local waste collection authority regarding disposal of your appliance. Local authorities are not obliged to dispose of commercial refrigeration equipment but may be able to offer advice on how to dispose of the equipment locally. All packaging materials should be disposed of in an environmentally friendly way. The cardboard may be re-used or recycled. The protective foil and the foam cushions are CFC-free. Do not allow children to play with the packaging and destroy plastic bags safely.

### **Environmental protection**



Discarded electric appliances are recyclable and should not be discarded in the domestic waste! Please actively support us in conserving resources and protecting the environment by returning this appliance to the collection centers (if available).

### **Compliance**

Parts have undergone strict product testing in order to comply with regulatory standards and specifications set by international, independent, and federal authorities.

Products have been approved to carry the following symbols:

