

## Miami Series - Pallet Cooler



Thank you for choosing this Rhino appliance. It is essential that you read this booklet carefully and keep in a safe place for future reference. The booklet contains mandatory safety information as well as details of essential maintenance routines.



**WARNING!** Refrigeration repairs, electrical repairs or alterations must only be carried out by suitably qualified and competent persons.

## **Model List**

Miami 600 L

Miami 600 R

Miami 600 L MS

Miami 600 R MS

Miami 900

Miami 900 MS

Miami 1070

Miami 1070 MS

Miami 1430 A

Miami 1430 C

Miami 1430 A MS

Miami 1430 C MS

Miami 1430 AD

Miami 1430 CD

Miami 1430 AD MS

Miami 1430 CD MS

Miami 1620 A

Miami 1620 C

Miami 1620 A MS

Miami 1620 C MS

# CONTENTS

---

<b>1. Before you start.....</b>	<b>2</b>
<b>1.1. Environmental conditions.....</b>	<b>2</b>
<b>2. Intended use of the cabinet.....</b>	<b>2</b>
<b>2.1. Safety Warnings.....</b>	<b>2</b>
<b>2.2. Unpacking and Plugging in.....</b>	<b>4</b>
<b>2.2.1.General guidelines for all models .....</b>	<b>4</b>
<b>2.2.2. Special Instructions for larger Miami models.....</b>	<b>5</b>
<b>2.3. Installation and positioning.....</b>	<b>8</b>
<b>2.3.1.Ventilation space.....</b>	<b>8</b>
<b>2.3.2. Location Advice.....</b>	<b>10</b>
<b>2.3.3. Installation of the shelves.....</b>	<b>10</b>
<b>2.4. Cleaning before first use.....</b>	<b>10</b>
<b>2.5. Turn on the power.....</b>	<b>10</b>
<b>3. Operation of the appliance.....</b>	<b>11</b>
<b>3.1. Lighting.....</b>	<b>11</b>
<b>3.2. Temperature control.....</b>	<b>11</b>
<b>3.3. Eco Mode (only applicable to Miami fitted with a motion sensor) .....</b>	<b>12</b>
<b>3.4. Defrosting.....</b>	<b>13</b>
<b>3.5. Loading the cabinet.....</b>	<b>13</b>
<b>4. Maintenance.....</b>	<b>14</b>
<b>4.1. Cleaning and sanitisation.....</b>	<b>14</b>
<b>4.2. Cleaning the condenser .....</b>	<b>14</b>
<b>5. Servicing and spare parts.....</b>	<b>15</b>
<b>6. Disposal of Equipment at End-of-Life.....</b>	<b>15</b>

---

# 1. Before you start

Thank you for your selection of this Rhino appliance. It uses the latest energy saving components and high quality materials to ensure optimum operational efficiency.

Please read this User Guide carefully. It explains how to position, install, use and maintain the appliance in the authorised manner. Please store this User Guide in a safe place and ensure that it is available for reference by other users. All those responsible for the appliance must be aware of how to operate it safely.

The cabinet must be installed, started up and operated in compliance with local hygiene laws, safety regulations and the instructions set out in this User Guide.

If the cabinet has sustained damage in transit or, if a defect is apparent upon start-up, please switch off the appliance, disconnect from the mains power supply and report the fault to the dealer from whom it was purchased.

## 1.1. Environmental conditions

The appliance has been designed to be operated in ISO Climate Class 3 / CC1 conditions. These are defined as:

- Maximum ambient temperature 25°C
- Relative Humidity 60%

## 2. Intended use of the cabinet

The Miami series of cabinets is designed for the bulk display of cold beverages in a commercial setting. It should not be used for purposes other than these. The cabinet automatically maintains the temperature of the stored products and comes pre-set from the factory.

### 2.1. Safety Warnings



**WARNING!** Electrical work must only be performed by suitably qualified and competent persons in accordance with all local regulations.



Please observe the following safety precautions and instructions at all times.

Rhino accepts no liability if the instructions and warnings in this manual have been disregarded:

- The appliance is for indoor use only.
- Do not use this appliance other than for its intended use as a commercial beverage cooler.
- Always observe the load lines on the coolers and never overfill.
- Always disconnect the mains power supply before removing any cover, performing maintenance work, cleaning or making any repairs.
- Ensure that children do not play with the appliance. Neither cleaning nor user maintenance shall be performed by children.
- Do not cover the front, rear or top cover ventilation slots. To do so causes risk of fire and

---

will also cause a malfunction of the refrigeration system. Please observe the installation instructions in this user guide.

- Do not probe any openings in the cabinet and be careful not to touch any moving parts such as the fans. Do not touch hot surfaces such as the compressor or rear pipework or cold surfaces such as the evaporator plate (these items are safely behind covers).
- Any electrical work on the cabinet shall only be carried out by suitably qualified, competent and skilled persons in possession of current certificates and licenses sufficient for the practice of their trade.
- Do not overload the power supply. Always ensure that the power supply is sufficient for the electrical requirements that are specified on the rating label. The rating plate is located on the inside of the cabinet on the left hand sidewall. If in doubt, please consult a qualified electrician. Important: never use adaptors or multi-block extension leads to connect the appliance to the mains power.
- If the mains power supply cord is damaged, it must be replaced by Rhino, its service agent or a suitably qualified, competent and skilled electrician in order to avoid a hazard.
- Do not store explosive or flammable substances, liquids or packages (such as aerosol cans with a flammable propellant) inside this appliance.
- Do not use any electrical appliances inside the refrigerated compartment of this appliance.
- Do not use any mechanical devices or other means to accelerate the defrosting process. Defrosting is performed automatically by the electronic controller and needs no user intervention.
- Do not damage the refrigeration circuit. If you do so by accident, then open a window or door immediately so as to ventilate the area. The refrigerant is flammable.
- This appliance contains flammable refrigerant within its sealed system and also within the insulation foam. As such it is mandatory that the cabinet is serviced and, at end-of-life recycled by, a professional organisation with appropriate skilled persons who have the necessary qualifications, certifications, licenses and expertise to do so. If in doubt please contact Rhino.
- The appliance uses LED lighting. The lighting strips and transformer should only be replaced using genuine Rhino spare parts of the same technical specification. The items must only be installed by a qualified electrician.
- During all operations please be careful not to jolt, bump, jar or thump the cabinet. Handle it gently and with care. The refrigeration pipework is delicate and may be damaged by rough handling.
- Do not exceed the maximum individual shelf loading weight of 120 kg/m<sup>2</sup> shown in Table 1 below:

Table 1: Maximum Shelf Loading Weights

Miami 600 L/R/MS	34kg
Miami 900 /MS	55kg
Miami 1070 /MS	67kg
Miami 1430 A/C/AD/CD/MS	44kg
Miami 1620 A/C/MS	52kg

Do not use more than 4 levels of shelves per Miami.

Do not climb on, or swing from the shelves.

Only use genuine Rhino shelves and brackets.

- 
- Never move or tilt the appliance whilst it is connected to the power supply.
  - The appliance must always be earthed.
  - The appliance must only be charged with R290 refrigerant from an authorised supplier in possession of the correct licenses. The use of any other type of refrigerant is dangerous and is not permitted under any circumstances.
  - Electrical equipment should not be placed under the unit, nor where the refrigerant could gather in the event of a leak.
  - In some countries, a Gas Work Authorisation may be required if the system is to be opened or charged.
  - The appliance shall not be used without the compressor compartment cover in place and securely fastened.
  - Do not climb on the cabinet or step inside it.
  - This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

## 2.2. Unpacking and Plugging in

### 2.2.1 General guidelines for all models

- Please read and observe all the warnings and procedures listed in 2.1. These contain critical safety advice.
- During all operations, please be careful not to bump, thump, jolt or jar the appliance. Handle it gently and with care. The refrigeration pipework is delicate and will be damaged by rough handling.
- The appliance is heavy and therefore please carry out a risk assessment prior to commencing this operation.
- Please cut the packing straps taking the necessary precautions to avoid hurting yourself or others. Remove all packaging and ensure that it is recycled in accordance with all local laws and regulations. Safety Note: Please pay attention to the plastics used in the packaging and ensure that they are kept away from children and animals.
- Please take care not to pinch or damage the power cord.
- Please examine the power cord for splits, cuts or damage prior to connection to the mains power supply.
- Do not place the appliance next to a source of static electricity or where it could be vulnerable to lightning strike.
- The room must be well ventilated and free from sources of ignition. It must not be located in a position where refrigerant could gather in the event of a leak. If it is below ground level, then extra precautions may be necessary and an expert should be consulted.
- Set the cabinet in its place in full accordance with the instructions in 2.3 below.
- Plug-in the appliance to the power supply.

---

## 2.2.2 Special Instructions for Miami models 1430 A, 1430 A MS, 1620 A, 1620 A MS



### Safety Precautions:

Do not connect to the power supply until all of the steps below have been safely completed. Heavy! Units weigh 31kgs each. Please ensure appropriate lifting safety precautions have been taken.

Risk of toppling: Please ensure that cabinet base is fully stabilised to ensure that no toppling risk is present.

Safe work area: Please ensure that the work area is safely cordoned off to avoid injury in the case of an accident during installation.



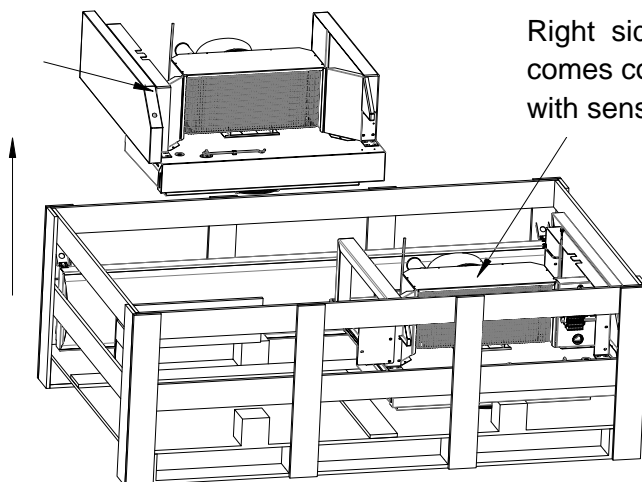
### Unpacking the refrigeration units:

Prise open the wooden crates being mindful that the contents inside are delicate. Be sure to immediately bend flat any nails or pins that become exposed during the opening process. Remove from site as soon as possible.

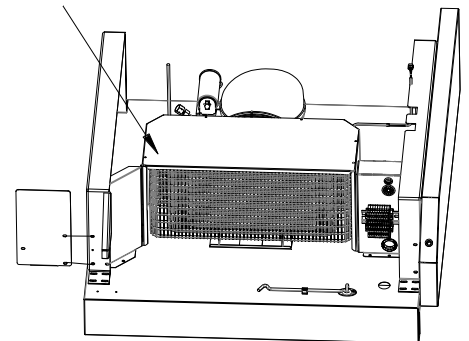
If the refrigeration units are found to have been delivered upside down, please abort the installation and return the units to the warehouse.

Step 1: Take out the unit from the package

Left side unit does not have sensors.

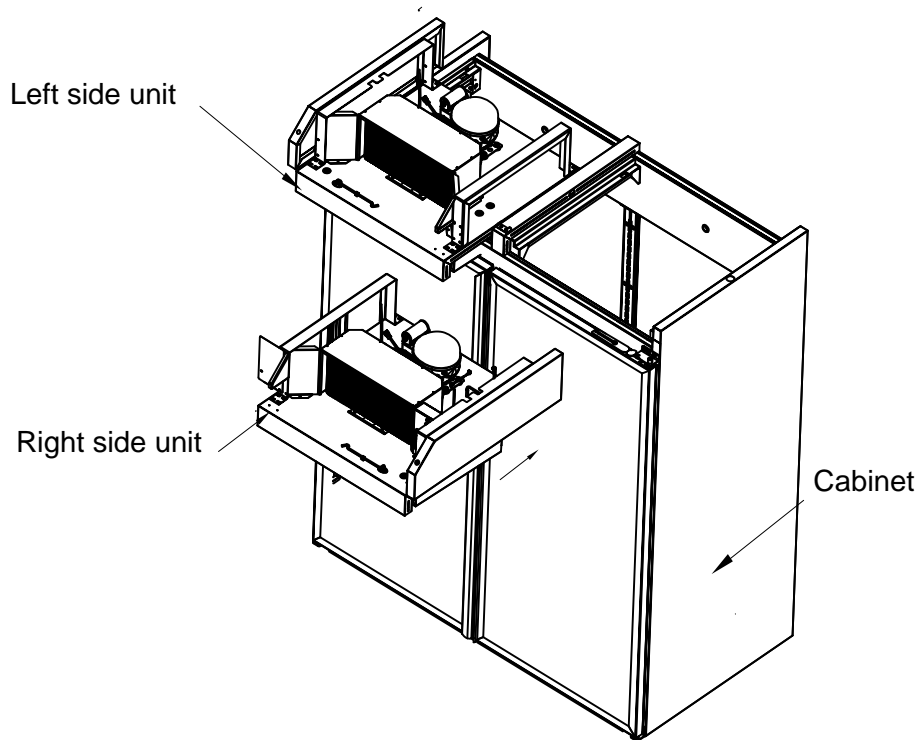


Right side unit comes complete with sensors.

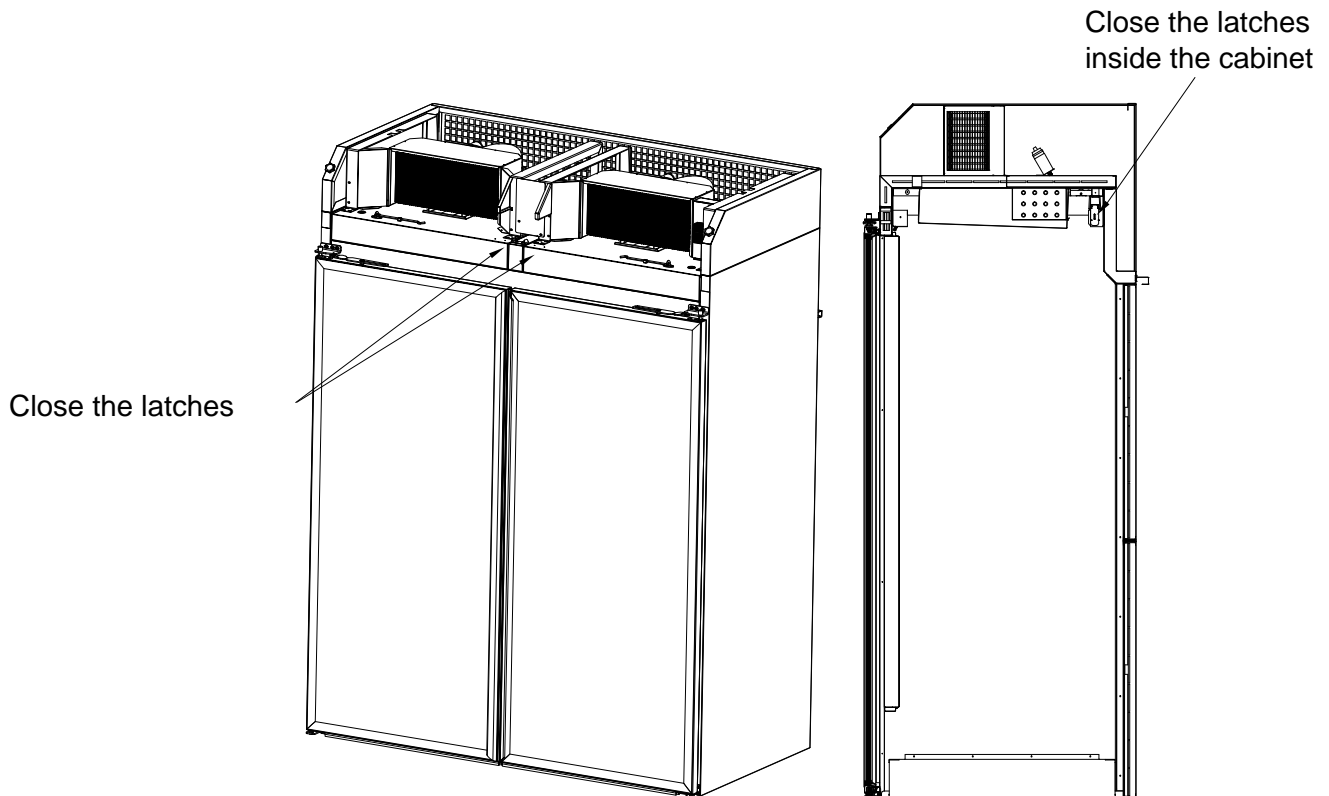


---

Step 2: Install the refrigeration units into the cabinet

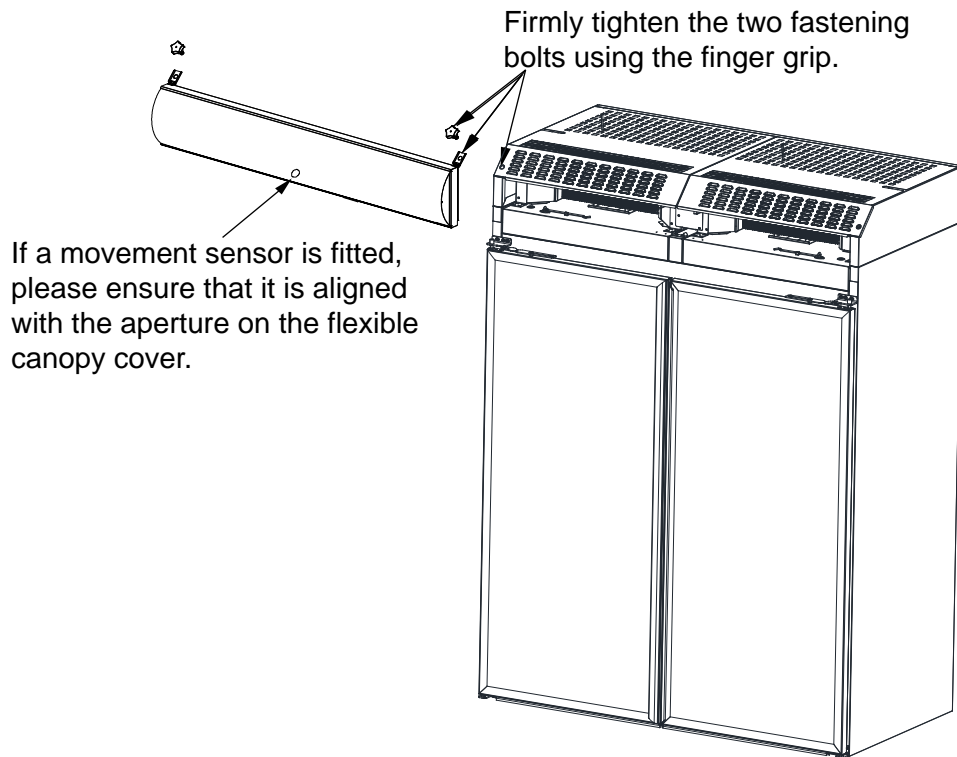


Step 3: Fasten into position



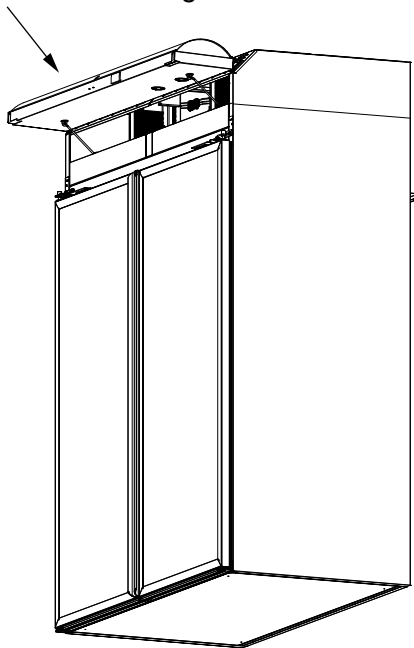


Step 4: Install the canopy and unit top grill

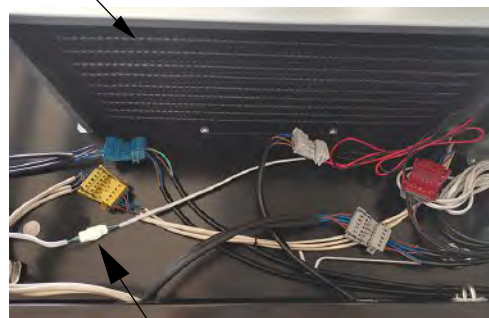


Step 5: Make the electrical connections

Raise the canopy upwards and secure in the open position using the stays provided at left and right hand side.



Join the coloured connectors, of which there are five. Red, blue, grey, white and yellow.



Join the connector



Connect the LED light power cable in the centre.

---

### Step 6: Power-Up and Test

Check the power cable for integrity in case it has become split or damaged. If it is damaged, abort the process and call for a qualified person to change it.

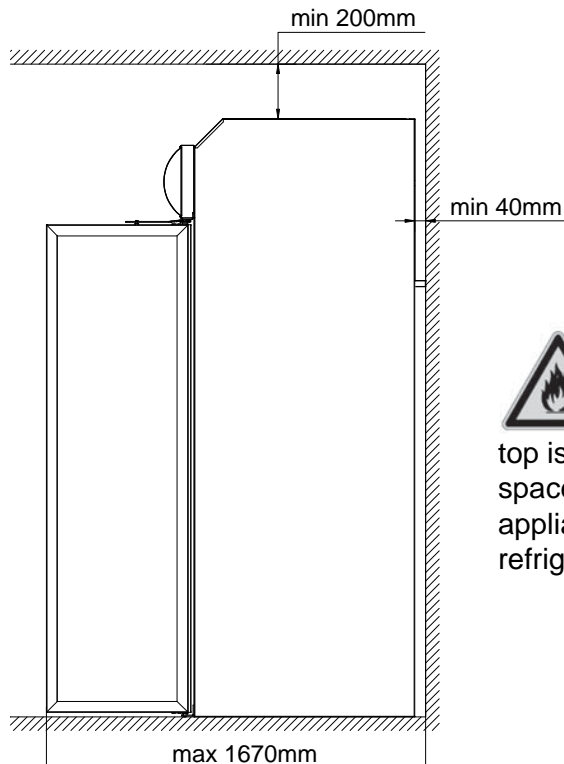
Plug the unit into mains power supply ensuring that the supply is in full accordance with the rating plate values shown on the cabinet.

Check that the units have come down to temperature and are cycling.

## 2.3. Installation and Positioning

Please locate the cabinet on a smooth and level floor, respecting the maximum ambient conditions 25°C, 60% relative humidity.

### 2.3.1. Ventilation Space



The minimum ventilation space at rear and top is shown in Figure 1. It is essential that the minimum spaces are respected to ensure the safe operation of the appliance. Failure to do so will cause a fire risk, cause a refrigeration failure and invalidate the guarantee.

Figure 1

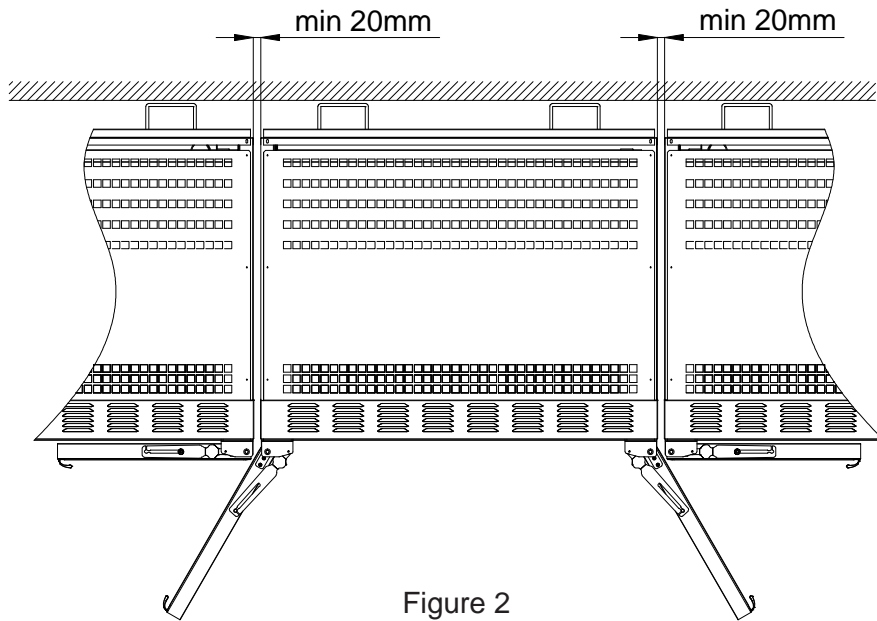


Figure 2

The plan view (looking from the top) in figure 2 shows the space that must be left at each side of the cabinet.

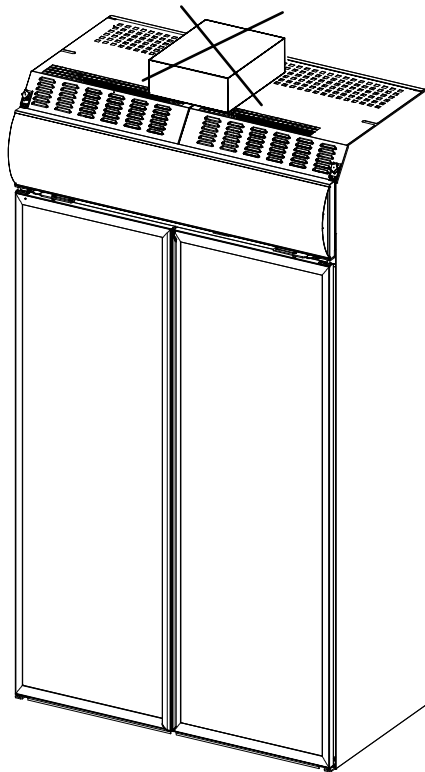


Figure 3



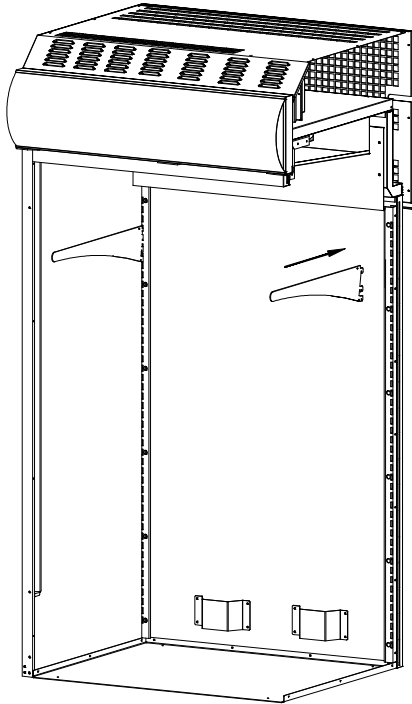
Never place objects or point-of-sale materials / advertisements on top of the appliance.

---

### 2.3.2. Location Advice

- Do not position the cabinet next to a source of heat such as a ceiling heating duct, ceiling mounted spot light, radiator or other heat emitting device.
- Do not position the cabinet in direct sunlight.
- Do not position in a cellar location or near any naked flames or sources of spark.

### 2.3.3. Installation of the shelves



Please fit the shelf brackets ensuring they are level and securely located on the support structure.

Figure 4

## 2.4. Cleaning before first use

Please clean and sanitise the interior and exterior surfaces of the appliance using a disposable paper towel. Please clean the glass inside and out using a commercially available glass cleaner. Always follow and respect the instructions given by the manufacturer of the fluids used. Do not use cream cleansers because they may damage the paint finish. Do not use steam, power washers, jetting water, or any form of water inundation.

#### NOTE



Make sure that all cleaning fluids are classed as non-toxic.

Dry the surfaces carefully prior to connection to the power supply.

## 2.5. Turn on the power

Turn on the power to the cabinet and observe the temperature beginning to fall.

### 3. Operation of the Appliance

The appliance is designed to operate automatically with no user intervention. Temperature control and defrosting are part of the automatic routines of the appliance.

#### 3.1. Lighting

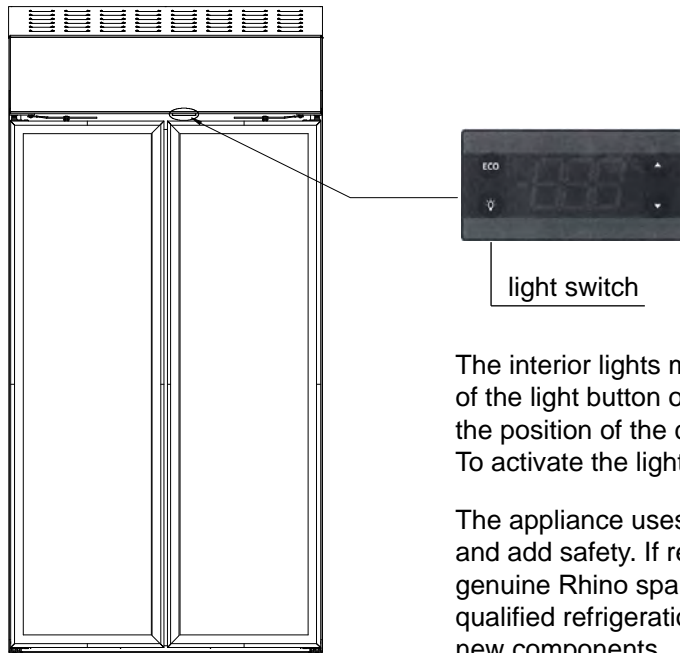


Figure 5

The interior lights may be switched on and off by means of the light button on the controller. See Figure 5 to locate the position of the controller and the lighting button. To activate the light switch, press and hold the light button.

The appliance uses low voltage LED lights to save energy and add safety. If replacement is required always use genuine Rhino spare parts. An electrician or suitably qualified refrigeration engineer should be used to fit the new components.

#### 3.2. Temperature control

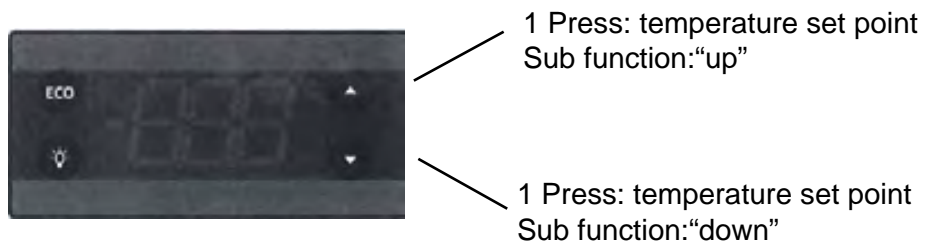


Figure 6

The temperature of the cabinet is pre-set at the factory and normally needs no user intervention. In normal use, the interior air temperature is displayed. Please note that this will fluctuate with door openings and also when defrosting routines occur. However if it is desired to alter the temperature, please see the control buttons in Figure 6. To access the Set Point, make a short press on the UP Arrow button. The current target Set Point will be displayed. To raise the Set Point, please repeatedly press the Up Arrow button until the desired set point is reached. Release the button and the display will revert to the current interior air temperature. To lower the Set Point, press the Down arrow button.

### 3.3. Eco Mode (only applicable to Miami fitted with a Motion Sensor)

The purpose of the Eco mode is to save energy by allowing the interior temperature to rise by 4 degrees Centigrade when it detects that the location is closed for business (no movement).

To enable this to happen, Eco versions of the Miami series have a motion detection sensor mounted in the centre of the advertising canopy, above the doors. Figure 7 shows the maximum field of vision of the sensor. Any movement detected within this zone will automatically trigger the electronic controller to place the system into Normal Business Mode. Stationary objects such as nearby shelves, even if placed within the field of vision, will not affect the sensor readings. When the cabinet is placed in ECO mode, the display shown in Figure 6 will change to ECO. If the user desires to manually switch mode from Normal mode to Eco mode, then they may simply press and hold the ECO button for approximately 5 seconds until the display changes either to ECO or NOR. The standard version of the Miami series does not have this functionality.

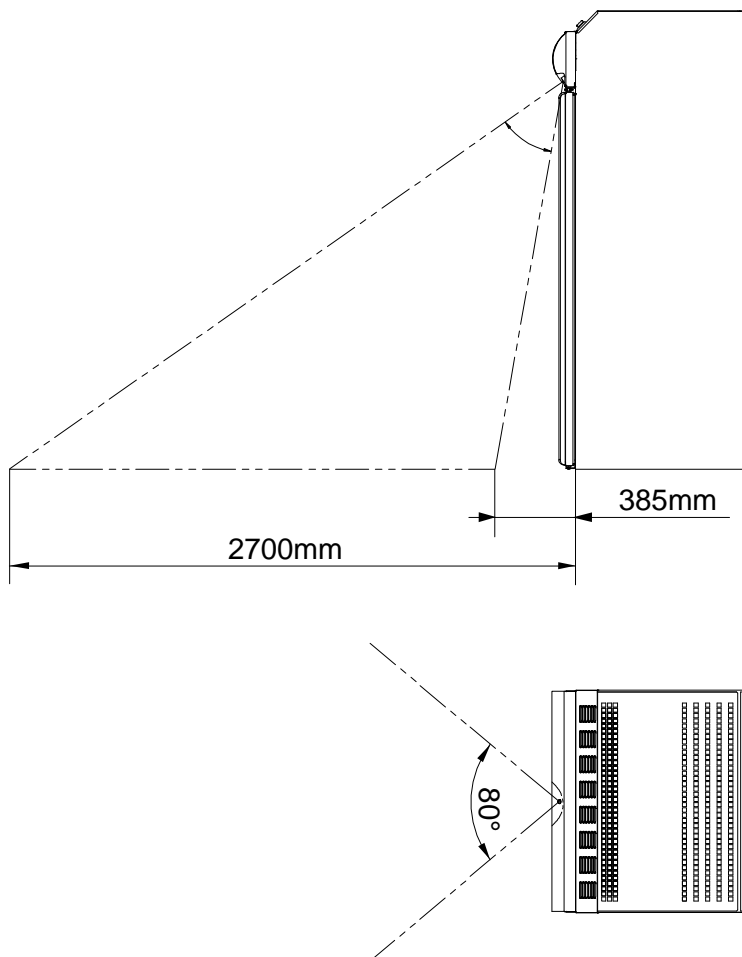


Figure 7

### 3.4. Defrosting

Defrosting is performed automatically without user intervention. During the programmed defrost cycle, the displayed temperature value is locked at the last reading prior to entering the defrosting period. The actual interior air temperature will rise temporarily until the defrosting cycle has completed. This is a normal and necessary function of the cooling system. When the defrost cycle has concluded, the displayed value will revert to the actual air temperature and the cooling system will resume working to bring the temperature down to the Set Point temperature.

### 3.5. Loading the cabinet

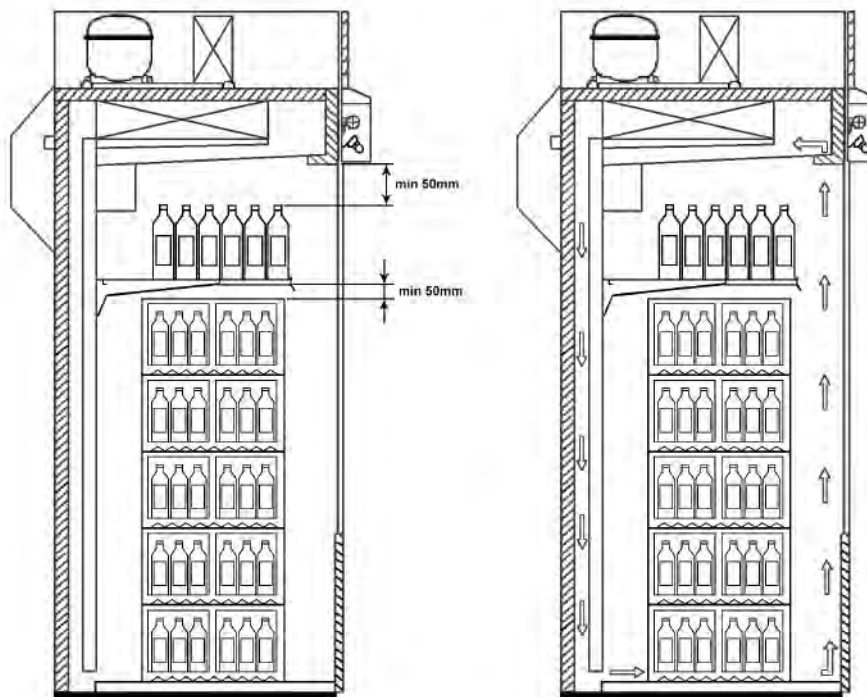


Figure 8

- The doors may be opened widely to activate the “stay-open” function. Load the cabinet always being sure to respect the loading weight limits of the shelves and the load lines marked on the rear and side walls. Position the products carefully.
- Do not fill the cabinet above the load limits marked in the cabinet.
- Exceeding the load limit will disrupt the designed airflow pattern and cause the temperature of products to rise.
- Do not drop or throw products into the cabinet.
- Take not to damage the cabinet interior.

---

## 4. Maintenance

It is essential to maintain and care for your Rhino appliance.

### 4.1. Cleaning and sanitisation

Please regularly clean and sanitise the interior and exterior surfaces of the appliance using a disposable paper towel paying special attention to the door handles and delicate rubber seals. Please clean the glass inside and out using a commercially available glass cleaner. Always follow and respect the instructions given by the manufacturer of the fluids used. Do not use cream cleansers because they may damage the paint finish. Do not use steam, power washers, jetting water, or any form of water inundation. If necessary vacuum out the interior to remove any debris such as paper packaging or other foreign objects. Do not probe any openings or covers.

**NOTE:** The cabinet must not be cleaned while the fans are running. To disable the fans, disconnect the cabinet from the electricity supply.

**WARNING**



Wear protective gloves and work cautiously to avoid cut injuries.

### 4.2. Cleaning the condenser

This appliance uses a low maintenance condenser (see figures 9 and 10) that is less prone to blockage than previous types. However it must still be cleaned periodically, the frequency of which will be determined by the amount of dust in the environment. Regular examination is recommended. A partially or fully blocked condenser causes the cooling efficiency to be affected, increases electricity consumption and in the worst case can lead to a complete malfunction of the cooling system. For the warranty to be valid, the condenser/s must be clean. The user may call Rhino for support (a cost will be incurred) or the following procedure can be adopted:

Step 1: Please take care to observe any working at height safety restrictions that apply.  
A full workplace safety risk assessment is required before beginning this operation.

Step 2: Disconnect the appliance from the mains power supply.

Step 3: Using a screwdriver, remove the screws that fasten the top cover to the body of the cabinet and carefully lift away the cover.

Caution! Many of the exposed surfaces may be hot and a risk of burns to the skin is present. Allow the appliance to cool off prior to commencing work. Also, the exposed surfaces may have sharp edges and a risk of a cut to the skin is present. Take appropriate precautions.

Step 4: The condenser is highlighted in the photograph and it should be clean, free from dust, debris and any obstructions.



---

Step 5: Take a soft brush and sweep the condensers clean. The condenser is a very delicate component and it is easily damaged. Only use a soft brush. Do not use a stiff brush or a wire brush. If the condenser is contaminated with grease, a fire hazard is present and a professional must be called to do the cleaning. Do not use water or steam.



Figure 9



Figure 10

Step 6: Using the nozzle of a vacuum, please remove all the dust and debris from the compressor compartment.

Step 7: Refit the cover and re-fasten all of the screws to secure it in position.

Step 8: Re-connect to the mains power.

## 5. Service and Spare parts

In the event of a malfunction, please disconnect from the mains power supply and contact the dealer from whom you purchased the appliance. Please have the model number and serial number to hand. The appliance must only be repaired by an appropriately qualified and skilled professional in possession of all the required licences required for work on a refrigerating appliance with R290 hydrocarbon refrigerant.

If spare parts are required, please always insist upon genuine Rhino parts.

## 6. Disposal of Equipment at End-of-Life

At the end of its service life, the appliance must be recycled by a professional organisation in accordance with all local laws and regulations. The appliance contains flammable refrigerant within its sealed system and also within the insulation foam. If in doubt, please contact Rhino or your Local Authority.

### WARNING



R290 and Cyclopentane are highly flammable

## Contact

**Staycold Export Ltd.**  
Hawarden Business Park  
Hawarden  
Deeside  
Flintshire  
United Kingdom  
CH5 3US  
[www.staycold.co.uk](http://www.staycold.co.uk)  
Tel: +44 1244 321320  
Email: [sales@staycold.co.uk](mailto:sales@staycold.co.uk)