



MISTRAL M60, M90 & M135 BOTTLE COOLER

**Installation, Operating and Servicing
Instructions**



Please make a note of your product details for future use:

Date Purchased: _____

Model Number: _____

Serial Number: _____

Dealer: _____

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WARRANTY

These bottle coolers are guaranteed by Lincat/IMC for 2 years from the date of purchase from Lincat/IMC, or from one of its stockists, dealers or distributors. The guarantee is limited to the replacement of faulty parts or products and excludes any consequential loss or expense incurred by the purchaser. Defects which arise from faulty installation, inadequate maintenance, incorrect use, connection to the wrong electricity supply, or fair wear and tear, are not covered by the guarantee.

The guarantee applies in this form to installations within the United Kingdom. Export units carry 2 years "parts only" warranty.

Please observe these instructions carefully.

DELIVERY

The packaged machine consists of:

M60 Bottle Cooler containing: Shelf (Full size) Shelf clips Sets of keys	 2 8 2
M90 Bottle Cooler containing: Shelf (Full size) Shelf clips Sets of keys	 2 12 2
M135 Bottle cooler containing: Shelf (Full size) Shelf clips Sets of keys	 2 16 3
Instruction Booklet	1

Please notify both the carrier and the supplier **within 24 hours** of receipt if anything is missing or damaged.

Check that the correct machine has been supplied and that the voltage, marked on the rating plate, is suitable for the supply available. The rating plate is located internally on the right hand side of the unit.

INTRODUCTION

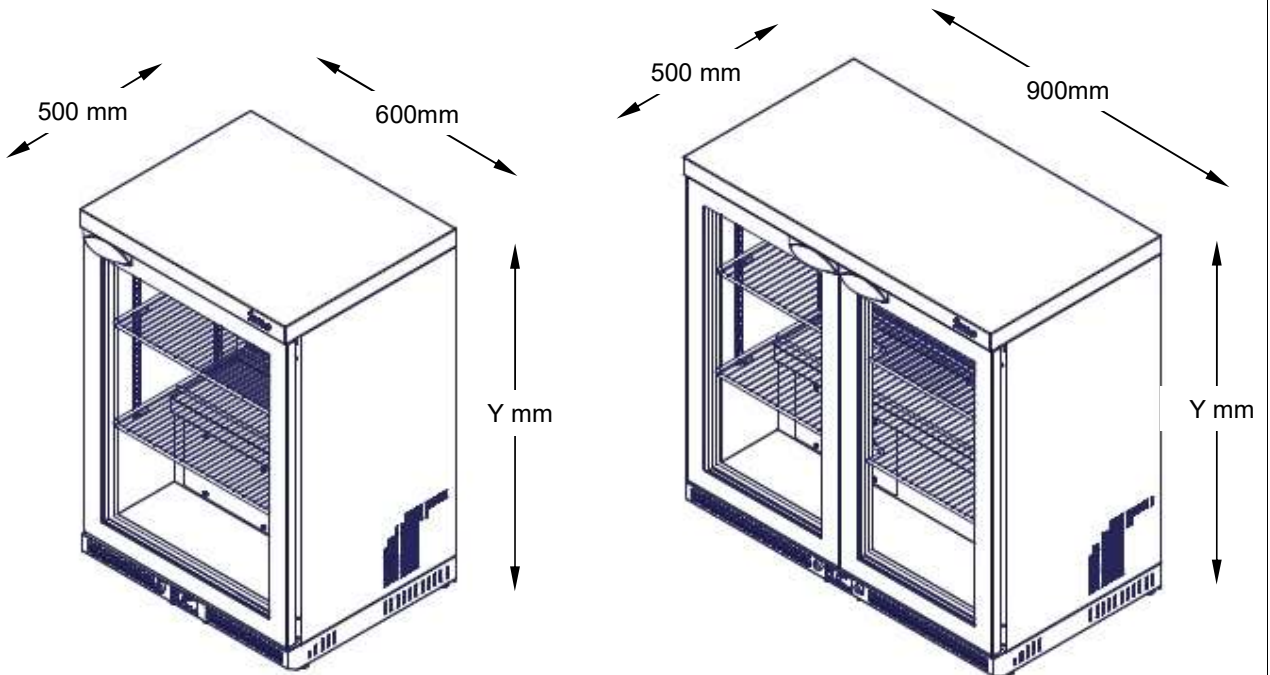
The Mistral M60, M90 and M135 are back-bar or under-bar refrigerators designed for the cooling and storage of beverages.

The following quantity of beverage bottles/mixers can be held in each unit:

Bottle Cooler	Capacity (330ml Bottles / 150ml mixer cans)
M60 (900h x 600w x 500d) std	120
M60 (850h x 600w x 500d)	72 / 48
M60 (800h x 600w x 500d)	72 / 48
M90 (900h x 900w x 500d) std	195
M90 (850h x 900w x 500d)	117 / 78
M90 (800h x 900w x 500d)	117 / 78
M135 (900h x 1350w x 500d) std	310
M135 (800h x 1350w x 500d)	185 / 125

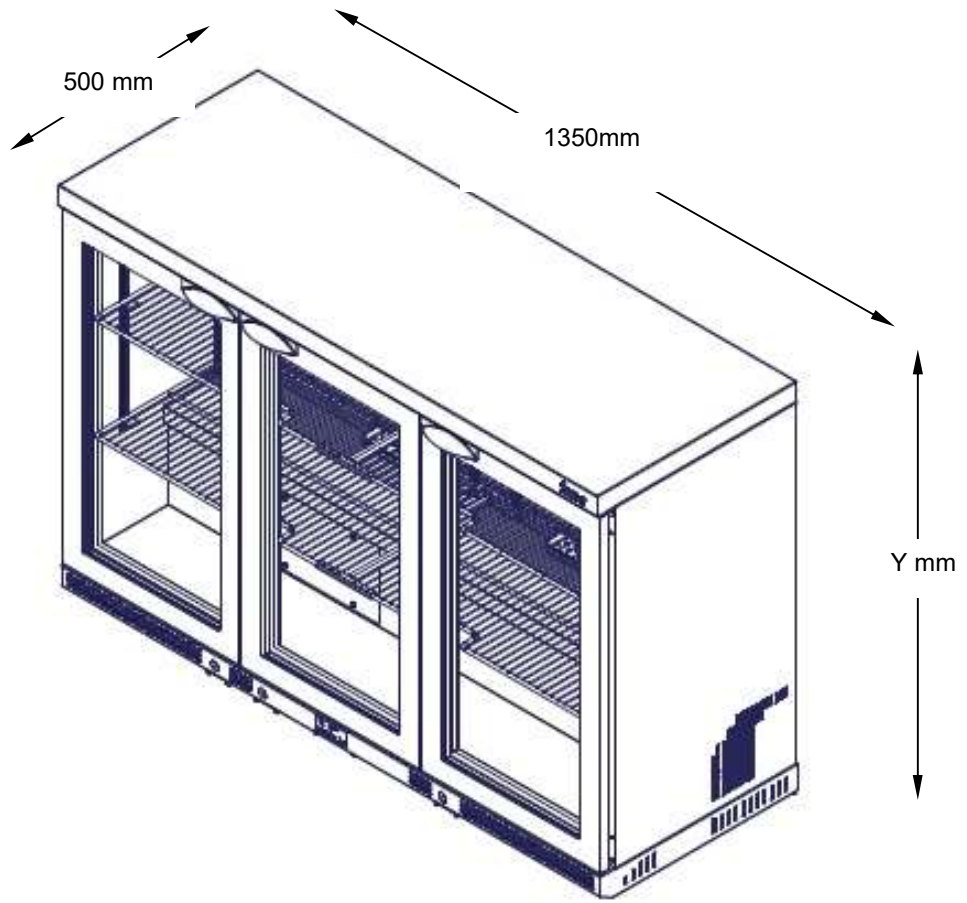
Mistral Dimensions:

MODEL	Y
M60 STANDARD	900
M60 850 SHORT	850
M60 800 SHORT	800
M90 STANDARD	900
M90 850 SHORT	850
M90 800 SHORT	800
M135 STANDARD	900
M135 800 SHORT	800



M60

M90



M135

INSTALLATION

For the Installer

These Instructions contain important information designed to help the user obtain the maximum benefit from their investment in a Lincat/IMC Mistral Bottle Cooler.

Please read them carefully before starting work, and consult with the supplier in the event of any queries.

Be sure to leave this Instruction Manual with the user after installation of the machine is complete.

Procedure



WARNING

The following table shows the weight and the minimum quantity of people required to lift each unit:

Bottle Cooler	Net Weight	Quantity of People
M60 (all variants)	57.5 kg (max)	2
M90 (all variants)	76.5 kg (max)	4
M135 (all variants)	125 kg (max)	4

Install the unit on a flat and level floor.

Ensure a minimum 10mm clearance either side of the unit, there is to be a minimum 20mm clearance at the top of the unit and a minimum 60mm clearance at the back.

The M135 is supplied on castors to aid installation and cleaning.

Do not install the unit close to a heat source such as a radiator or a warm air outlet. Ensure that the unit is standing level by adjusting the feet on the base of the unit.

The unit has an automatic defrost cycle and evaporates all the condensate water without the need for a drainage system.

NOTE!

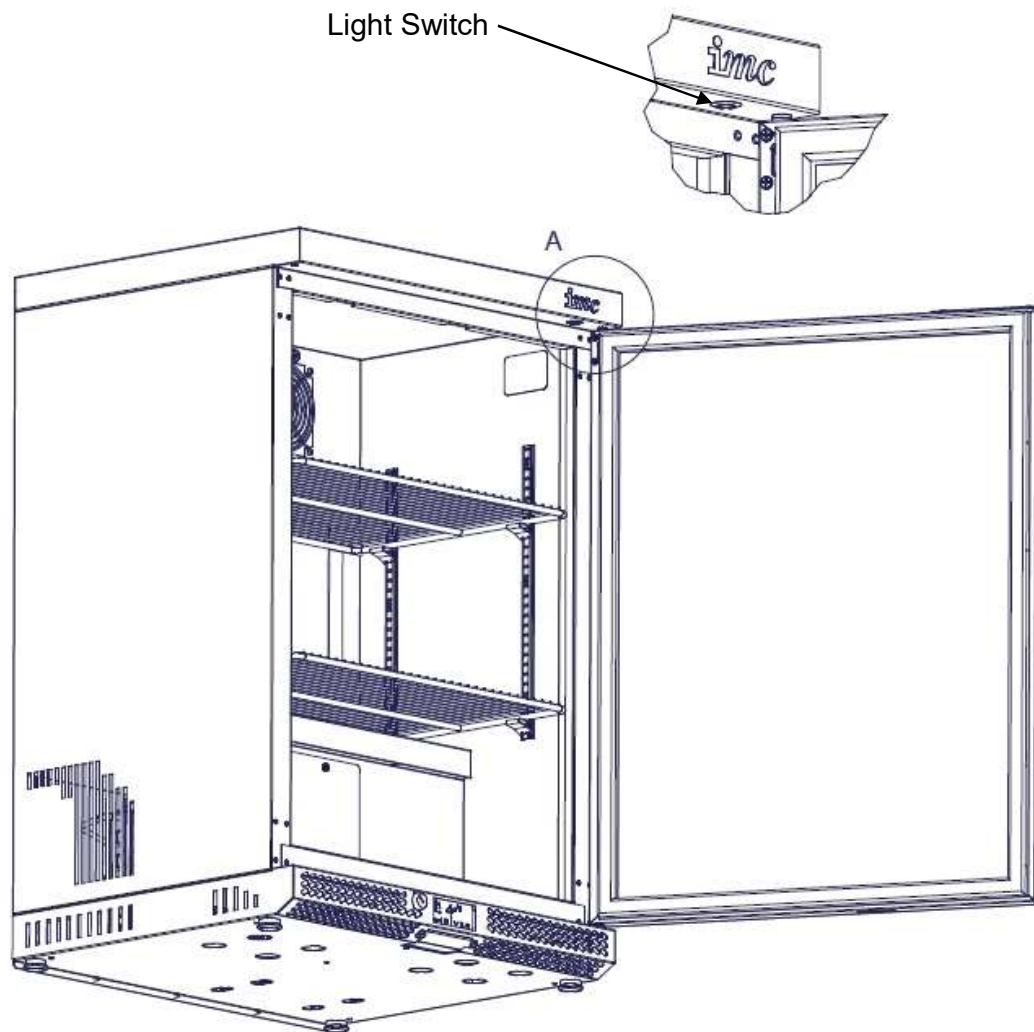
The castors on the M135 are to aid installation only. The machine is not designed to be used as a mobile unit. It is important to install the Bottle Cooler on a flat surface. This ensures that the doors are level. Adjustment is provided via the feet, to enable the installer to level the cabinet. Engineer Call-outs in order to level Bottle Coolers, will not be covered under warranty.

TURNING LED LIGHTS ON-OFF

The cabinet is illuminated by a LED light unit, this light can be turned on or off by depressing the switch that is located on the underside of the worktop.

To access this switch the door must be opened (the right hand furthest door on the M90 & M135 units).

When the switch is flush the lights are on.

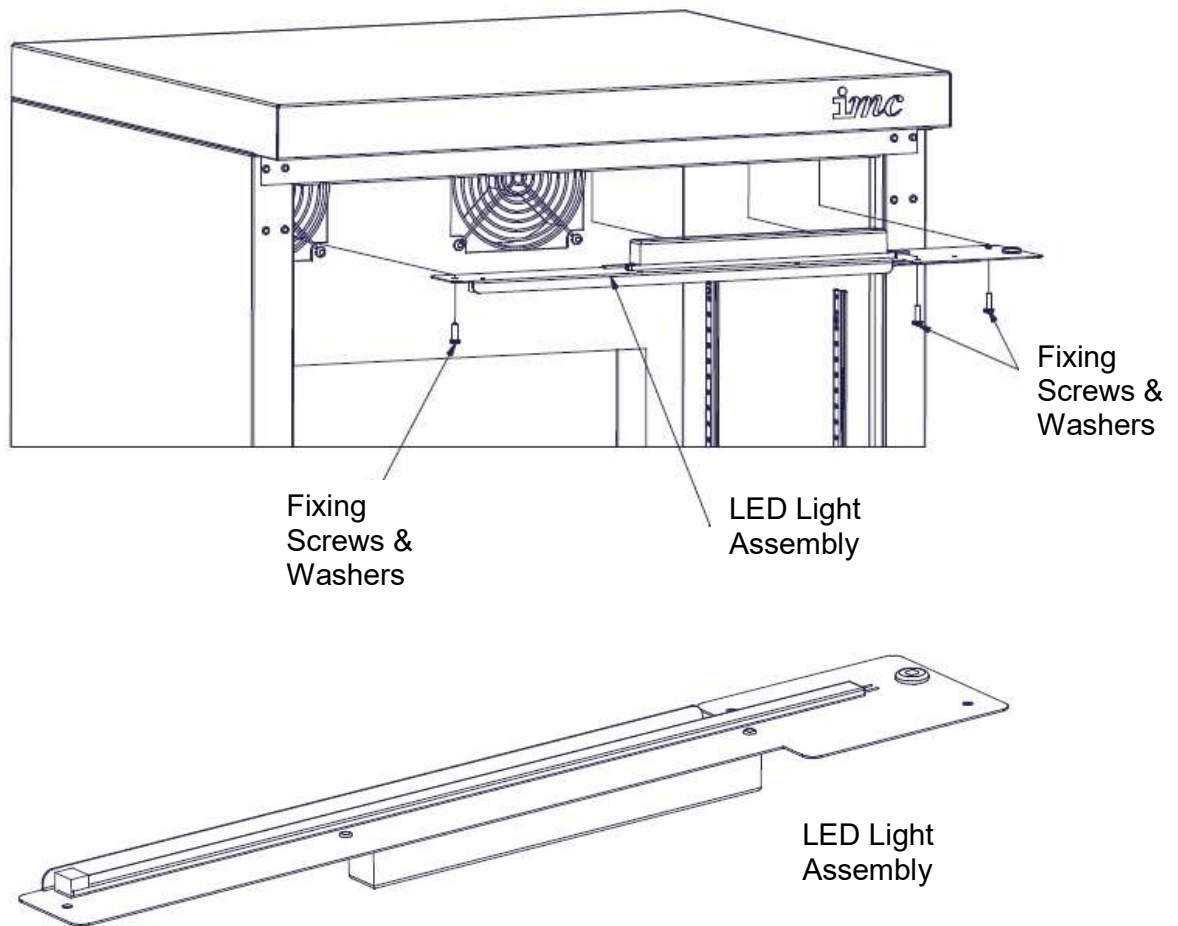


CHANGING A LED LIGHT ASSEMBLY

The cabinet interior is illuminated by a LED light strip fitting located at the front of the top inner panel.

To change the light assembly:

- Ensure the mains power to the unit has been turned off.
- Open the front cabinet door(s).
- Unscrew the screws holding the LED assembly in place.
- Carefully lower the LED assembly down and disconnect the 2 wires from the unit.
- The LED light assembly should now be free to fully remove from the unit.
- To fit the replacement unit.
- Place the new LED light assembly inside the unit, re connect the 2 wires from the unit to the new LED light assembly.
- Re fit the LED light assembly inside the unit by using the screws.
- Re-connect the mains power and ensure the light illuminates by means of the switch.



ELECTRICITY SUPPLY CONNECTION

Position the unit in the chosen site. The electricity supply connection should be made to a power outlet socket or isolator mounted on the wall close to the machine. This socket or isolator must be accessible once the machine is installed. Before connecting, check that the voltage shown on the rating label is correct for the electricity supply you have available. If the plug does not fit your sockets or a longer lead is required, changes must be made by an approved electrician.

NOTE: The plug is fitted with a 10amp fuse.

The plug fuse cover must be refitted when changing the fuse. In the event of losing the fuse cover the plug must NOT be used until a replacement fuse cover has been obtained and fitted or the plug replaced.

WARNING: This machine must be earthed

Should the supply cord become damaged then a replacement must be fitted by an approved electrician. The IET Codes of Practice must be observed.

The wires in the mains lead are coloured in accordance with the following code:

Green and yellow	Earth
Blue	Neutral
Brown	Live

COMMISSIONING

Before using a bottle cooler for the first time, the interior should be wiped out with a clean damp cloth.

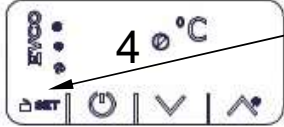



Allow the machine to stand for 1 hour to allow the refrigerant to settle. Plug in and switch on at the wall socket. There is no separate switch to turn on the machine. The compressor will start running less than one minute after the supply is switched on.

Check that the light is working, and check the switch is operating correctly.

Run the unit empty, and check that cold air is being circulated within the cabinet.

CHANGING THE CONTROLLER SET POINT

The electronic temperature controller is factory set to 4°C and will cycle the air temperature between 2°C and 6°C. The set point can be adjusted between 0°C and 18°C by following the button sequence below:

- 1)  Press SET the current SET Point will be displayed, if Loc is displayed then the controller is locked, to unlock press and hold the SET button for 3 seconds, UnL will then be displayed.
- 2)  Press SET button and the current set point temperature will be displayed.
- 3)  Use the UP and DOWN buttons, to scroll to the desired set point temperature (min 0°C, max 10°C).
- 4)  Press SET button to accept.
Then press stand-by button to esc. Display will revert back to current internal air temperature.

USING YOUR BOTTLE COOLER

This unit is for cooling bottles and cans only. Do not load the cabinet with boxed goods as this prevents air circulation and the goods will not cool down as quickly. While loading ensure that the interior grilles are not obstructed by the bottles.

Do not place hot or warm goods in the cabinet. Only goods at room temperature or less should be placed in the unit, otherwise performance will be affected. It is recommended that the cabinet is stocked after closing at night or first thing in the morning to allow time for the bottles to cool. Ensure that stock is rotated by placing new stock at the back of shelves or in one side of the cabinet to ensure that colder bottles are served first.

Do not leave the doors open when the unit is running as this causes the evaporator to ice up, preventing the unit from operating efficiently.

Ensure that the front grille is always unobstructed.

CLEANING

Clean doors and surfaces as required, occasionally remove all merchandise and clean interior surfaces with a clean damp cloth.

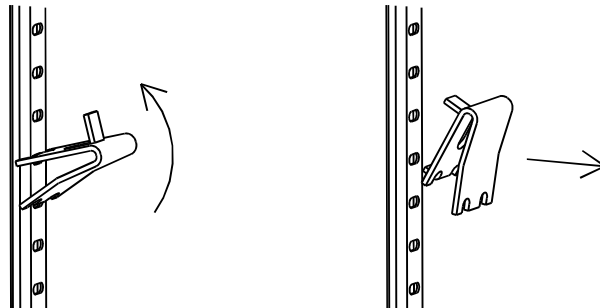
DO NOT USE CLEANING MATERIALS CONTAINING ABRASIVES OR BLEACHES.

In the case of heavy soiling use a mild liquid detergent. The unit can be washed on the inside using bicarbonate of soda to remove stale smells.

CHANGING SHELF POSITION

The shelves in all Mistral units are fully adjustable. To adjust the shelves:

- Remove the shelf.
- Unclip the shelf supports as shown below.



- Hook the shelf supports in the required location.
- Ensure all shelf supports are at the same height for a level shelf. The support strips are numbered to aid positioning.
- Replace the shelf.
- On the shelves in the M135 ensure that the clips are in position on the front covering the join (it should be a tight fit if not squeeze the clip slightly to give a better fit).

Extra shelves are available from Lincat/IMC.

MAINTENANCE

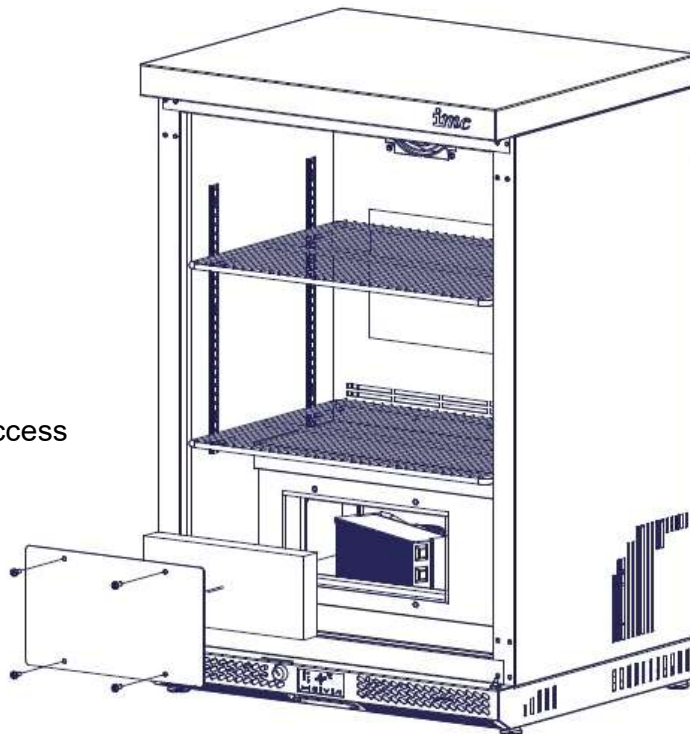
Warning



Never service, repair or troubleshoot a unit unless you are a professional air conditioning / refrigeration service person. Improper servicing can lead to serious injury or death from fire, electric shock or explosion.

Remove the service panel and insulation block inside the cabinet after switching the unit off from the mains supply. Clean the compressor coil with a brush and vacuum cleaner. THIS MUST BE DONE every three months or when dirty (whichever is sooner). Re-fit the insulation and service panel and secure with the original screws. Once the service panel has been re-fitted clean the grille at the bottom front of the cabinet. Re-connect the power supply and check that unit returns to normal operation.

Service / access
panel



Other than regular cleaning the unit requires no maintenance by the end user. It is recommended that the unit is serviced by a Lincat/IMC approved engineer at least once a year.

Details of IMC Service Contracts are available on application.

DO'S AND DON'TS

- Do** Install on a level surface.
- Do** Ensure plug is accessible with the unit installed.
- Do** Regularly clean the condenser and compressor.
- Do** Rotate stock of bottles.

- Don't** Sit or stand on the unit worktop.
- Don't** Load with boxed goods.
- Don't** Leave the doors open.
- Don't** Cover the shelves with any protective materials which may obstruct air circulation through them.
- Don't** Install unit in direct sunlight.
- Don't** Block the air inlet grilles.
- Don't** Store food in the unit.
- Don't** Place hot or warm goods in the unit.
- Don't** Use the unit outside.
- Don't** Use mechanical devices to accelerate the defrosting process.
- Don't** Use electrical appliances inside the storage area, unless they are recommended by the manufacturer.
- Don't** Store explosive substances such as aerosol cans with flammable propellant in the appliance.

END OF LIFE DISPOSAL

At the end of its useful life the unit must be disposed of correctly and safely, to meet the requirements of EU legislation regarding the recovery of ozone depleting substances. The unit must be sent to a specialist recovery, recycling and disposal site that is licensed for the disposal of refrigerated equipment. Please note that the insulation in the Mistral range does not contain any ozone depleting substances. The refrigerant used in the Mistral M60, M90 and M135 is R290a.



Warning

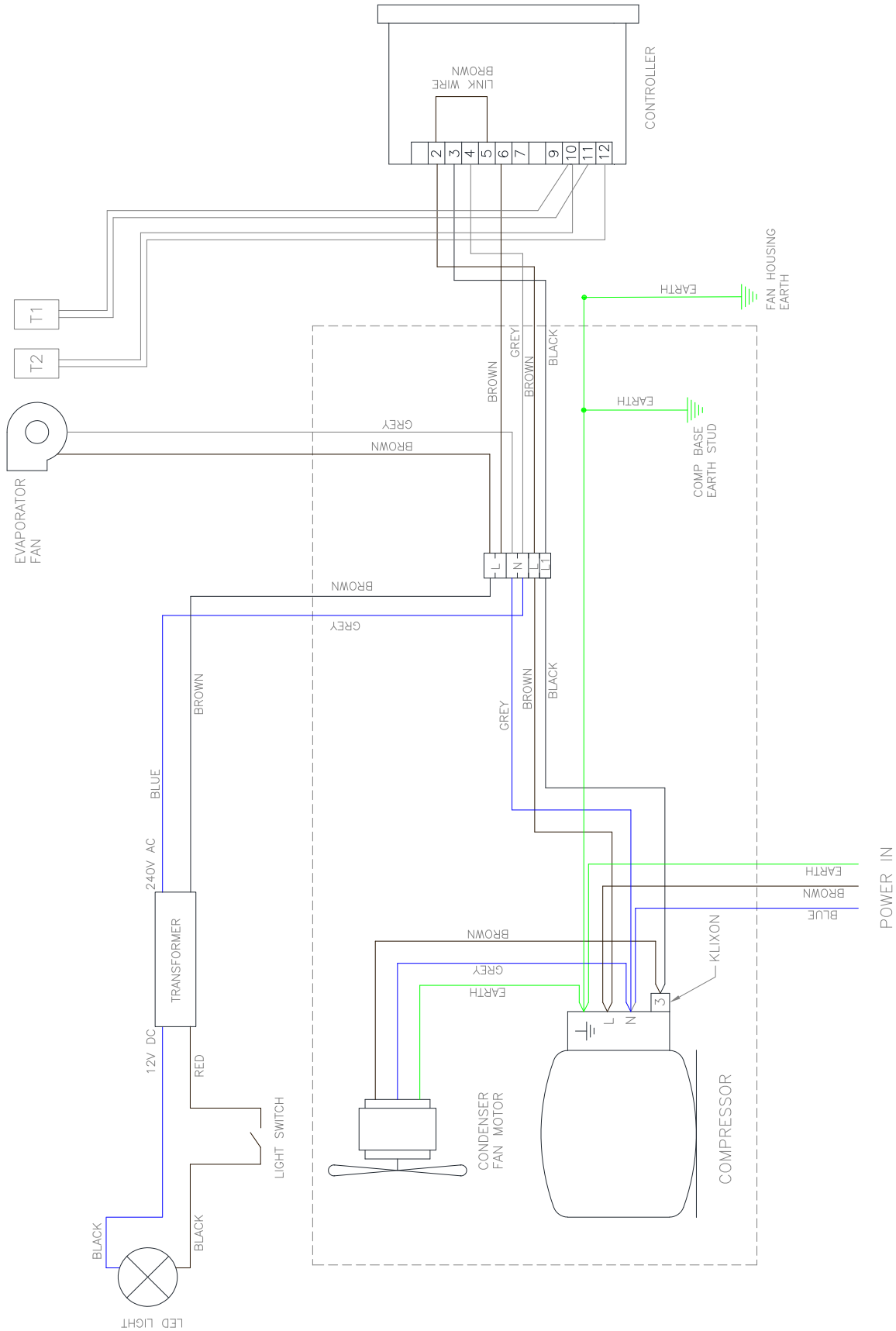
The refrigerant used in this Bottle Cooler is R290a and is Flammable

MATERIAL CONTENT

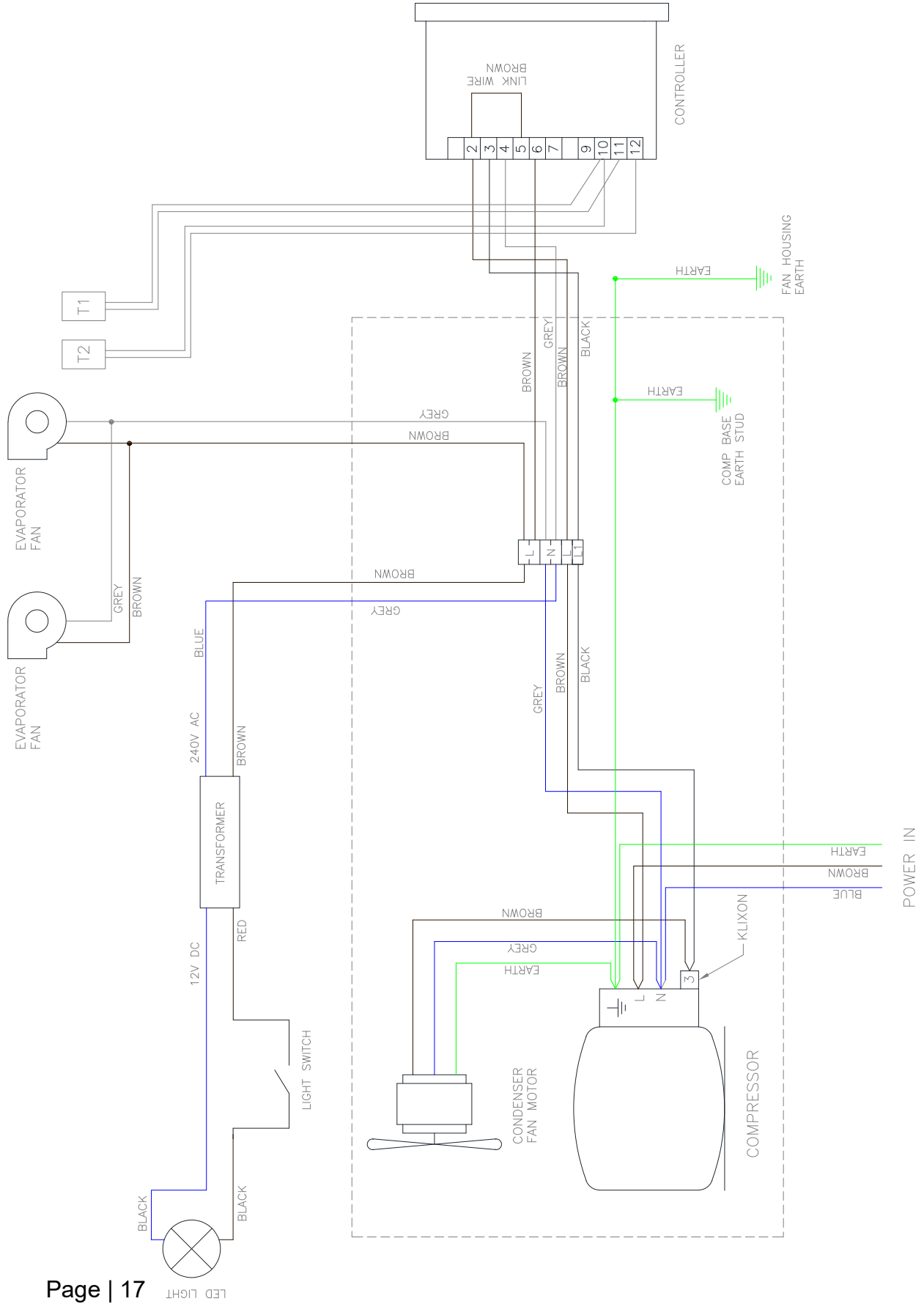
The Mistral units may contain a combination of the following materials;

Metals	Stainless Steel, Mild Steel (Inc. Nickel Plated, Chrome Plated & Zinc Plated), Aluminium and Copper.
Plastics & Rubber	PVC, Nylon, Polypropylene, Polycarbonate, Polyester, Acetate, Neoprene Rubber and Silicone Rubber.
Insulation	Polystyrene, Polyurethane Foam.
Oils & Gases	Ester oil, Refrigerant R290a.
Other	Glass, Magnesium Oxide, electronic components.

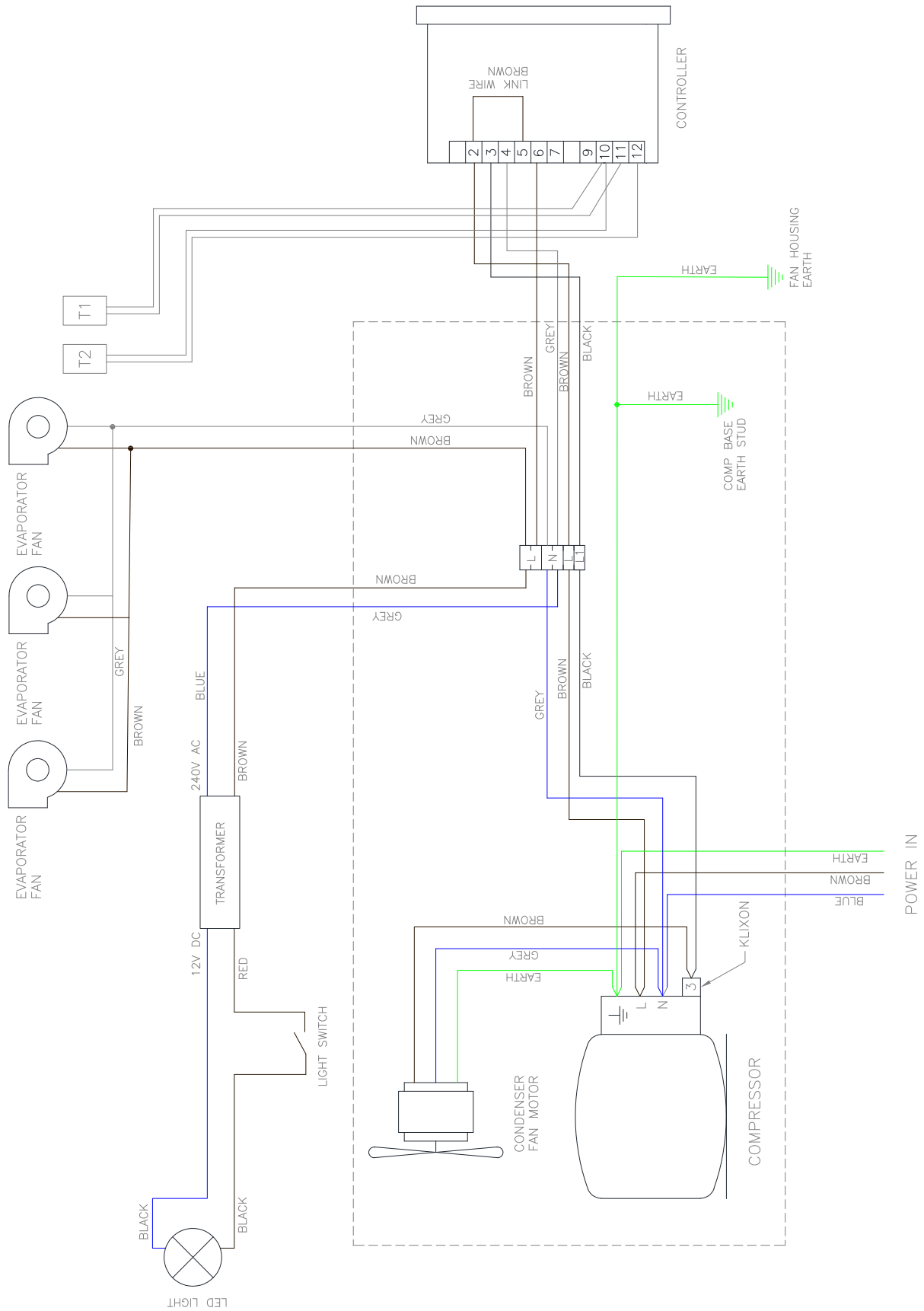
M60 WIRING DIAGRAM



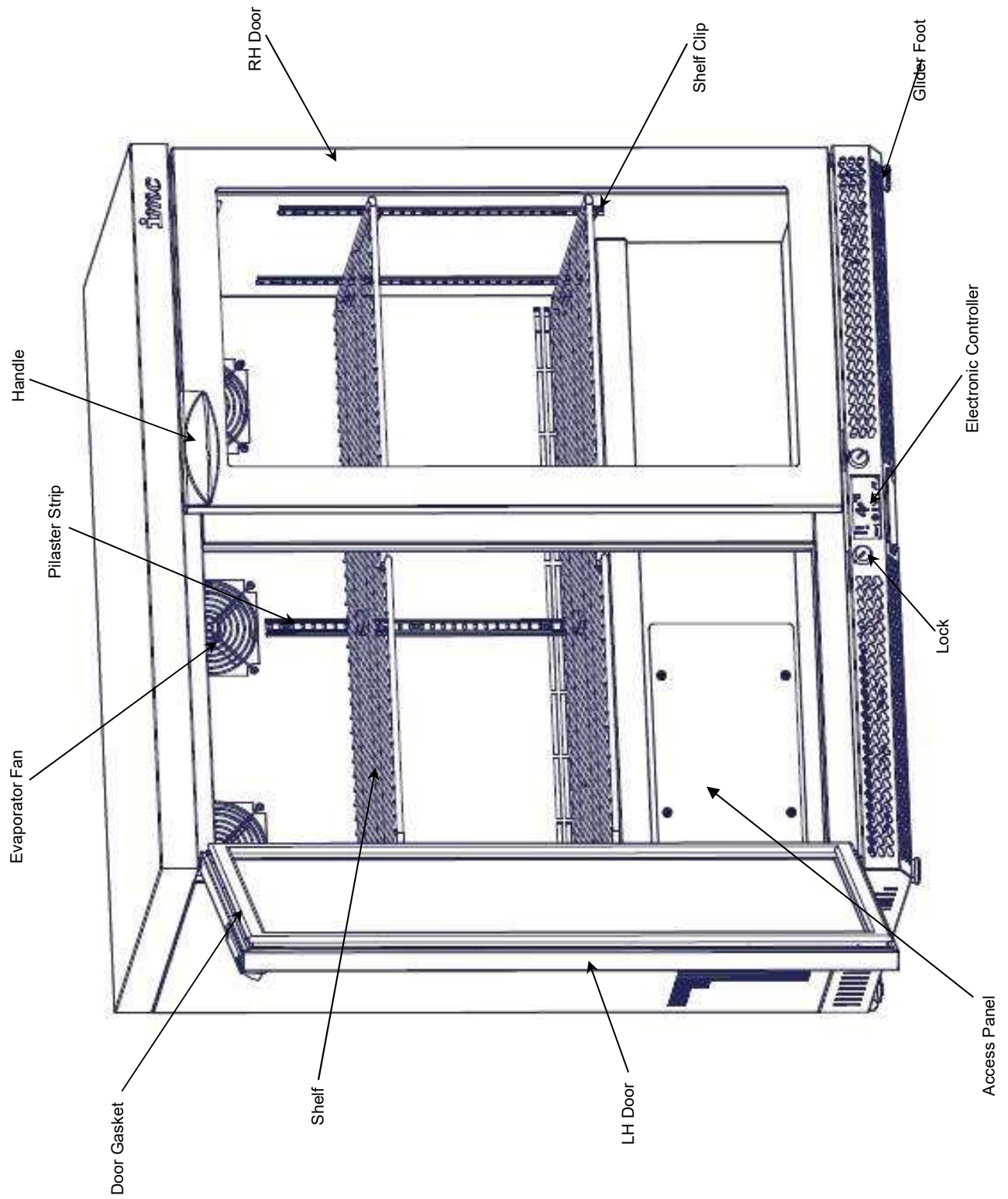
M90 WIRING DIAGRAM



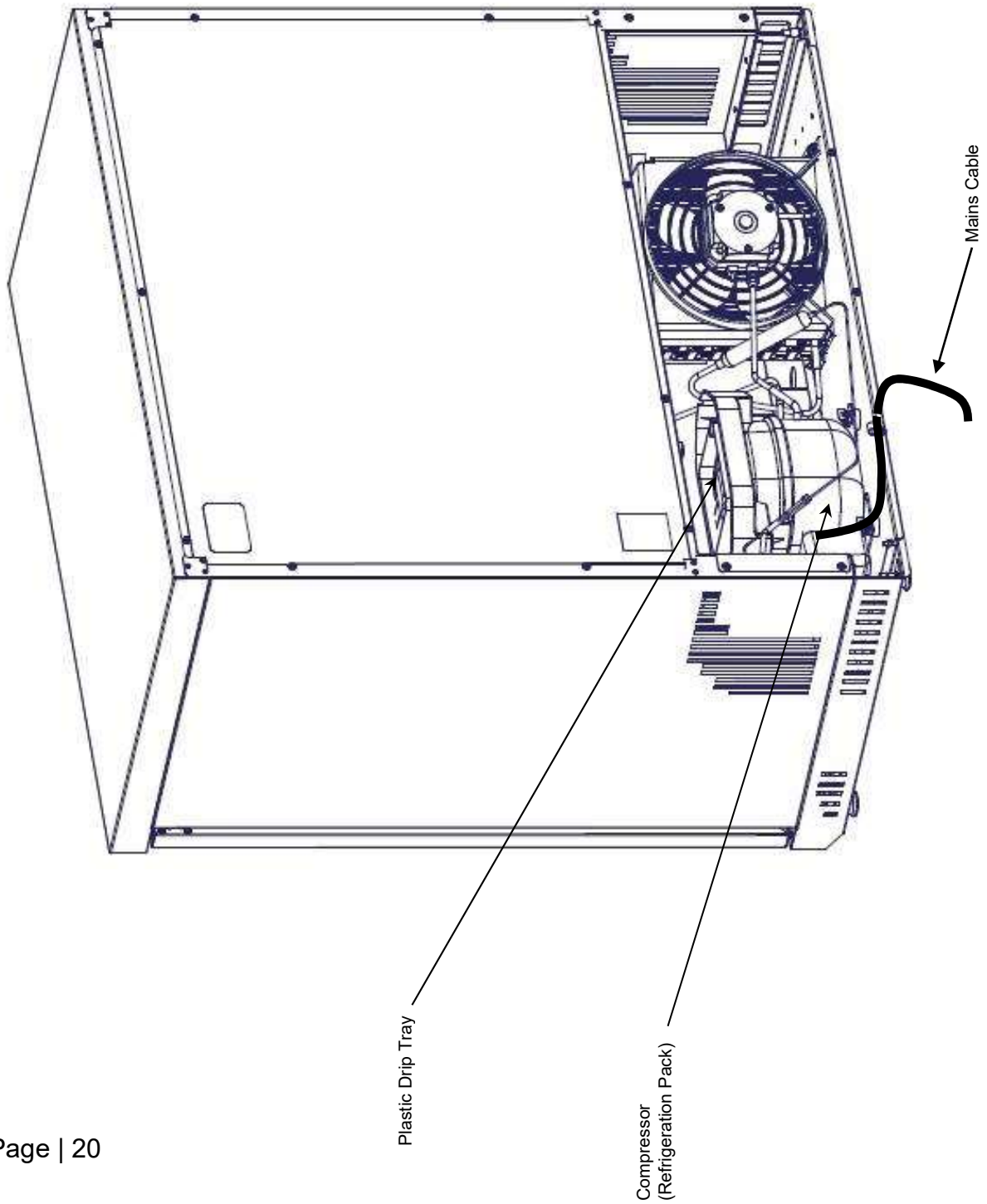
M135 WIRING DIAGRAM



SPARES IDENTIFICATION FRONT



SPARES IDENTIFICATION REAR



SPARE PARTS LIST

Mistral M60 – Series 13		Mistral M90 – Series 13	
Part No	Description	Part No	Description
A11/278	Door Gasket	A11/279	Door Gasket
A11/283	Door Gasket (850)	A11/285	Door Gasket (850)
A11/284	Door Gasket (800)	A11/286	Door Gasket (800)
A12/073	Pilaster Strip	A12/073	Pilaster Strip
A12/091 Z1	Shelf	A12/092 Z1	Shelf
A12/082	Wine Shelf	A12/051	Wine Shelf
S76/025	Perforated Shelf 60	S76/024	Perforated Shelf 90
A12/036	Shelf Clip (4 per shelf)	A12/036	Shelf Clip (6 per shelf)
A19/027	Glider Foot	A19/027	Glider Foot
A21/011	Lock, clip & keys	A21/011	Lock, clip & keys
E76/221	Access panel	E76/221	Access panel
G30/561	Electronic Controller (Red)	G30/561	Electronic Controller (Red)
G42/020	Plastic Drip Tray	G42/020	Plastic Drip Tray
G40/101 M6	Mains Cable	G40/101 M6	Mains Cable
G60/349	Mains cable EU plug	G60/349	Mains cable EU plug
S76/300	Refrigeration Pack	S76/301	Refrigeration Pack
S76/306	Refrigeration Pack 220V-60Hz	S76/307	Refrigeration Pack 220V-60Hz
J09/054	Condenser/fan motor assembly	J09/046	Condenser/fan motor assembly
J09/026	Evaporator	G40/239	Condenser Fan – Motor Only
J09/007	Service Drier	J09/045	Evaporator
X08/057 (2mtr)	Capillary 60	J09/007	Service Drier
G96/049	Evaporator Fan	X08/057 (3mtr)	Capillary 90
C46/001 Z	Door Handle (State Colour)	G96/049	Evaporator Fan
S76/250	LED assembly (white)	C46/001 Z	Door Handle (State Colour)
S76/253	LED assembly (red)	S76/251	LED assembly (white)
S76/256	LED assembly (blue)	S76/254	LED assembly (red)
S76/259	LED assembly (green)	S76/257	LED assembly (blue)
		S76/260	LED assembly (green)

Mistral M135 – Series 13

Part No	Description
A11/279	Door Gasket
A11/286	Door Gasket (800)
A12/073	Pilaster Strip
A12/099	Shelf
A12/102	Wine Shelf
E76/267	Perforated Shelf LH 135
E76/268	Perforated Shelf RH 135
A12/036	Shelf Clip (6 per shelf)
A19/027	Glider Foot
A21/011	Lock, clip & keys
E76/221	Access panel
G30/561	Electronic Controller (Red)
E77/123	Drip Tray 135
G40/101 M6	Mains Cable
G60/349	Mains cable EU plug
S76/302	Refrigeration Pack
S76/308	Refrigeration Pack 220V-60Hz
J09/046	Condenser/fan motor assembly
G40/239	Condenser Fan – Motor Only
J09/042	Evaporator
J09/007	Service Drier
X08/057 (2mtr)	Capillary V135
G96/049	Evaporator Fan
C46/001 Z	Door Handle (State Colour)
S76/252	LED assembly (white)
S76/255	LED assembly (red)
S76/258	LED assembly (blue)
S76/261	LED assembly (green)

ORDERING SPARE PARTS

In the event that spare parts or accessories need to be ordered, please always quote the SERIES AND SERIAL NUMBER of the machine. This is to be found on the rating plate located near the supply cable.

For installations outside the UK please contact your supplier.

For information on IMC spares and service support (if applicable), please call Lincat on +44 (0) 1522 875520. Alternatively, contact us via email:

Lincat Spares Desk

E-mail: spares@Lincat.co.uk

Lincat Service Desk

E-mail: service@Lincat.co.uk

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FURTHER INFORMATION

[HTTPS://LINCAT.CO.UK/BRANDS/IMC](https://LINCAT.CO.UK/BRANDS/IMC)

<https://www.youtube.com/watch?v=1hSfEPKi-fg>