



**KYSOR WARREN**  
eptarefrigeration

# SHUFFLE KW

## *INSTRUCTIONS*

### ***INSTALLATION INSTRUCTIONS***

N° DOC IM000217  
REV. "A" 01/10/2019



DOCUMENTAZIONE TECNICA		STATO DI REVISIONE CAPITOLO						IN CONFORMITA' CON ORIGINALE APPROVATO			
BANCO:	SHUFFLE KW	ORD.	DATA	DOC. INOLTRO	ORD.	DATA	DOC. INOLTRO				
N° DOC	IM000217	A	01/10/2019		D						
N° CAP.	-	B	29/09/2020		E				FOGLIO:	2	
CAPITOLO:	-	C			F						



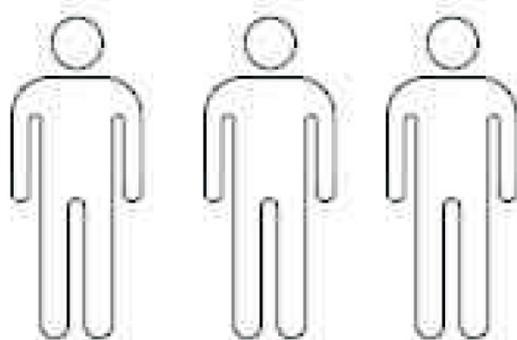
To reduce flammability related risks, installation of this equipment must only be carried out by adequately qualified staff.



For each operation, use gloves and safety shoes.



Installation of the equipment requires the presence of at least 3 people.



The tools necessary for installation will be mentioned in each point of the manual.



Do not ever touch or handle the appliance with bare feet or with wet hands and feet.



The refrigeration system is at high pressure.  
Don't tumper the system.

Consult professionally qualified personnel before to dismantle the cabinet.



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## SECTIONS AND DIMENSIONS

External dimensions (Width x depth x High) (inch) **79,3 x 33 x 83,5**

Gross volume (ft<sup>3</sup>) **62,82**

Net volume (ft<sup>3</sup>) **44,78**

Climate class **3**

Temperature classification  
**L1** (-13°F / 0°F)  
**M1** (30°F / 41°F)

Voltage (V) **120**

Frequency (Hz) **60**

Rated power (W) **-**

Rated current (A) **15,5**

Internal lighting standard / advanced (W) **-**

Compressor quantity **2**

Motorfan quantity **2**

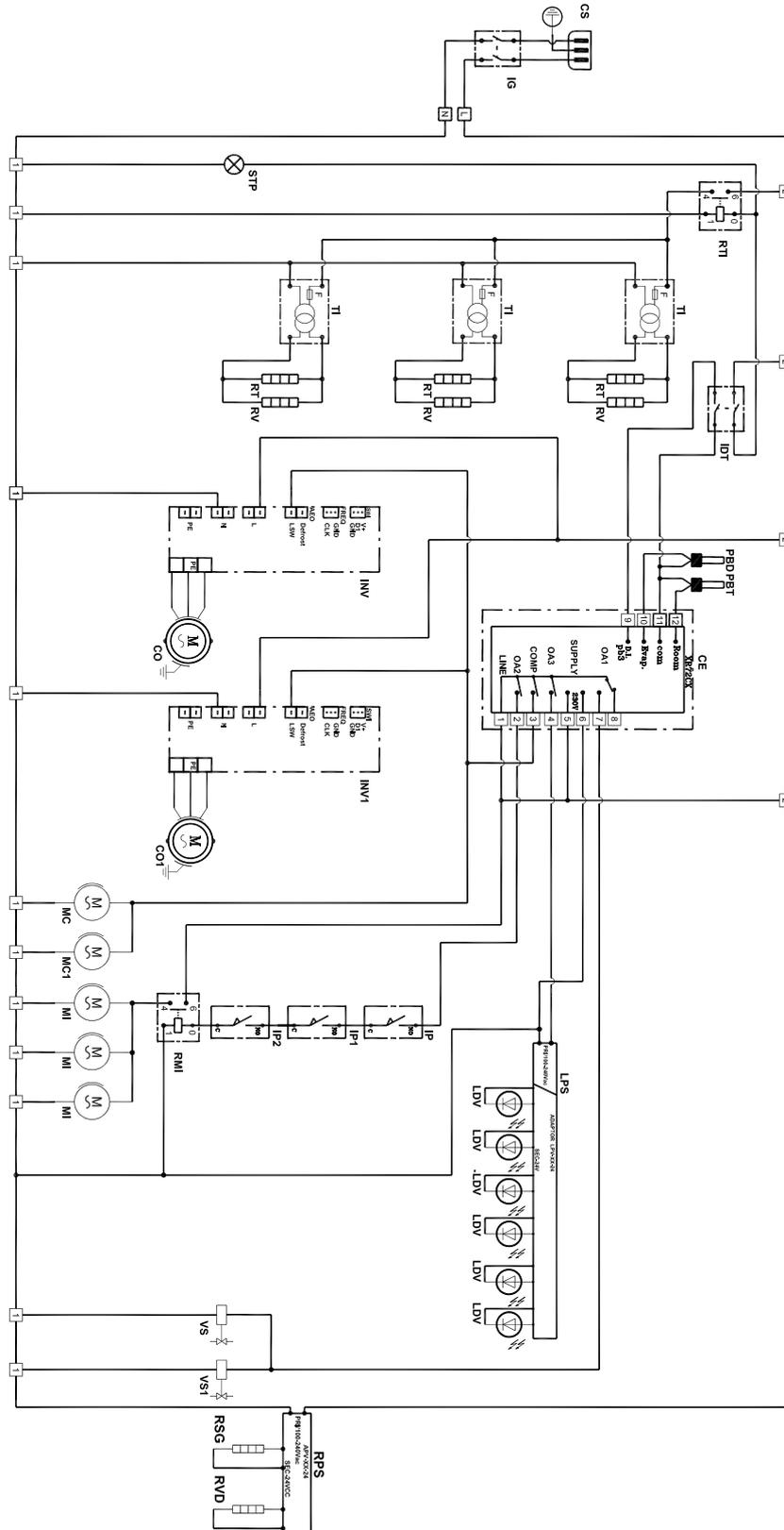
Net Weight (Lb) **897,28**

Gross weight (Lb) **1069,24**

Refrigerant (Oz) **R290 (9,52)**

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CAPITOLO:	-	<b>C</b>			<b>F</b>					

# WIRING DIAGRAM



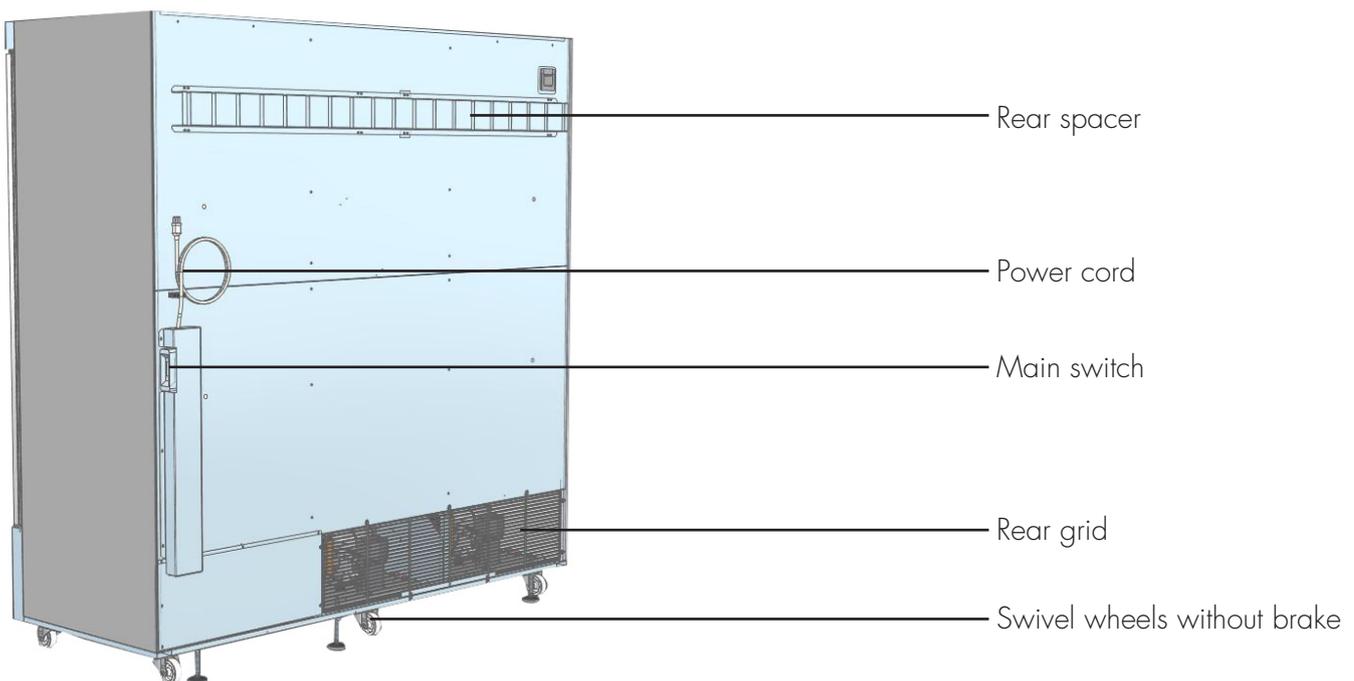
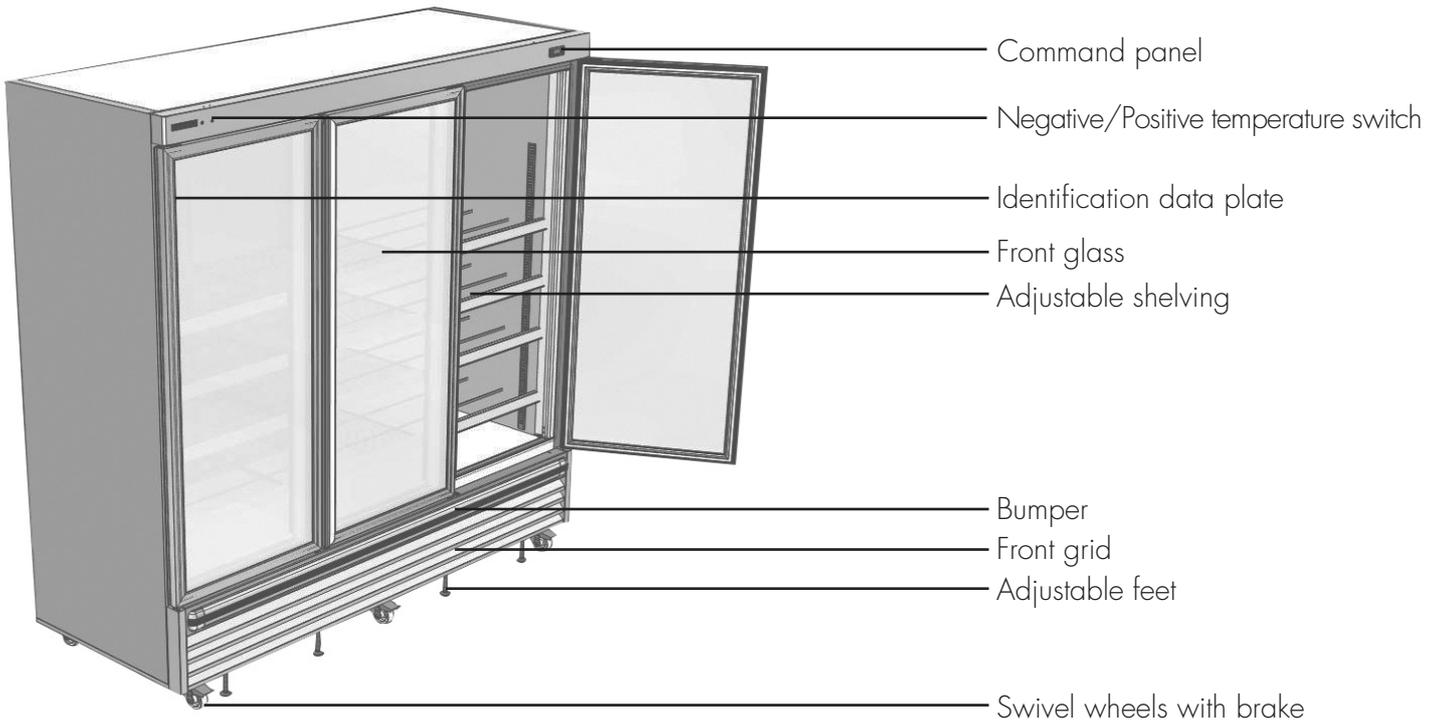
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## WIRING DIAGRAM

REF	DEVICE
<b>CE</b>	ELECTRONIC CONTROL
<b>CO / CO1</b>	COMPRESSOR
<b>CS</b>	PLUG CABLE
<b>F</b>	TRANSFORMER FUSE
<b>IG</b>	GENERAL SWITCH
<b>IDT</b>	POSITIVE TEMP RANGE SWITCH
<b>INV / INV1</b>	INVERTER
<b>IP/IP1/IP2</b>	EVAPORATOR MOTOR FAN SWITCH
<b>LDV</b>	TANK INNER LED LIGHT
<b>LPS</b>	LED POWER SUPPLY UNIT
<b>MC/MC1</b>	CONDENSER MOTOR FAN
<b>MI</b>	INNER MOTORISED FAN
<b>PBD</b>	DEFROSTING PROBE
<b>PBT</b>	TEMPERATURE PROBE
<b>RMI</b>	EVAPORATOR MOTOR FAN RELAY
<b>RTI</b>	TRANSFORMER RELAY
<b>RPS</b>	HEATER POWER SUPPLY
<b>RSG</b>	DRAINAGE PIPE HEATER
<b>RT</b>	DOOR FRAME HEATER
<b>RV</b>	DOOR GLASS HEATER
<b>RVD</b>	DECOMPRESSION VALVE HEATER
<b>STP</b>	POSITIVE TEMP. RANGE LIGHT
<b>TI</b>	ISOLATION TRANSFORMER
<b>VS/VS1</b>	DEFROSTING VALVE

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								FOGLIO:	7	

## GENERAL DESCRIPTION



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# UNPACKING AND MOVEMENT

## TRANSPORTATION

The display cabinet is contained in a specially crated package that enables transportation by the use of fork-lift trucks.

For each subsequent handling of the cabinet, the use of the wooden platform is recommended.

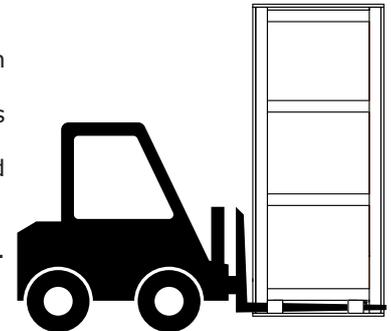
The unit is shipped anchored onto a wooden base and protected by corner posts, cardboard top and nylon wrapping.

It must only be handled using a fork lift truck with adequate power to the load.

Positioning the appliance horizontally or on its side or upside down is to be strictly avoided.

**Handling is reserved to the authorised after-sales service.**

The equipment **MUST** be kept vertical.



**The appliance, equipped or not with its packaging, must be carefully stored inside warehouses or premises protected from bad weather, atmospheric agents and direct exposure to sunlight at a temperature between 0 and +40 °C.**

## STORAGE AND DISMANTLING

**WARNING! Use protective gloves during unpacking and installation operations.**

During unloading and movement operations, avoid tilting the machine and avoid sudden manoeuvres.

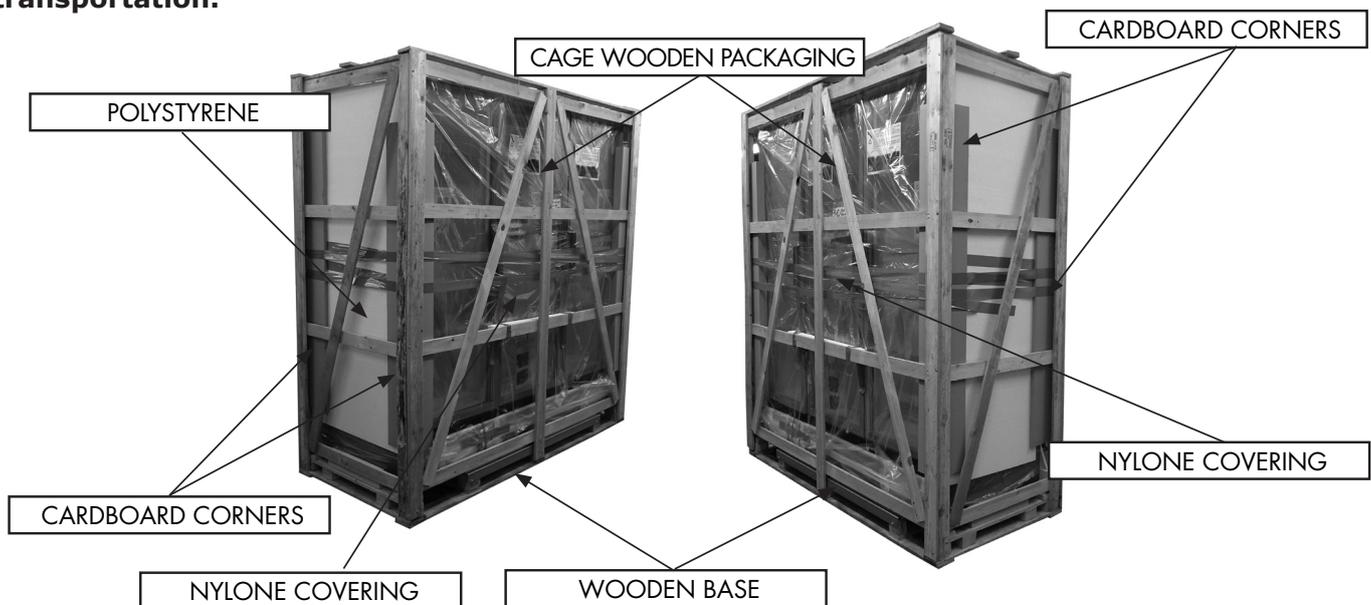
The unit is shipped anchored onto a wooden base and protected by corner posts, cardboard top and nylon wrapping.

Keep all packaging away from children.

For each subsequent handling of the cabinet, the use of the wooden platform is recommended.

Carefully remove the packaging, taking care not to damage the components and not to throw away those that will be needed for assembly.

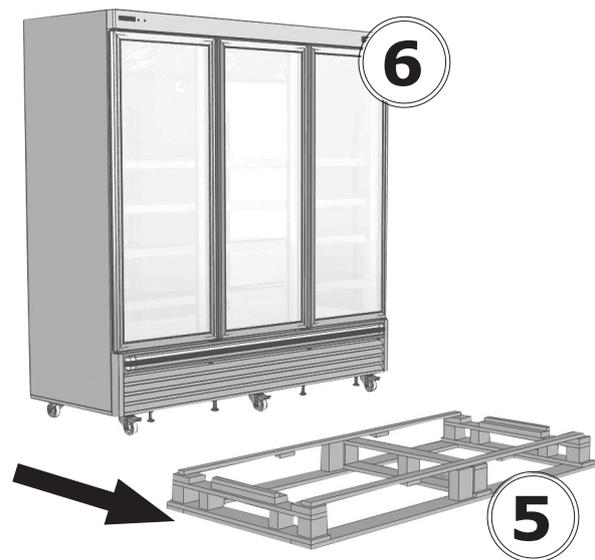
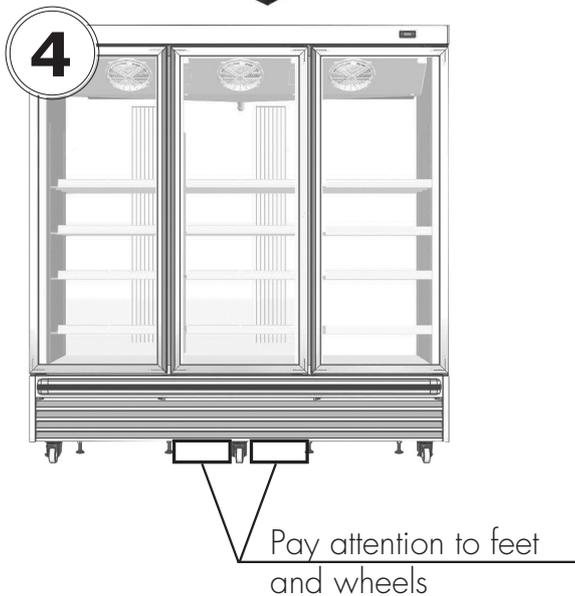
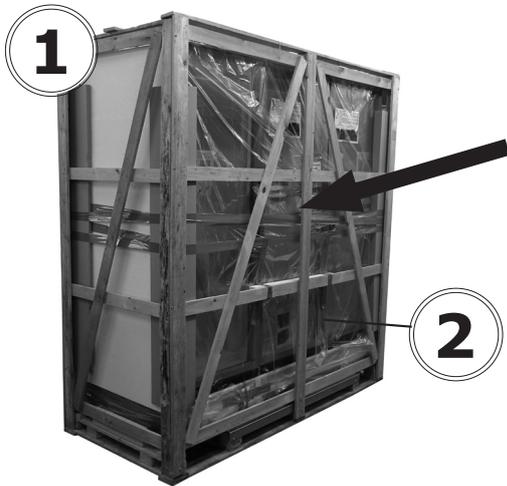
**ATTENTION! After unpacking, check that the appliance has not suffered damage during transportation.**



**To unpack the bench proceed as follows:**

1. Unscrew the screws and remove the wooden cage
2. Remove the plastic cover
3. Unscrew the reinforcement and remove the part of the base indicated in the figure.
4. Using forklift the bench.
5. Remove the wooden base.
6. Position the bench adjusting the feet.

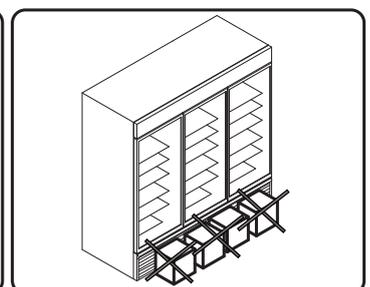
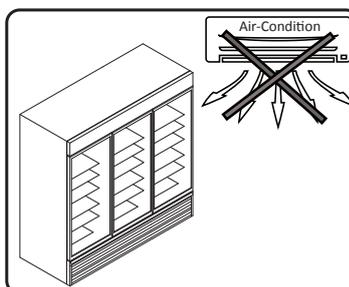
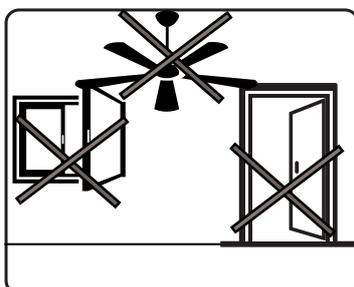
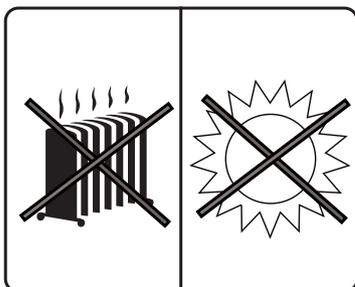
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										FOGLIO:	9



## **CHOICE OF THE INSTALLATION SITE**

In selecting the place of installation, ensure that the following instructions are observed, this being vital for proper and troublefree working of the cabinet:

- Do not install the cabinet in the vicinity of heating radiators or other heat sources.
- Do not install the cabinet where it is exposed to direct sun light (e.g. through windows).
- Do not expose the refrigeration unit to air currents from fans, open doors, conditioning units.
- Keep the air intake and outlet area around the plinth area of the cabinet clear of cartons and other obstacles.
- It is necessary that the condensing unit obtains a good circulation of air around it; also the area around the condensing unit should not be obstructed by boxes or other objects; keep a distance from the wall of **10 cm**. at least.



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## INSTALLATION

It is fundamental to comply with the distances indicated (cm) for correct installation of the equipment.

It is necessary that the capacitor unit is in the free air exchange condition, therefore the ventilation zones must not be obstructed by boxes or otherwise.

Install and position the unit in such a way so as to allow easy access to the power socket.

Never place containers of liquid on or immediately above the ticket counter; should the content spill out, it would damage the counter.

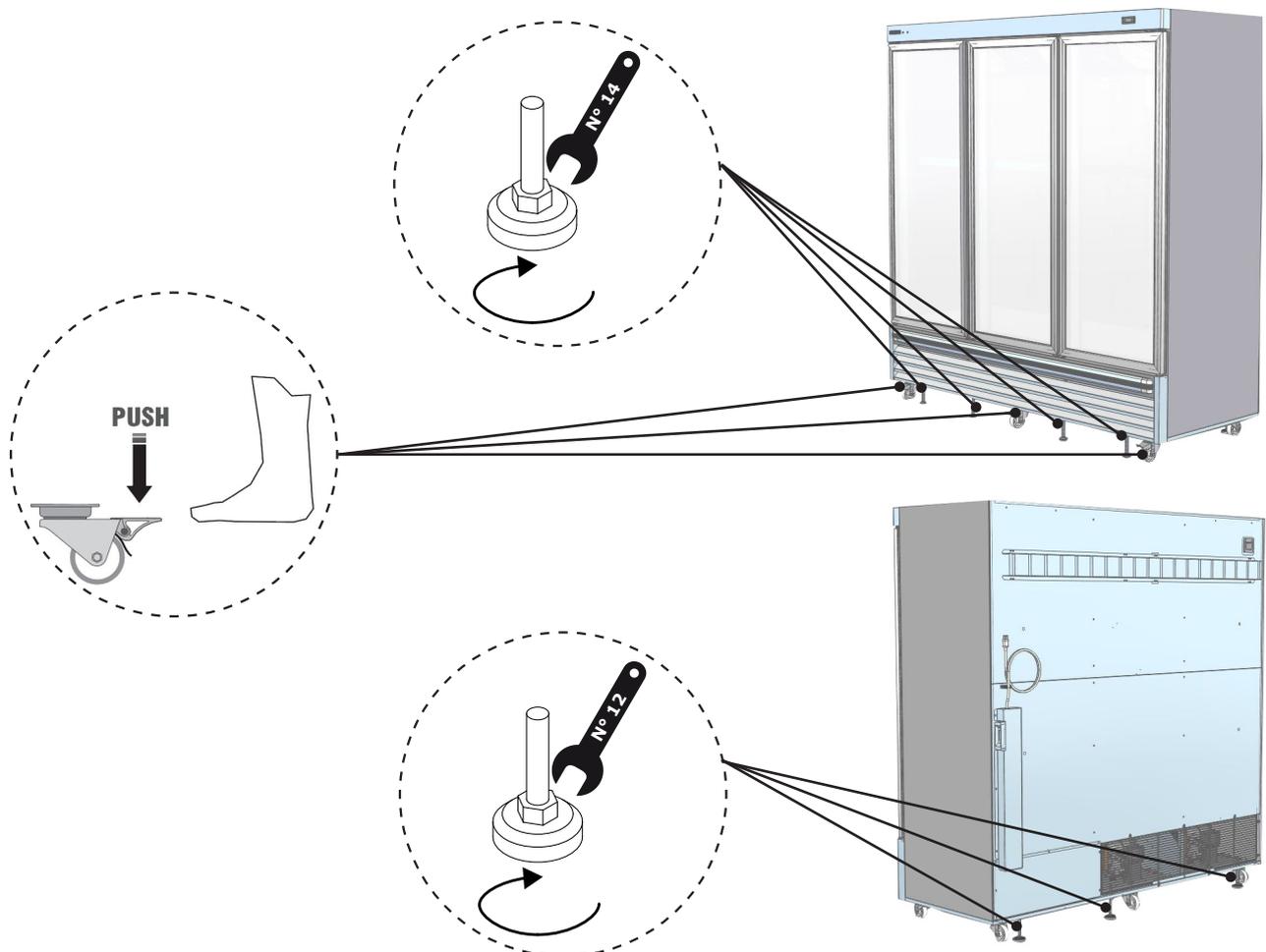
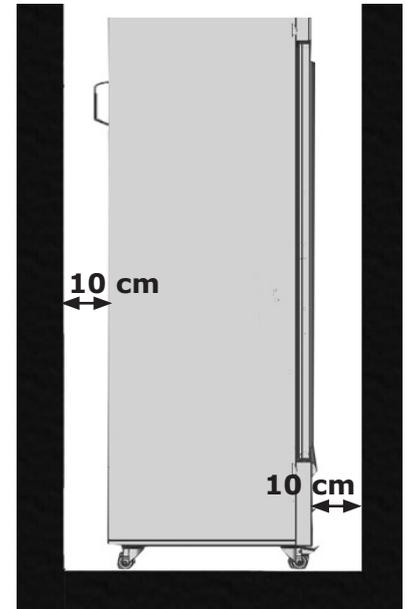
The measured sound pressure emanated A is below 70dB (A).

**These works must be completed before the start of electrical installation and before starting installation of the furniture.**

## POSITIONING

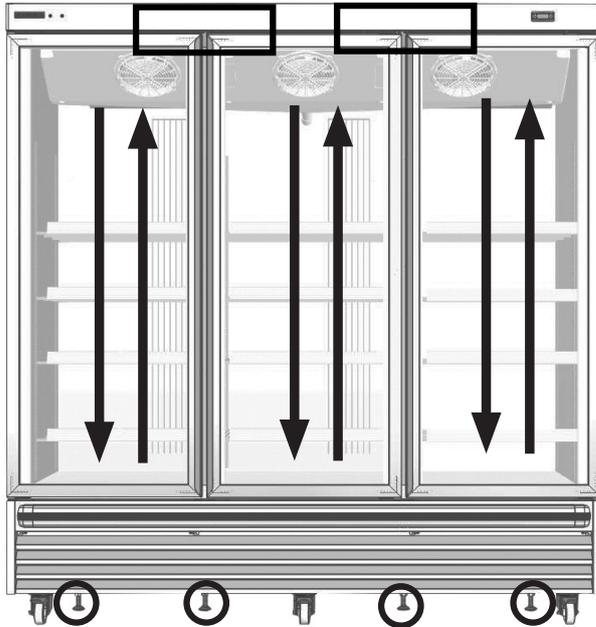
The equipment is fitted with 6 swivel wheels (3 with a brake) and adjustable feet for movement and positioning.

**It is strictly necessary after positioning to stabilise the equipment on the ground.**



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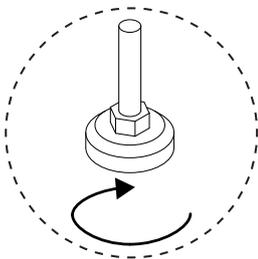
## COMPULSORY ADJUSTMENT ON EACH INSTALLATION



**CORRECT**



**WRONG**



Where present, adjust the front feet (using a pliers) to align the doors; the equipment should be arranged on a flat surface.

## FRONT GRID REMOVING/INSERTING



Unscrew



Removing/Inserting

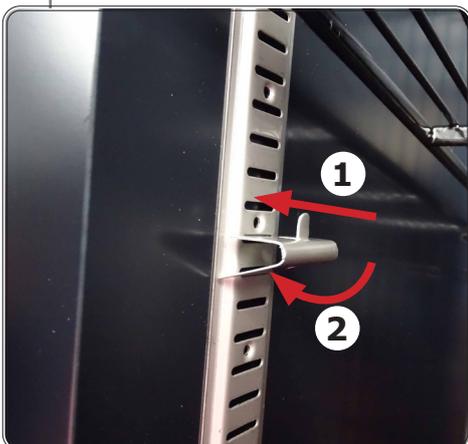
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CAPITOLO:	-	<b>C</b>			<b>F</b>			FOGLIO:	<b>12</b>	

## **BUMPER REMOVING/INSERTING**



Unscrew

## **SHELVING ASSEMBLY**



Never try to adjust the position of a shelf with products on it. Check the shelf is stable before placing objects on it.

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## PUTTING INTO OPERATION

If the cabinet has been sharply tilted while being sited or for mounting of accessories, it must be left to stand for at least three hours before being started to allow the lubricating oil to settle in the compressor. Failure to do so can cause total destruction of the compressor refrigerating system.



Check that the voltage on the identification plate is the same as that of the network.

**THE ELECTRICAL SUPPLY LINE TO WHICH THE REFRIGERATOR WILL HAVE TO BE CONNECTED IS TO BE PROTECTED BY A VERY SENSITIVE DIFFERENTIAL SWITCH (Rc=16A, Dc=30mA); IT IS ALSO TO BE LINKED TO THE GENERAL EARTHING PLANT. Earthing is necessary and compulsory by law.**

**Absolutely never use reduction units, patch cords, adapters or multiple socket outlets to connect the counter. DIRECTLY connect the equipment to the mains.**

The cable should be fully extended and located where it is unlikely to be struck, caught or stepped on, away from water and the other liquids and heat sources and must not be damaged.

In case of breakage of the power cable of the cabinet, it must be replaced by the manufacturer or by instruction it change of it.

Follow the manufacturer's instructions to install the unit, using qualified personnel and complying with the electrical regulations for the specific country. Incorrect installation may cause injury and damage; the manufacturer is not liable for this.

**The manufacturer disclaims all responsibility for any damage to people or things due to incorrect observance of this rule.**



## TEMPERATURE SETTING

Each refrigerating appliance is provided with an electronic control for automatic maintenance of the appropriate pre-established temperature inside the tank.

**This temperature adjuster is gauged by the factory and should not be touched by the user.**

Only if the average internal temperature is too cold or not cold you can increment or decrement the temperature:

- **Press the (Set) (2 sec.)** key in order to see on display the temperature set point.
- **Press the (^) key or the (v) key** in order to increment or decrement the temperature set point.
- **Press the (Set) key** in order to store the new temperature set point.



1. Light switch
2. Manual defrosting button (press for defrosting start)
3. Button to show set temperature
4. Button to decrease temperature
5. Button to increase temperature

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CAPITOLO:	-	C			F						

## SIGNIFICANCE OF THE CONTROL UNIT LEDS

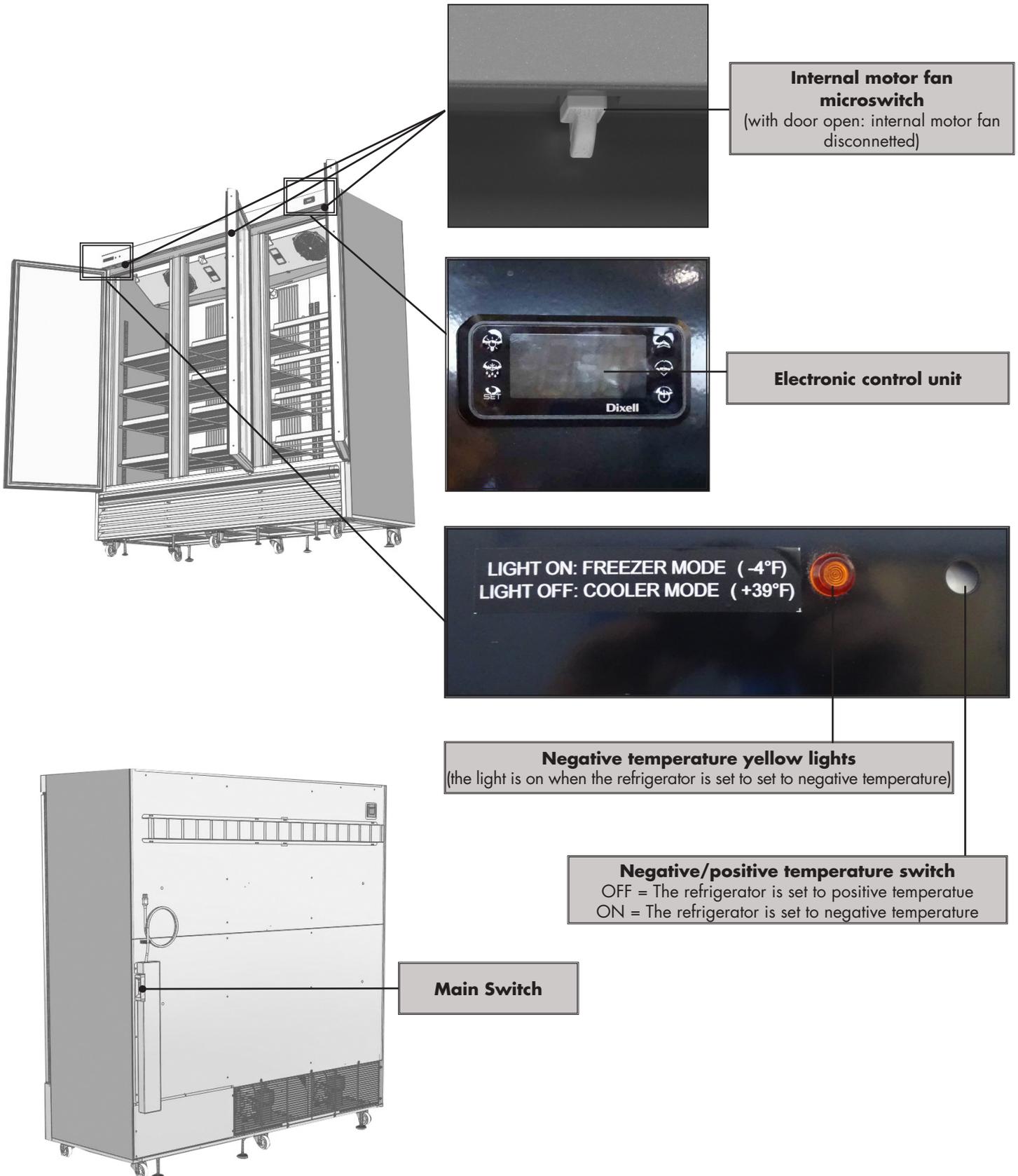
LED	MODE	MEANING
	ON Flashing	ACTIVE COMPRESSOR DELAY AGAINST CLOSE STARTS
	ON Flashing	DEFROSTING IN PROGRESS DRIPPING IN PROGRESS
	ON Flashing	FANS ON FANS START DELAY IN PROGRESS
	ON	A TEMPERATURE ALARM ACTIVATED
	ON	CONTINUOUS CYCLE IN PROGRESS
	ON	ENERGY SAVING IN PROGRESS
	ON	LIGHT ON
AUX	ON	AUXILIARY ACTIVE
°C	ON Flashing	UNIT OF MEASUREMENT PROGRAMMING
ECO	ON	ENERGY SAVING IN PROCESS

## ALARMS

CAUSE
"P1" ROOM PROBE FAILURE
"P2" EVAPORATOR PROBE FAILURER
"P3" THIRD PROBE FAILURE
"P4" FOURTH PROBE FAILURE
"HA" MAXIMUM TEMPERATURE ALARM
"LA" MINIMUM TEMPERATURE ALARM
"HA2" CONDENSER HIGH TEMPERATURE
"LA2" CONDENSER LOW TEMPERATURE
"EA" EXTERNAL ALARM
"CA" SERIOUS EXTERNAL ALARM
"dA" DOOR OPEN
"CA" PRESSURE SWITCH ALARM
"rtC" REAL TIME CLOCK ALARM
"rtF" REAL TIME CLOCK BOARD FAILURE

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## CONTROLS



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