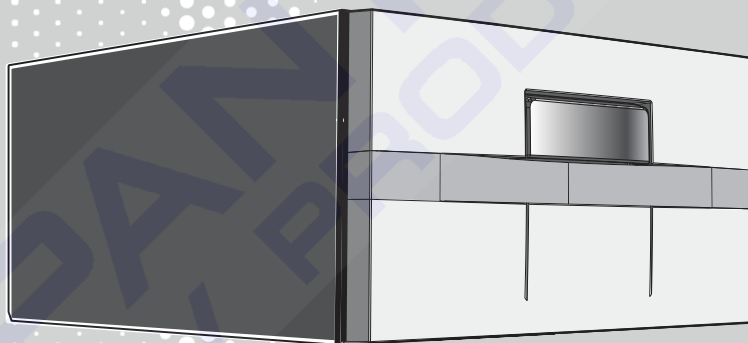


ENG

VITRIFRIGO

COOL AND BEYOND

INSTRUCTION MANUAL
COMPACT DRAWER
FRIDGES AND FREEZERS
D20A - D30A



THANK YOU FOR PURCHASING A VITRIFRIGO PRODUCT

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1. INTRODUCTION

Dear customer, thank you for choosing one of our products.

Vitrifrigo hopes that you will be completely satisfied with your purchase. This manual is considered an integral part of the refrigerator and must follow the sales path to the user.

The same can be consulted at the Vitrifrigo website www.vitrifrigo.com.

Each refrigerator, before being shipped, is thoroughly checked and tested to ensure it operates correctly. For further information or for any clarification, please contact one of our service centres or any of our offices directly.

Vitri Alceste

Models

D20A
D30A

2. INFORMATION FOR SAFETY

For a correct and safe use of the product, it is necessary to follow the instructions given in this manual.

The manufacturer shall not be held responsible for any damage resulting from failure to observe the warnings contained in this manual. The warnings and important safety instructions contained in this manual do not cover all possible conditions and situations that may occur. It is the user's responsibility to use the refrigerator properly, paying the utmost attention and taking great care during installation. The product is intended for use in domestic or similar applications, such as:

- kitchen areas for staff in shops, offices and other work environments
- customers in hotels, motels and other residential environments
- farmstays;
- bed and breakfasts;
- campers, caravans and pleasure boats.

The product is not intended for use by people with reduced physical, sensory or mental capabilities (including children under the age of 8) or lack of experience and knowledge, unless they are supervised or have been given instructions on the use of the appliance by a person responsible for their safety.

Children, in particular, should be supervised to make sure that they do not play with the product.

Read the labels on the product carefully, do not cover them for any reason and replace

them immediately if they are damaged. The refrigerant used in the refrigerator is R600a or R134a. To find out which refrigerant is used, check the product data label. If the product contains flammable gases (refrigerant R600a), the compressor will feature the following label.

If the product contains flammable gases (refrigerant R600a), the compressor will feature the following label:



In this case, it is necessary to take some special precautions:

- place the product in a suitably sized room.
- do not use the product if it shows signs of damage.
- to avoid damaging the refrigerant circuit, do not use mechanical devices to speed up the defrosting process.
- make sure that the product's ventilation openings are always open and not blocked.
- in the event of refrigerant leakage, avoid using open flames, remove any flammable objects from the product and ventilate the room immediately.
- do not store potentially explosive substances (e.g. sprays containing flammable gases) inside the refrigerator.

Do not use electrical appliances inside the refrigerated compartment.

In the event of a malfunction, disconnect the refrigerator from the power supply.

Extraordinary maintenance operations must be carried out exclusively by professionally qualified personnel. Some parts of the condensing unit inside the refrigerator may be hot or have sharp edges. Before carrying out any maintenance or cleaning operation, disconnect the electrical power supply and wait until the unit has cooled down.

During maintenance or cleaning operations, use suitable personal protective equipment in accordance with current regulations.

The "Risk of electrocution" label on the casing and/or covers warns operators that removing them exposes them to the risk of coming into contact with live parts.



- Do not expose the refrigerator to jets of water or use harmful substances for cleaning.
- Do not expose the refrigerator to heat sources.
- In the event of a fire, use a powder extinguisher.
- The packaging material must be disposed of in accordance with current regulations.

3. PURPOSE OF THE MANUAL

The purpose of this manual is to help the operator perform correct installation, start-up, maintenance and cleaning operations on the refrigerator and the user to use it in the

most correct way, pointing out the residual risks and those deriving from incorrect use. This booklet must be considered an integral part of the product to which it refers and must therefore be stored carefully.

Since this manual refers to various models, the pictures contained in it are to be considered purely indicative.

Some of them may show details that are slightly different from those of the product in your possession, but the essential information does not change.

The manufacturer reserves the right to update this booklet without prior notice, if deemed necessary.

4. PRODUCT IDENTIFICATION

Each refrigerator features a label with the following data:

- model	- VF identification code
- VF serial number	
digits 1,2: Vitrifrigo identification code	digits 5,6: week of production
digits 3,4: year of production	digits 7,8,9,10,11,12: progressive number
- climate class	
N: operation from room temp. 16°C up to 32 °C	T: operation from room temp. 16 °C up to 43 °C
4: operation up to room temp. 30 °C and 55% rH	5: operation up to room temp. 40 °C and 40% rH
- supply voltage and mains frequency	- type and quantity of refrigerant
- total power consumption of the refrigerator	- type of expanding gas for the insulating foam.

Identification of the manufacturer

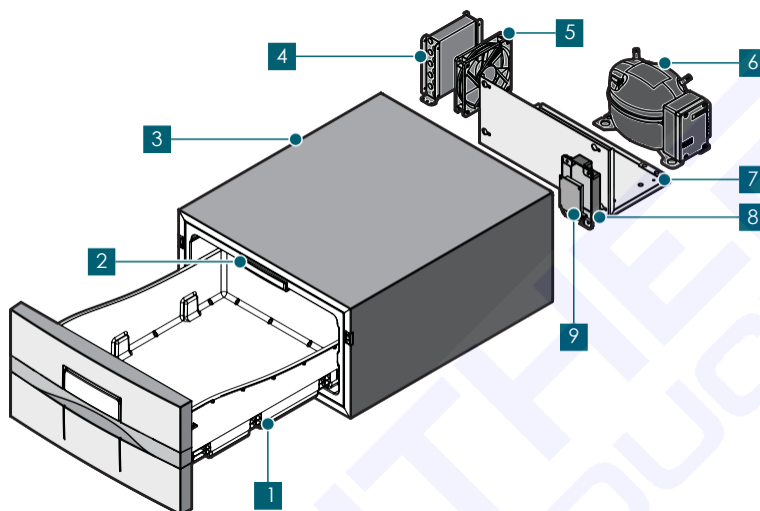
The refrigerator has been design and manufactured exclusively by:

Vitrifrigo s.r.l.

Via Mazzini 75 - fraz. Montecchio
61022 VALLEFOGLIA(PU) – Italia
tel. +39 0721 154500 - fax. +39 0721 497739
e-mail info@vitrifrigo.com
www.vitrifrigo.com

5. DESCRIPTION OF THE APPLIANCE

FIG 5.1 EXPLODED DIAGRAM OF COMPONENTS



1	Drawer	6	Compressor
2	Command display	7	Motor base
3	Cabinet	8	Electronic board cover
4	Condenser	9	Electronic board
5	Fan		

The label showing the serial number and the technical data is placed inside the refrigerator. The first four digits of the serial number identify the year and the week of manufacture.

6. INSTALLATION

Ensure that the refrigerator is not damaged when opening the packaging after receiving the product. Any transportation damage must be reported promptly to the reseller and, in any case, within 24 hours of taking delivery of the appliance. Handle the product with the utmost care and attention. Always place the refrigerator on a horizontal surface adequate to support its weight.

Once installation has been completed, check that the refrigerator is not resting on a power cable. If the power cable is damaged, it must be replaced immediately by someone from the technical service centre or by someone suitably qualified, in order to avoid any risk. Place the refrigerator away from heat sources ensuring that it has enough ventilation as in the following installation examples.

Once the refrigerator has been positioned, wait at least one hour before switching it on.

Appliance recessing with ventilated condenser

The size of the front opening to be prepared for recessing the appliance must respect the dimensions of the refrigerator (see annex 1). The recess must respect the minimum distances between the appliance and the surrounding structure and it must have suitable ventilation openings communicating directly with the open space in the room, in order to obtain correct air circulation by means of the chimney effect, as indicated in annex 2.

The recess must ensure that all possible live parts of the appliance are not directly accessible as well as the ventilation openings, by fitting them with suitable grilles.

The grilles must have openings with max. dimension of 5 mm.

The envisioned ventilation openings are:

- with dimension no less than 120 mm in height for the dimension of the refrigerator in width if positioned behind, which must always be associated to another opening of at least 120x12 mm placed on the side of the condenser (anx.2).
- with dimensions 120x120 mm if positioned on both sides, as per annex 2.

The minimum distances between the various parts of the appliance and the recess structure must not be less than 75mm. (anx.2)

For recess situations in spaces where the minimum distance of 75mm is respected only in the rear part of the appliance, make the ventilation openings on the same side respecting the indications for the position, number and dimensions shown in anx.2.

In all the situations of the described ventilation openings, only the minimum distance of 75mm from the sides of the appliance may not be observed.

Appliance recess, with ventilated remote motor.

The size of the front opening to be prepared for recessing the appliance must respect the dimensions of the refrigerator (see annex 1). The recess must respect the minimum distances between the remote motor and the surrounding structure and it must have suitable ventilation openings communicating directly with the open space in the room, in order to obtain correct air circulation by means of the chimney effect, as indicated in annex 2.

The recess must ensure that all possible live parts of the appliance are not directly accessible as well as the ventilation openings, by fitting them with suitable grilles. The grilles must have openings with max. dimension of 5 mm.

The ventilation openings must have dimensions no smaller than 120x120 mm and positioned on both sides, as per annex 2.

Appliance recess for campers, caravans and motor-homes.

To install the refrigerator or fridge units in a caravan, camper van, motor home etc. make the recess space in the vehicle with ventilation vents directly on the outside, fitted

with suitable grilles to ensure that all possible live parts of the appliance are not directly accessible (thermostat, control unit and fan). The grilles must have openings with max. dimensions 5 mm and be on at least one side (see annex 2).



ATTENTION Keep ventilation openings free from obstructions in the recess.

Do not place any objects or other materials near the ventilation grilles, nor cover or block them.

Fixing the appliance.

To secure the appliance in the recess, use the brackets supplied with it or use the holes on the sides of the refrigerator and screws (see annex 3).

7. ELECTRICAL CONNECTION

It is recommended to connect the 12Vdc or 24Vdc power supply line directly to the battery by following the corresponding instructions of the supplied control unit (see annex 4).

Prepare the alternating current power supply line using three-pole cable with minimum section per wire of 1 mm² and suitable isolation for the methods and environment of use and compliant with the regulations in force. Once installation has been completed, check the continuity of the earth circuit and carry out all the electrical safety tests provided for by current regulations. Protect and lock the cables in order to prevent accidental pulling of the cable from disconnecting it from the connections or coming into contact with hot parts with a temperature above 50°C or with sharp parts.

It is recommended that the installation of the power supply lines is carried out by qualified personnel who will check the compliance of the unit with the regulations in force and issue the relative certifications of conformity.

STANDARD BATTERY PROTECTION SETTINGS

12 V cut- out V	12 V cut- in V	24 V cut- out V	24 V cut- in V
12 V cut- out V	12 V cut- in V	24 V cut- out V	12 V cut- in V
10.4	11.7	22.8	24.2

CABLE DIMENSIONS: CONNECTION BETWEEN THE BATTERY AND ELECTRONIC UNIT

Section mm ²	Max. length m line at 12V	Max. length m line at 24V
2.5	2.5	5
4	4	8
6	6	12
10	10	20

8. START-UP

Once the refrigerator has been connected to the power supply, it will automatically start up in thermostatic mode and it will not be necessary to perform further operations for its correct operation.

For a reasonable arrangement and storage of food follow the following table:

Food	Preservation time	Method of preservation
Clean meat and finish	2 or 3 days	Exclusively wrapped or closed in airtight containers and placed in the fridge after they have cooled down if previously heated
Eggs	1 month	
Butter or margarine	1 week	
Cooked foods, cakes and soups	3 or 4 days	
Cold cuts, fresh pasta, creams, puddings, chocolate, pastries, animal fats	3 or 4 days	

9. FUNCTIONALITY AND ADJUSTMENT OF THE TEMPERATURE

The refrigerator works according to a refrigerant vapour compression cycle to transfer heat between the air in the inner compartment and the outer one. The refrigerant, by extracting heat from the air in the evaporator, evaporates and enters the compressor. Here, the refrigerant undergoes an increase in pressure and temperature. It then passes through the air condenser, where it is condensed. Finally, through the capillary tube, the refrigerant returns to the evaporator and the cycle is repeated. This refrigerator (in all versions) is equipped with an electronic thermostat for automatic temperature maintenance.



A	Compressor error LED	D	NIGHT MODE key
B	ON/STANDBY	E	Setting indication LED
C	FREEZER mode key	F	Setting key

On/Standby

To turn on the refrigerator, press the relative button for 1 second. Now all functions are active.

Refrigerator mode

In refrigerator mode, it is possible to choose between 4 different temperature levels; to change the set, press the corresponding key (F).

From left to right, the temperature levels are the following:

Set 1: 6-8°C - **Set 2:** 4-6°C - **Set 3:** 2-4°C - **Set 4:** 0-2°C

Freezer mode

To start freezer mode, press and hold the corresponding key (C) for one second. During this mode, it is not possible to change the temperature set. To interrupt freezer mode, press and hold the corresponding key (C) for one second and the set will go back to the one set previously.

Night mode

To activate night mode, press and hold the corresponding key (D) for one second. The 4 LEDs will start to light up alternately from left to right. During this mode, it is not possible to change the temperature set. Night mode will stop automatically after 10h from activation and the set will go back to the one set previously.

10. EXTRAORDINARY MAINTENANCE AND ASSISTANCE

Cleaning the refrigerator

Before starting to clean the refrigerator, make sure it is not connected to the mains electricity. If connected, unplug the appliance from the electrical supply.

EXTERNAL - Wash the outside of the refrigerator with lukewarm water, rinse with cold water and dry with a soft cloth. Do not use abrasive or aggressive products.

Cleaning and maintenance of the condenser must be performed only by authorised after-sales staff.

INTERNAL - Rinse and carefully dry using a soft cloth. Completely avoid the use of abrasive products, detergents or soaps. In order to avoid the formation of mould or unpleasant smells, unplug the appliance, empty it and clean the inside and leave the door half open.

Defrosting the appliance

It will be necessary to defrost the refrigerator every so often when the frost builds up to a thickness of more than three millimetres. This operation is necessary in order to guarantee that the fridge works efficiently and to avoid increasing the electricity consumption.

In order to achieve complete defrosting of the refrigerator turn the thermostat control to the stop position. Keep the drawers open to accelerate defrosting times.

ATTENTION: do not use mechanical devices or other means other than those recommended by the manufacturer to accelerate the defrosting process.

ATTENTION: do not remove the layer of frost using pointed or sharp metal tools that may cause a puncture in the cooling plate with irreparable consequences for the appliance.

When the defrosting is complete, start up the refrigerator.

Removing the drawer and the front panel.

To remove the drawer and/or the front panel, refer to annex 5.

Alarms

The alarms are visible in the thermostat, with visual signalling via the blue LEDs or the red LED depending on the type of error in progress. The possible errors signalled as alarms are the following:

ALARM DISPLAY	ERROR	POSSIBLE CAUSES	CONSEQUENCES	SOLUTIONS
BLUE LEDs FLASHING SIMULTANEOUSLY	Probe	Probe faulty and/or probe not connected	The refrigerator is not working	We recommend removing any food, turning the refrigerator off and immediately contacting the service centre
1 FLASH RED LED	Battery level	The voltage is outside the cut-out range	The refrigerator does not start until the voltage level is back within the range	Check the power supply line. If the problem persists, contact the service centre
2 FLASHES RED LED	The compressor or fan does not start	Too many attempts to start the compressor in a short period of time	The refrigerator does not start	Check the power supply line. If the problem persists, contact the service centre
3 FLASHES RED LED	Compressor start error	Compressor rotor blocked or circuit pressure > 5 bar	The refrigerator does not start	Check circuit pressure. If the problem persists, contact the service centre
4 FLASHES RED LED	Compressor minimum speed error	The compressor cannot maintain the minimum speed of 1850 rpm	The compressor does not start	Check the circuit pressure. If the problem persists, contact assistance.
5 FLASHES RED LED	Control unit overheating	High temperature in control unit	The compressor does not start	Contact technical support
6 FLASHES RED LED	Thermostat problem	Connection to the electronic board shorted or disconnected	The compressor does not start	Check the control unit board connection. If the problem persists, contact the service centre

11. TROUBLESHOOTING GUIDE

What to do if the fridge doesn't work

Problem	Cause	Solution
The refrigerator does not start	No electrical current	<ul style="list-style-type: none">• Check that the power supply cable is intact and properly connected.• DC mode:<ul style="list-style-type: none">- Check that the battery is charged.• Check that the voltage on the terminal block of the appliance's electronic device is the same as that of the battery.
	Perform a reset	Disconnect the power cable. Wait for a minute and then reconnect it. Try switching the unit on again.
The refrigerator does not cool	Insufficient output	Check that: (a) the door closes hermetically, (b) the refrigerator is not near heat sources and is sufficiently ventilated, (c) the condenser is not clogged with dust
The refrigerator does not stop	The internal temperature is too high	Check that the door is completely closed
The refrigerator is noisy		Check that the refrigerator sits flat and is not in direct contact with any object that might cause vibrations

If you do not manage to achieve regular operation after these checks, contact the customer assistance service.

ALLEGATI - ANNEXES

Allegato Annex

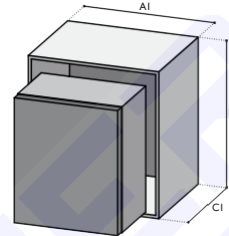
1

MODELLI E MISURE DI INCASSO

MODELS AND RECESS MEASUREMENTS
MODELLE UND EINBAUMASSNAHMEN

MODÈLES ET MESURES POUR L'ENCASTRÉMENT
MODELOS Y MEDIDAS EMPOTRADAS

MODEL DC/AC	A1 (mm)	B1 (mm)	C1 (mm)
D20A (remote)	440	250	322
D20A	440	250	535
D30A (remote)	440	250	542
D30A	440	250	675



Allegato Annex

2

INSTALLAZIONI

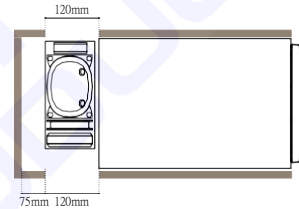
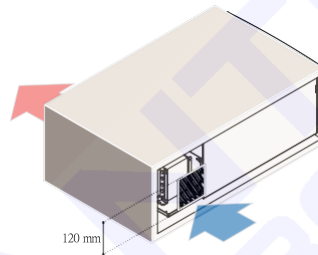
INSTALLATIONS
INSTALLATIONEN

INSTALLATIONS
INSTALACIONES

INCASSO

BUILT-IN - ENCASTRÉMENT
EINGESETZT - EMPOTRADO

GRIGLIA DI VENTILAZIONE LATERALE
SIDE VENTILATION GRID
GRILLE D'AÉRATION LATÉRALE
SEITLICHES LÜFTUNGSGITTER
REJILLA DE VENTILACIÓN LATERAL

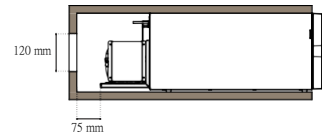
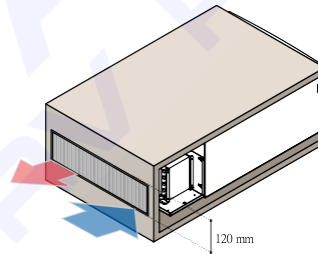


H GRID min = 120 mm

INCASSO

BUILT-IN - ENCASTRÉMENT
EINGESETZT - EMPOTRADO

GRIGLIA DI VENTILAZIONE POSTERIORE
REAR VENTILATION GRID
GRILLE D'AÉRATION ARRIÈRE
LÜFTUNGSGITTER HINTEN
REJILLA DE VENTILACIÓN TRASERA

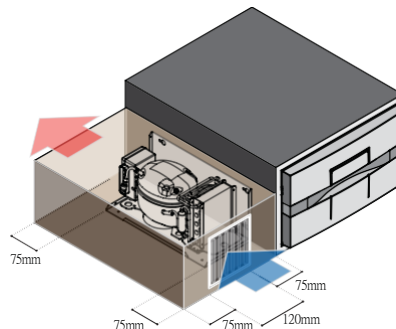


H GRID min = 120 mm

INCASSO

BUILT-IN - ENCASTRÉMENT
EINGESETZT - EMPOTRADO

UNITÀ REMOTA
REMOTE COOLING UNIT
GROUPE FROID DÉPORTÉ
EXTERNER KOMPRESSOR
UNIDAD REMOTA



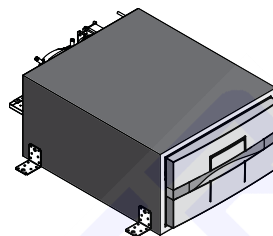
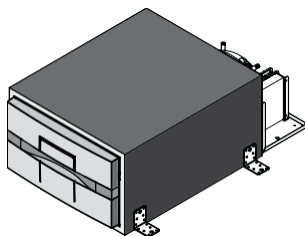
H GRID min = 120 mm

FISSAGGI DEL DISPOSITIVO

FIXING POINTS
GERÄTEBEFESTIGUNGEN

FIXATIONS D'APPAREIL
FIJACIONES DE DISPOSITIVOS

STAFFE DI FISSAGGIO
FIXING BRACKETS
EQUERRE DE FIXATION
BEFESTIGUNGSSTANGEN
BARRAS DE FIJACIÓN



POSIZIONE DEI FORI DI FISSAGGIO (PER VITI M4)

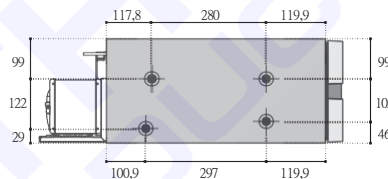
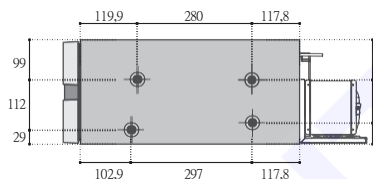
FIXING POINTS POSITION (FOR M4 SCREWS)

POSITION DER BEFESTIGUNGSBOHRUNGEN (FÜR M4-SCHRAUBEN)

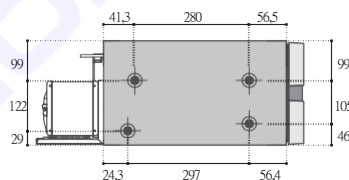
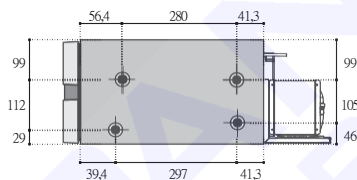
POSITION DES TROUS DE FIXATION (POUR VIS M4)

POSICIÓN DE LOS AGUJEROS DE FIJACIÓN (PARA TORNILLOS M4)

D30A



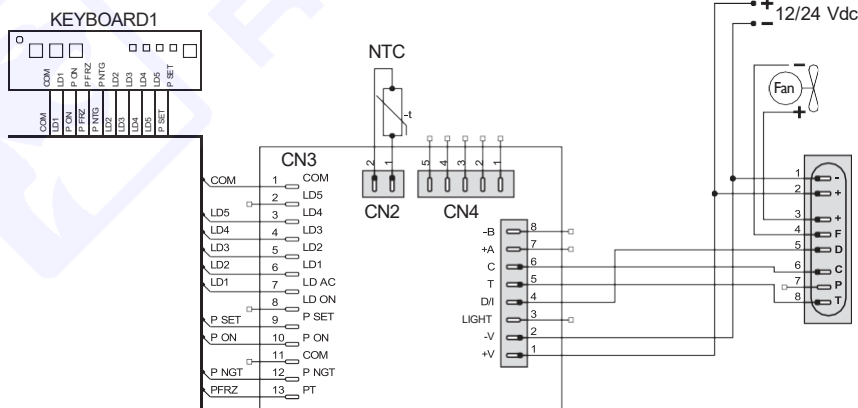
D20A



SCHEMA ELETTRICO

ELECTRICAL WIRING DIAGRAM
SCHALTPLAN

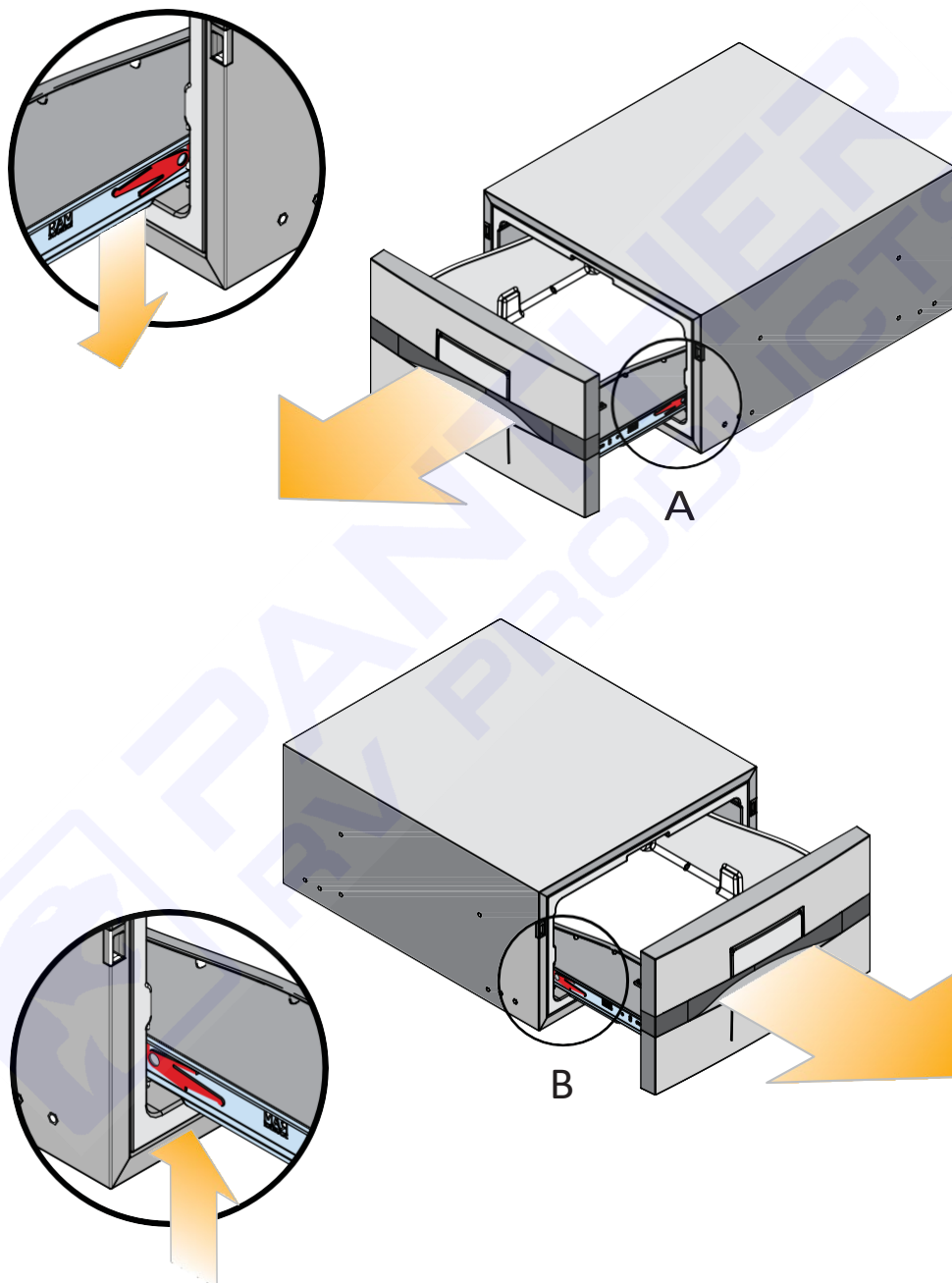
SCHEMA ÉLECTRIQUE
DIAGRAMA ELÉCTRICO



SMONTAGGIO DEL CASSETTO

DRAWER DISASSEMBLING
DEMONTAGE DER SCHUBLADEN

DEMONTAGE DU TIROIR
DESMONTAJE DEL CAJÓN



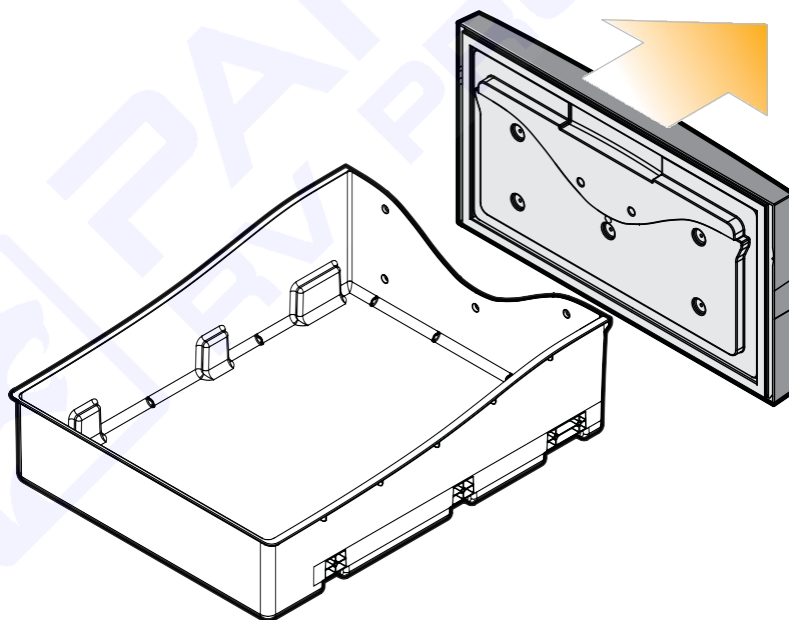
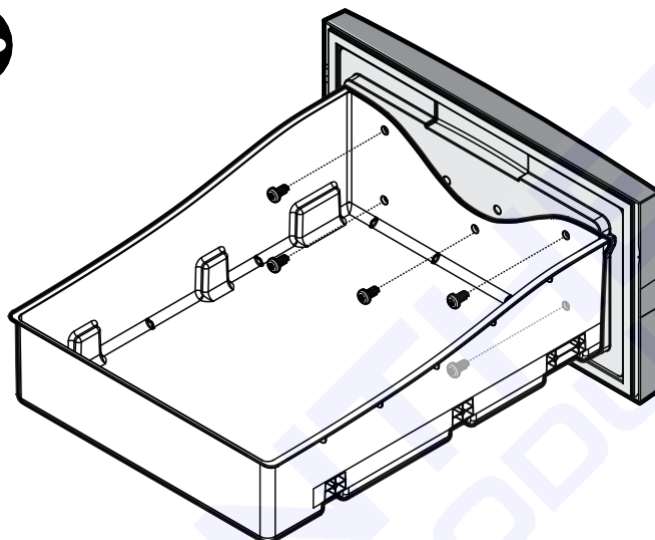
SMONTAGGIO DEL FRONTALE

FRONT PANEL DISASSEMBLING
DEMONTAGE DER FRONTPLATTE

DEMONTAGE FAÇADE
DESMONTAJE DELANTERO



TORX



DICHIARAZIONE DI CONFORMITÀ UE

Vitrifrigo srl, con sede in:
via Mazzini 75, 61022 frazione Montecchio, VALLEFOGLIA, Italy
dichiara sotto la propria responsabilità che il prodotto:

- è conforme alla Direttiva Bassa Tensione (LVD) 2014/35 CE
- è conforme alla Direttiva Compatibilità Elettromagnetica (EMC) 2014/30 CE

UE DECLARATION OF CONFORMITY

Vitrifrigo srl, with Registered Office in
via Mazzini 75, 61022 locality Montecchio, VALLEFOGLIA, Italy
declares under its own responsibility that the product:

- is compliant with the Low Voltage Directive (LVD) 2014/35 EC
- is compliant with the Electromagnetic Compatibility Directive (EMC) 2014/30 EC



VALLEFOGLIA,
GIUGNO 2021

IL LEGALE
RAPPRESENTANTE

Vitri Alceste

IDENTIFICAZIONE PRODOTTO / PRODUCT IDENTIFICATION

D20A - D30A



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REV 00 - 2021

Made in Italy



9600-0066