

SPEC SHEET

Proofer cabinets **CE**



Single



Double



Compact



Roll in



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WARNINGS

1. General points

You have just acquired an appliance from us and we would like to thank you for placing your trust in us.

The purchase of this equipment constitutes acceptance of our general terms and conditions of sale.

This document has been written for the exclusive attention of the buyer.

The data in it is strictly confidential and must not be disclosed to third party under any circumstances.

Any transmission, communication of its contents or reproduction (even partial) of this document is prohibited unless authorised in writing by the manufacturer.

Any infringement shall give rise to claims for damages before the courts.

This notice is an integral part of the product and we recommend that you keep it near the machine so that you can read it easily and quickly.

This document was first written in French (ORIGINAL MANUAL) then translated into English.

If you have any doubts about the accuracy of the translation, please refer to the original French document which supersedes all other documents.

Please follow the advice contained in this documentation so that you are fully satisfied.

The manufacturer cannot guarantee the technical & legal predisposition of the installation room and support services used for the equipment, although it provides all the instructions for correct installation in the special section of this manual.

In this respect, we advise users to consult a professional technician with experience in the field to ensure compliance with the law or any local regulations.

Our company cannot be held responsible under any circumstances for the loss of goods or operating losses due to any kind of malfunctioning particularly in the event of incorrect and careless use such as, for example:

- Improper use not in accordance with these instructions by an untrained member of staff.
- Unapproved modifications or work.
- Use of non-original spare parts or parts not specific to the model.
- Non-compliance, even partial, of maintenance or adjustment work.

These losses can be covered by insurance cover taken out the user and his insurance provider.

Any installation and / or use which is at variance with our recommendations will automatically void the manufacture's warranty.

Our equipment has been designed and manufactured with care. We hope you are 100% happy with it and are here for you if you require any information.

The machine has been designed for the food industry (baked goods, pastries and Viennese pastries) and must be operated in accordance with the manufacturer's instructions.

This machine is designed for professional use and therefore must be installed in a work space which is NOT ACCESSIBLE TO THE PUBLIC for obvious safety reasons.

Any other use will be considered improper and therefore careless.

2. Technical warnings

Improper installation or adjustments to the settings, usage or maintenance can cause material damage, injury or death. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

The equipment must be installed by a qualified and authorised technician.

Before starting the installation of the equipment, the technician must check that the various site connections (electrics, water supply and drains to sewers) are completed and in accordance with the technical specifications of the equipment and the laws in force.

There are no user-serviceable parts inside.


Repairs must be performed by specialised service personnel only.

For your safety : Do not store or use fuel or any other flammable gases or liquids near this or any other appliance.

For continued protection against fire and electric shock, replace a defective fuse with the same type and rating fuse.

Fuses are supplementary overcurrent-protective devices and are not intended to be serviced when live. Disconnect the power supply before servicing.

The stainless steel surfaces are delivered with a plastic film to protect them from scratches. Before commissioning, do not forget to remove the plastic film.

 This installation contains fluorinated greenhouse gases covered by the Kyoto Protocol. European regulations on the protection of the ozone layer and the fight against the greenhouse effect requires from all companies whose staff conducts refrigerant handling operations to have a CERTIFICATE OF ABILITY issued for 5 years by a organization approved by the Ministry of Ecology.

BEFORE UNDERTAKING ANY WORK ON THE EQUIPMENT



Before undertaking any work on electrical parts, disconnect the supply to the appliance at the external disconnecting switch.

Beware of residual voltage.

To disconnect the appliance from the electric plug, never pull the wire.



Do not touch the appliance :

- With any wet or damp body parts.
- If you are barefoot.



Do not touch the refrigerant pipes with bare hands during operation. The refrigerant pipes are hot or cold depending on the condition of the flowing refrigerant. If you touch the pipes, burns or frostbite may result.



All work on the equipment must be done by a qualified and approved professional. In the event of false alarm in the safety system, you must contact your supplier.

INSTALLATION

This machine is designed for professional use and therefore must be installed in a work space which is NOT ACCESSIBLE TO THE PUBLIC for obvious safety reasons.

Before the installation, make sure that :

The equipment must be set up on a flat floor, with a sufficient safety allowable load (The maximum allowable slope is 5 mm/m).

The equipment shouldn't be in touch with any wall. Keep at least 10mm to avoid condensation problems.

The room lay-out and the ventilation must comply with the legal standards.

The wall clearance at rear of the machine is at least 100 mm. Important service area : service access to the technical part must be provided.

An adequate natural airflow must be provided around the equipment.

The appliance must be aerated in an ambient atmosphere below 32°C to ensure its proper operating.



After installing the cabinet vertically, leave it for 24 hours before turning it on.
Electric and hydraulic connections must comply with the applicable regulations and must be done by qualified workers.

1. Power supply



Each appliance must be individually protected with a system close to the appliance, easily accessible and in conformity with legislation.

Note : the EARTH continuity circuit must be provided between the appliance and its electrical connection.

Be sure to ground the appliance. Do not connect the ground wire to gas or water pipes, lightning rods, or telephone grounding lines. If the appliance is not properly grounded, electric shock may result

The customer must install a differential circuit breaker (1 per appliance).

The power supply voltage must match the indicated voltage specified on the nameplate.

- Ranges : Single / Compact /Roll in / Double 46D - 48D

This appliance is supplied with 1 electrical cable of 3,5 m long, equipped with a plug of 16A (2 poles + ground)

- Range : Double 68D

This appliance is supplied with 2 electrical cables of 3,5 m long, equipped with a plug of 16A (2 poles + ground)

2. Water supply



Appliances connected to drinking water supply must be equipped with means of protection against return to the drinking water circuit, and installed according to the national regulations in force.

Valve \varnothing 3/4" to 1 m above the floor, close to the equipment and easily accessible.

Water pressure : 3 bars mini - 5 bars maxi

At the output of this valve, pipes and connection need to be prepared.

Appliance supplied with a 2 m flexible stainless steel hose for water supply \varnothing 20x27 mm.

- Ranges : Single / Compact /Roll in : Appliance equipped with a water solenoid valve
- Range : Double : Appliance equipped with a twin water solenoid valve



In case the water analysis results are critical, it is highly recommended to apply water treatment in order to avoid scaling problems.



If your water does not meet the quality criteria indicated in the section «Water quality», it may cause a malfunction even the degradation of the appliance. Non complying with our requirements may result in voiding the warranty.

3. Safety thermostat

- Ranges : Single / Compact /Roll in :

1 safety thermostat located above the machine which leaves factory set at 40°C and necessarily has to remain so.

- Range : Double

2 safety thermostats located above the machine which leave factory set at 40°C and necessarily have to remain so.

4. Condensation Drain

- Ranges : Single / Compact /Roll in :

Appliance is supplied with 1,5 m of rubber hose Ø 10x16 mm.

- Range : Double

Appliance is supplied with 2 x 1,5 m of rubber hose Ø 10x16 mm.



Water coming from a condensation process is not drinkable because it is devoid of minerals and may contain bacteria. It is therefore unfit for human or animal consumption.

5. Panels

Injected sandwich panels in galvanised metal plate, grey lacquered (stainless steel possible in option).

Panels thickness : 68 mm (except the rear panel : 60 mm).

Inside and outside cladding scheduled for an easy cleaning and to resist to blows and scratches.

6. Hot air

Air diffusion by fans.

Maximum temperature : 35°C.

Normal using temperature : from 17°C to 25°C. This temperature has an influence on the finished product quality.

7. Hygrometry

Control panel eDrive : Hygrometry controlled by probe.

Control panel with digital display : Hygrometry controlled by an hygostat adjustable from 30 to 100%.

8. Refrigeration unit

The refrigeration unit is cooled by air and use R452A as gas.

Cooling couplings : 3/8" - 1/4"



If the refrigeration unit is located remotely, it must be more powerful and pipes must be adapted accordingly (look at the paragraph : Remote refrigeration unit).

In the case of a remote refrigeration unit, the specialist technician responsible for the refrigeration system will have to charge the refrigerant into the circuit according to the distance of the unit (the refrigeration unit is then delivered empty).



From factory, the refrigeration unit is loaded with R452A as gas and the entire refrigerant line is set to operate with this gas. However, the unit remains compatible with R404A but under two conditions :

- modifying of the different settings of the refrigeration line (adjustment for overheating)
- the unit and the entire refrigeration line must be empty (gas mixing is forbidden).

Before any gas change during a service intervention or when filling a remote unit, please contact your distributor to inquire about the procedure to be followed. Any change of gas during an intervention must be clearly identified on the machine (label) and the maintenance booklet must imperatively stipulate this change of gas.

WATER QUALITY

Although if clean and safe for consumption, the water supplied can have a bad taste (caused by the chlorine), be corrosive or cause calcareous deposits.

After analysis, when the water characteristics reach critical levels, it is imperative to install a water treatment system upstream to increase the life duration of your equipment.

Depending on the concentrations of chloride, carbonate and the pH value, it may also be necessary to treat water to reduce the corrosion risks.

A system of water treatment is strongly recommended in the following cases :


- if the water hardness is greater than or equal to 15°f : Hard water. It is a calcareous water that generates a very important scale deposit especially in hot condition (60°C).
- if it is a very soft water (TH<9°f) and a pH more than or equal to 7 : Corrosive water termed aggressive. Aggressive water involves the metal rust. The soft water corrosiveness is increased when its pH is acidic.
- if the pH is less than 6.8 or more than 7.5.
- for high concentrations of chlorides or nitrates.

Depending on water analysis results , various solutions are possible : neutralizing filters , water softener, activated carbon filters, ... A water treatment specialist will be able to propose you a solution in compliance with your installation and based on the water analysis results.

Once the treatment system installed, check its effectiveness through further analysis of the water.

The regular system maintenance as per the manufacturer's recommendations is imperative to maintain permanently a water quality suitable with the equipment.

The sediments presence in water is another factor to take into consideration. In such a case, a mud filter has to be added to the system.

 If your water does not meet these quality criteria it may cause a malfunction even the degradation of the appliance. Non complying with the above mentioned requirements may result in voiding the warranty.

N.B : The water hardness is its calcium and magnesium content. The hydrotimetric title (TH) is measured in French degrees (°f): 1°f = 4 mg of calcium + 2.4 mg of magnesium per liter.

APPLIANCE CHARACTERISTICS

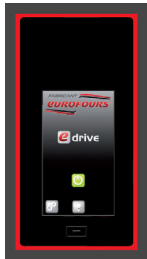
The cabinet is composed as follows :

Ranges : Single / Compact / Roll in

- A panels assembly forming the cabinet.
- A door.
- A refrigeration unit.
- An evaporator.
- A safety thermostat.
- A touchscreen control panel eDrive (hygrometry controlled by probe).

Range : Double

- A panels assembly forming the cabinet.
- 2 doors.
- 2 refrigeration units.
- 2 evaporators.
- 2 safety thermostats.
- A touchscreen control panel eDrive (hygrometry controlled by probe).



Control of the following functions :

- Preblocking
- Blocking
- Proving
- End of Proving
- Holding
- Lighting (Option)
- 9 possible registered programs :
 - 1 program « Direct cold »
 - 1 program « Direct proving »
 - 8 programmables recipes

Options :

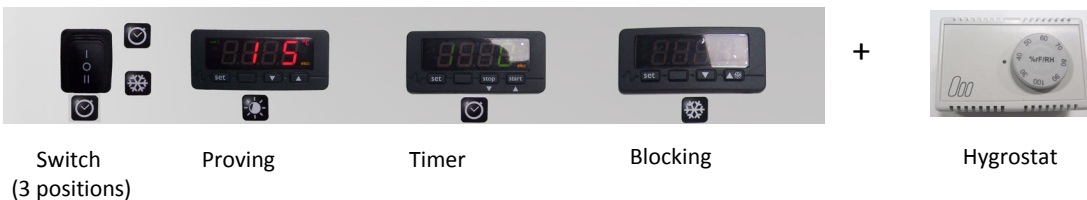
- Lighting
- Remote refrigeration unit / Tropicalized unit
- Casters
- Control panel with digital display

--> Ranges : Single / Compact / Roll in

1 Control panel with digital display + 1 Hygrostat adjustable from 30 to 100%.

--> Range : Double

2 control panels with digital display + 2 hygostats adjustable from 30 to 100%.



- Electrical protection (ARF0-PROTELEC) :



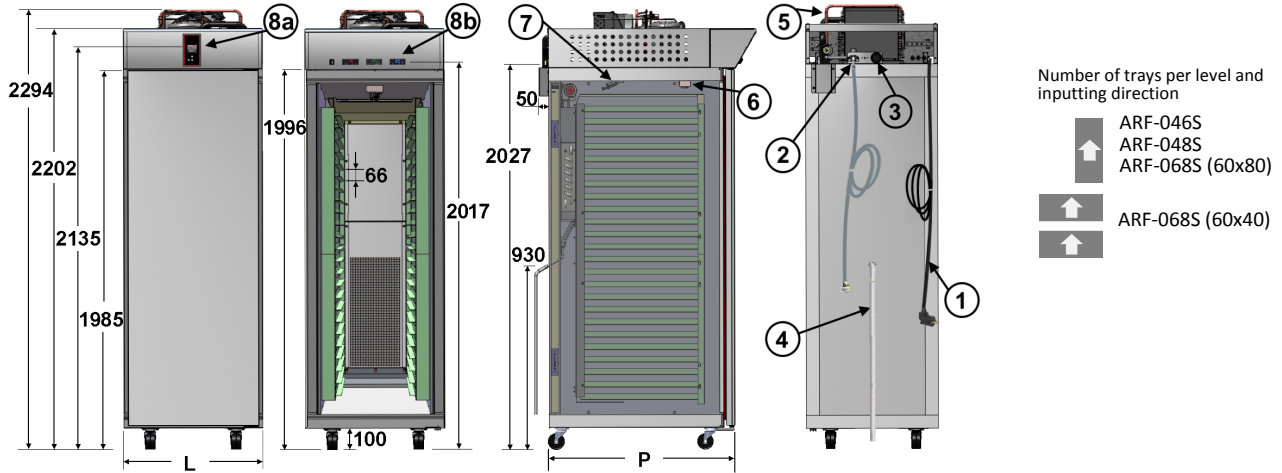
Electrical protection : This function is intended to protect the electrical equipment by ensuring a constant voltage regardless of fluctuations in the mains voltage.

The voltage control relay on the power supply line of the regulator trips if the mains voltage is outside the adjustment range for 6 seconds and automatically resets when the line voltage returns to its normal state.

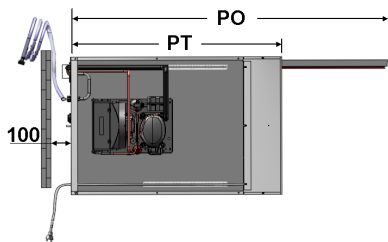
SPEC SHEETS

Proofer cabinet - Range : Single

Dimensions in mm (Cabinet represented on casters - 100 mm / Option)



Number of trays per level and inputting direction



Model	ARF-046S	ARF-048S	ARF-068S	
Trays dimensions (cm) :	40x60	40x80	60x80	60x40
Number of trays :	24		24	48
L :	686 mm		826 mm	
P :	916 mm	1156 mm		
PT :	1014 mm	1252 mm		
PO :	1531 mm	1771 mm	1911 mm	
Weight (Kg) :	200	215	225	
Gaz charge R-452A (Kg) :	0,58		0,68	

- ① Electric supply (3,5 m of electrical wire supplied).
- ② Water solenoid valve Ø 3/4" (2 m of hose supplied) - 3 bars mini - 5 bars maxi
- ③ Safety thermostat
- ④ Condensation Drain (1,5 m of drain tube supplied -10x16)
- ⑤ Refrigeration unit
- ⑥ Hygrosat adjustable from 30 to 100% if ⑧b
- ⑦ Hygrometry sensor + Temperature sensor : if ⑧a / Ambient sensors for thermoregulators : if ⑧b
- ⑧a Touchscreen control panel - eDrive / ⑧b Electro mechanical control panel

! Inlets ①②, and outlet ④ are at customer's charge and have to be in-service the day of installation.
To avoid any scaling problems, it is IMPERATIVE to treat the water if the analysis results are critical. After setting up, leave to stand for 24 hours before connecting the appliance.

i Panels thickness : 68 mm (except the rear panel : 60 mm).

Electrical data :

Voltage : ~1x230V+N+G
 Frequency : 50 Hz
 Heating power : 2 kW
 Electrical power : 3,5 kW
 Intensity : 15,4 A

Technical data :

Fixed slides
 Space between levels : 66 mm
 Feet adjustable from 85 mm to 122 mm (standard)
 Static defrosting

Refrigeration unit : 50 Hz

Power : 1/2 CV
 Electrical power : 643 W*
 Cooling power : 803 W*
 Weight : 24,8 Kg
 Sound power : 70 dB(A)
 Cooling couplings : 3/8" - 1/4"
 Depth : 501 mm
 Width : 336 mm
 Height : 298 mm
 Fixing centre distance : 345 mm x 280 mm

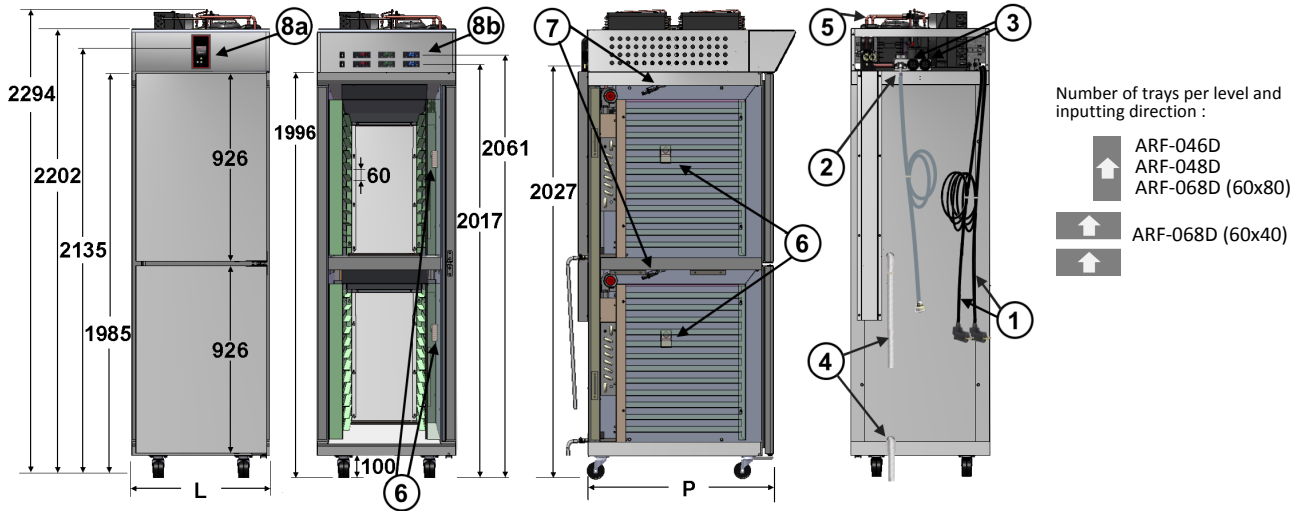
* these cooling capacities are given for an evaporation temperature of -10°C and intake and ambient temperatures of 32°C.

R452A is a Fluorinated Greenhouse gas, covered by the Kyoto Protocol, with a Global Warming Potential (GWP) = 2141.

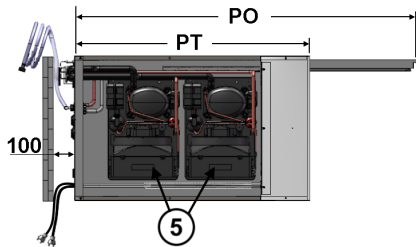
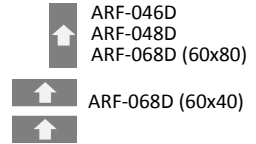
SPEC SHEET

Proofer cabinet - Range : Double

Dimensions in mm (Cabinet represented on casters - 100 mm / Option)



Number of trays per level and inputting direction :



Model	ARF-046D	ARF-048D	ARF-068D	
Trays dimensions (cm) :	40x60	40x80	60x80	60x40
Number of trays :	2x12		2x12	2x24
L :	686 mm		826 mm	
P :	916 mm	1156 mm		
PT :	1014 mm	1252 mm		
PO :	1531 mm	1771 mm	1911 mm	
Weight (Kg) :	225	240	250	
Gaz charge R-452A (Kg) :	0,58 / compartment			

- ① Electric supply (3,5 m of electrical wire supplied).
- ② Twin water solenoid valve \varnothing 3/4" (2 m of hose supplied) - 3 bars mini - 5 bars maxi
- ③ 2 safety thermostats
- ④ Condensation Drain (2x1,5 m of drain tube supplied -10x16)
- ⑤ 2 refrigeration units
- ⑥ 2 hygrometers adjustable from 30 to 100% if ⑧b
- ⑦ 2 hygrometry sensors + 2 temperature sensors : if ⑧a / 2 ambient sensors for thermoregulators : if ⑧b
- ⑧a Touchscreen control panel - E-Drive / ⑧b 2x Electro mechanical control panel

! Inlets ①②, and outlet ④ are at customer's charge and have to be in-service the day of installation.
 To avoid any scaling problems, it is IMPERATIVE to treat the water if the analysis results are critical. After setting up, leave to stand for 24 hours before connecting the appliance..

i Panels thickness : 68 mm (except the rear panel : 60 mm).

Electrical data :

Voltage : \sim 1x230V+N+G
 Frequency : 50 Hz

	46D-48D	68D
Heating power (kW) :	2 x 1	2 x 2
Electrical power (kW) :	2 x 2,6	2 x 3,6
Intensity (A) :	2 x 11,3	2 x 15,7

Technical data :

Fixed slides
 Space between levels : 60 mm
 Static defrosting
 Feet adjustable from 85 mm to 122 mm (standard)

Refrigeration unit : 50 Hz

Power : 1/2 CV
 Absorbed power : 643 W*
 Cooling power : 803 W*
 Weight : 24,8 Kg
 Sound power : 70 dB(A)
 Cooling couplings : 3/8" - 1/4"
 Depth : 501 mm
 Width : 336 mm
 Height : 298 mm
 Fixing centre distance : 345 mm x 280 mm

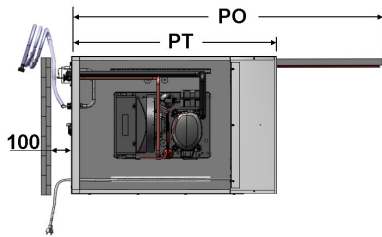
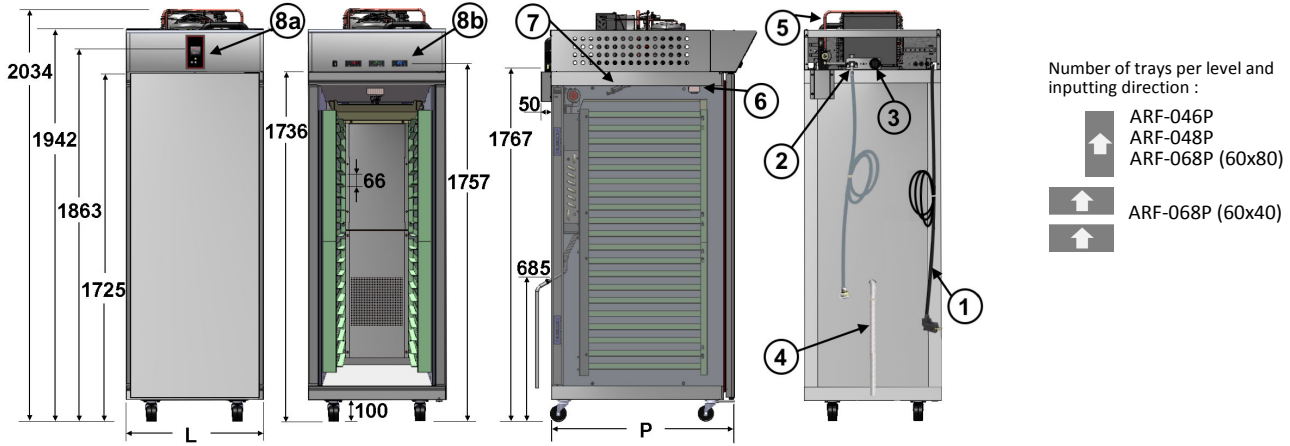
* these cooling capacities are given for an evaporation temperature of -10°C and intake and ambient temperatures of 32°C.

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SPEC SHEET

Proofer cabinet - Range : Compact

Dimensions in mm (Cabinet represented on casters - 100 mm / Option)



Model	ARF-046P	ARF-048P	ARF-068P	
Trays dimensions (cm) :	40x60	40x80	60x80	60x40
Number of trays :	20		20	40
L :	686 mm		826 mm	
P :	916 mm	1156 mm		
PT :	1014 mm	1252 mm		
PO :	1531 mm	1771 mm	1911 mm	
Weight (Kg) :	160	200	210	
Gaz charge R-452A (Kg) :	0,58		0,68	

- ① Electric supply (3,5 m of electrical wire supplied)
- ② Water solenoid valve \varnothing 3/4" (2 m of hose supplied) - 3 bars mini - 5 bars maxi
- ③ Safety thermostat
- ④ Condensation Drain (1,5 m of drain tube supplied -10x16)
- ⑤ Refrigeration unit
- ⑥ Hygroat adjustable from 30 to 100% if ⑧b
- ⑦ Hygrometry sensor + Temperature sensor : if ⑧a / Ambient sensors for thermoregulators : if ⑧b
- ⑧a Touchscreen control panel - eDrive / ⑧b Electro mechanical control panel

! Inlets ①②, and outlet ④ are at customer's charge and have to be in-service the day of installation.
 To avoid any scaling problems, it is IMPERATIVE to treat the water if the analysis results are critical. After setting up, leave to stand for 24 hours before connecting the appliance..

i Panels thickness : 68 mm (except the rear panel : 60 mm).

Electrical data :

Voltage : ~1x230V+N+G
 Frequency : 50 Hz
 Heating power : 2 kW
 Electrical power : 3,5 kW
 Intensity : 15,4 A

Technical data :

Fixed slides
 Space between levels : 66 mm
 Feet adjustable from 85 mm to 122 mm (standard)
 Static defrosting

Refrigeration unit : 50 Hz

Power : 1/2 CV
 Electrical power : 643 W*
 Cooling power : 803 W*
 Weight : 24,8 Kg
 Sound power : 70 dB(A)
 Cooling couplings : 3/8" - 1/4"
 Depth : 501 mm
 Width : 336 mm
 Height : 298 mm
 Fixing centre distance : 345 mm x 280 mm

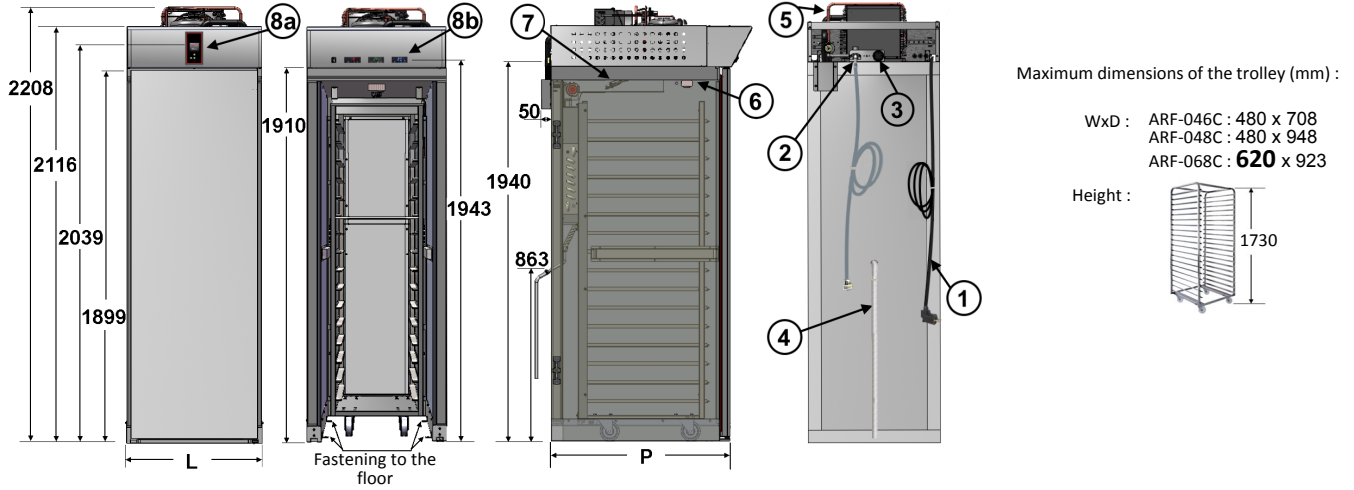
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SPEC SHEET

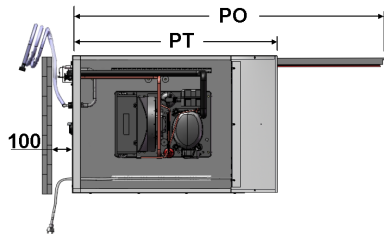
Proofer cabinet - Range : Roll in

Dimensions in mm



Maximum dimensions of the trolley (mm) :

WxD : ARF-046C : 480 x 708
 ARF-048C : 480 x 948
 ARF-068C : **620** x 923



Model	ARF-046C	ARF-048C	ARF-068C
Trays dimensions (cm) :	40x60	40x80	N.A.
L :	686 mm		826 mm
P :	916 mm	1156 mm	
PT :	1014 mm	1252 mm	
PO :	1531 mm	1771 mm	1911 mm
Weight (Kg) :	160	200	210
Gaz charge R-452A (Kg) :	0,58		0,68

- ① Electric supply (3,5 m of electrical wire supplied).
- ② Water solenoid valve \varnothing 3/4" (2 m of hose supplied) - 3 bars mini - 5 bars maxi
- ③ Safety thermostat
- ④ Condensation Drain (1,5 m of drain tube supplied -10x16)
- ⑤ Refrigeration unit
- ⑥ Hygostat adjustable from 30 to 100% if ⑧b
- ⑦ Hygrometry sensor + Temperature sensor : if ⑧a / Ambient sensors for thermoregulators : if ⑧b
- ⑧a Touchscreen control panel - eDrive / ⑧b Electro mechanical control panel

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 To avoid any scaling problems, it is IMPERATIVE to treat the water if the analysis results are critical. After setting up, leave to stand for 24 hours before connecting the appliance..

i Panels thickness : 68 mm (except the rear panel : 60 mm).

Electrical data :

Voltage : ~1x230V+N+G
 Frequency : 50 Hz
 Heating power : 2 kW
 Electrical power : 3,5 kW
 Intensity : 15,4 A

Technical data :

Static defrosting

Refrigeration unit : 50 Hz

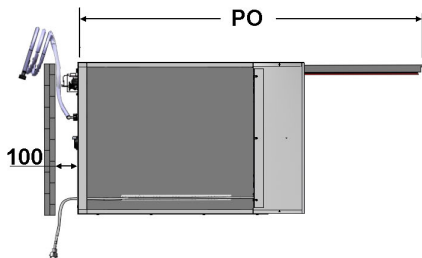
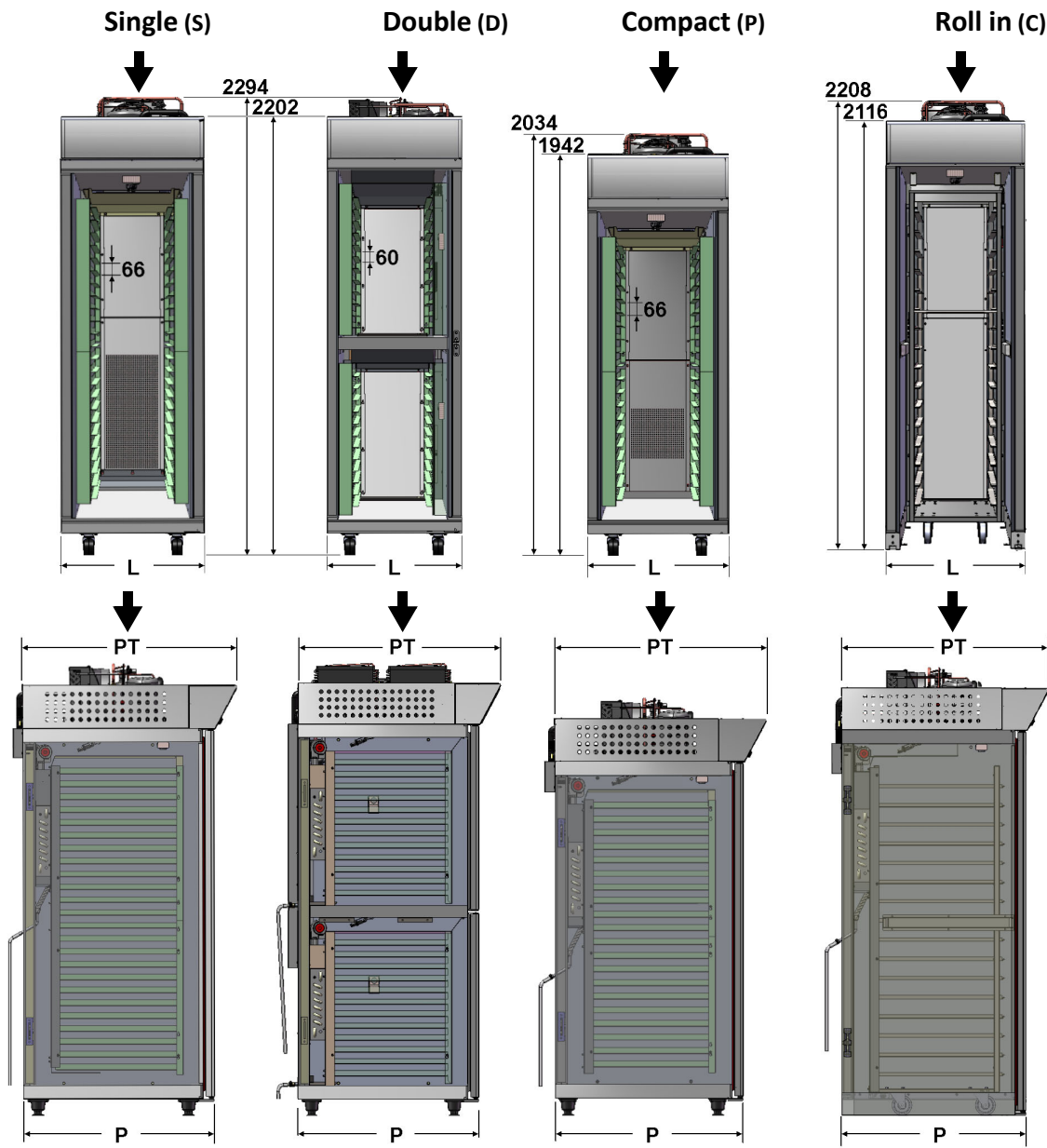
Power : 1/2 CV
 Electrical power : 643 W*
 Cooling power : 803 W*
 Weight : 24,8 Kg
 Sound power : 70 dB(A)
 Cooling couplings : 3/8" - 1/4"
 Depth : 501 mm
 Width : 336 mm
 Height : 298 mm
 Fixing centre distance : 345 mm x 280 mm

* these cooling capacities are given for an evaporation temperature of -10°C and intake and ambient temperatures of 32°C.

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Dimensional comparative

Proofer cabinets - All ranges



Model	Trays dimensions	Trolley maxi	L	P	PT	PO
ARF-046(S-D-P)	40x60 ↑	480 x 708	686	914	1014	1530
ARF-046C						
ARF-048(S-D-P)	40x80 ↑	480 x 948	686	914	1014	1770
ARF-048C						
ARF-068(S-D-P)	60x80 ↑		826	1154	1252	1910
	60x40 ↑↑					
ARF-068C		620 x 923				

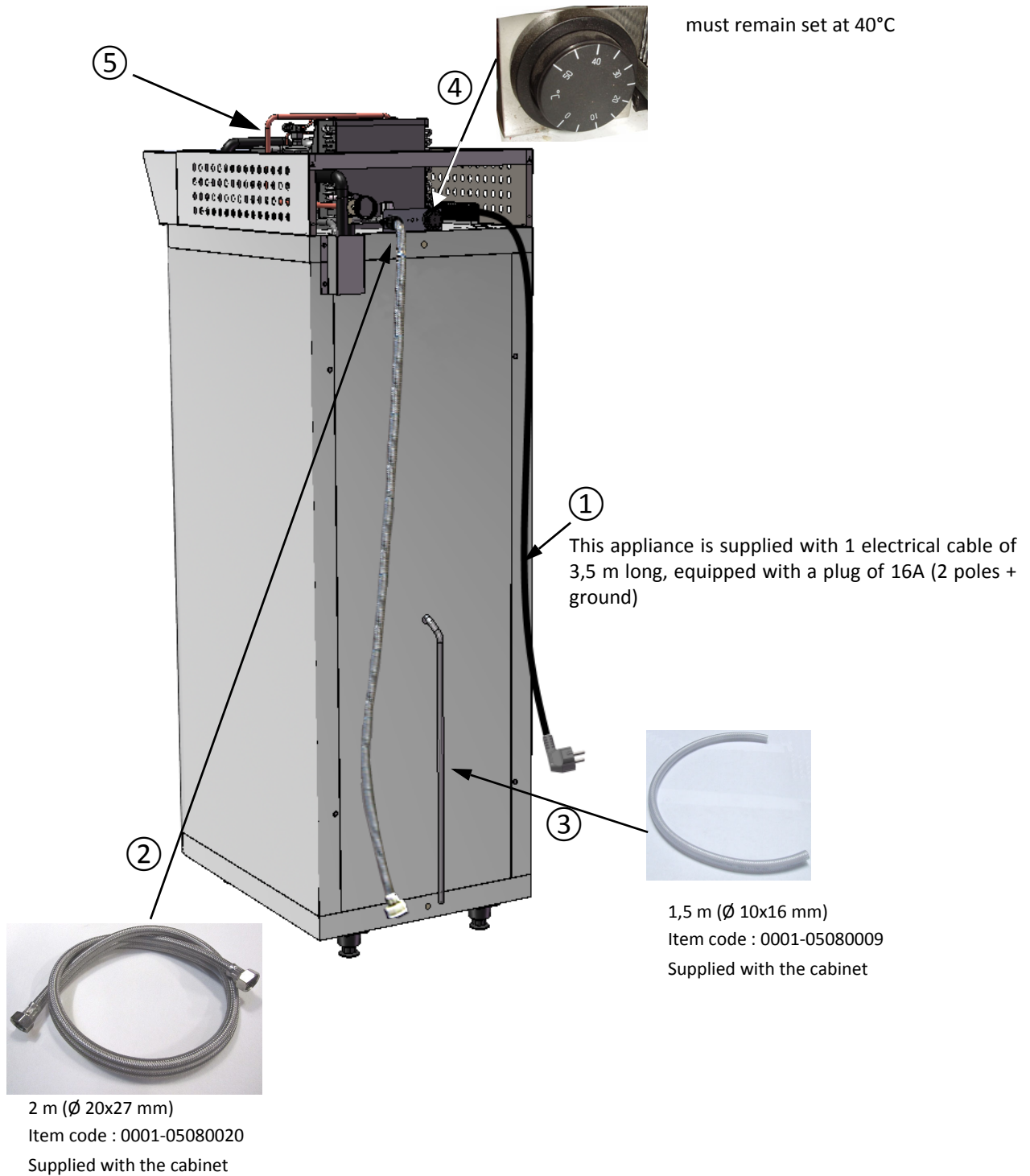
Panels thickness : 68 mm (except the rear panel : 60 mm).

Voltage : ~1x230V+N+G / 50 Hz - Cooling couplings : 3/8" - 1/4" - Refrigeration unit : 50 Hz

S-D-P : Feet adjustable from 85 mm to 122 mm (standard)

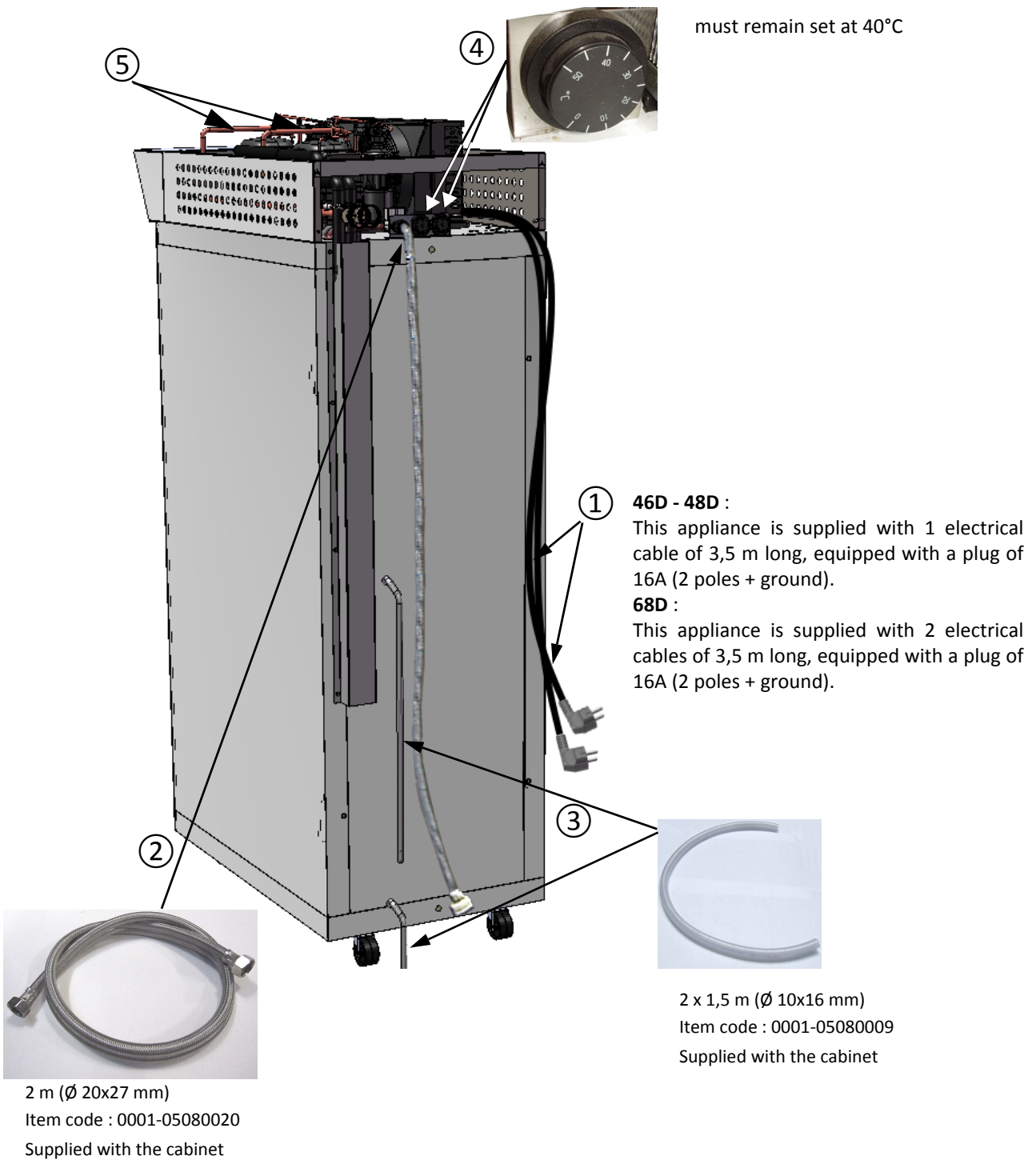
REAR VIEW / CONNECTIONS PRINCIPLE

Proofer cabinets : Single / Compact / Roll in

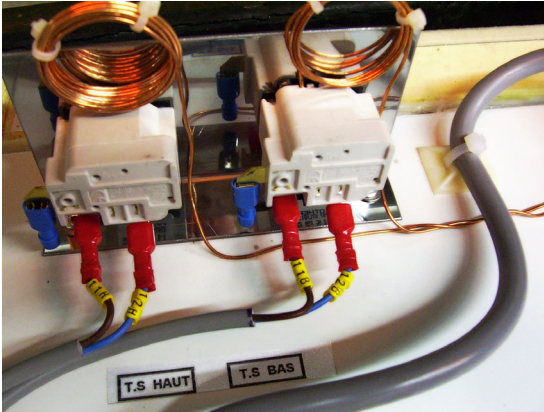
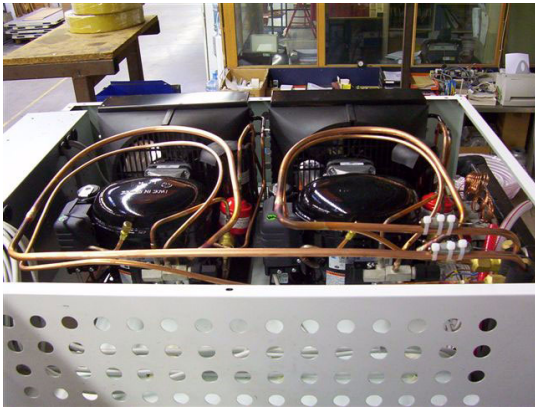


- ① Electrical connection through junction box at 1 m of the coupling point
- ② Cold water connection at 1 m of the coupling point
- ③ Condensation Drain
- ④ Safety thermostat
- ⑤ Refrigeration unit

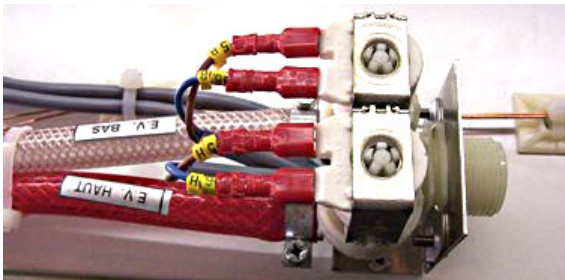
Proofer cabinet : Double



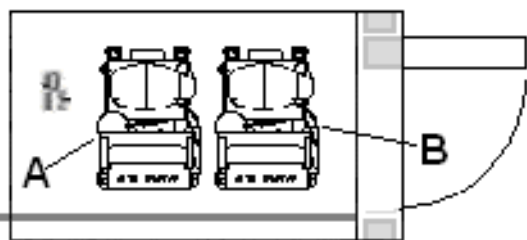
- ① Electric supply
- ② Cold water connection at 1 m of the coupling point
- ③ Condensation Drain
- ④ Safety thermostat
- ⑤ Refrigerating compressors



← Safety thermostat marked «11H - 12H» and «T.S Haut», protect the top compartment.
 Safety thermostat marked «11B - 12B» and «T.S Bas», protect the lower compartment.

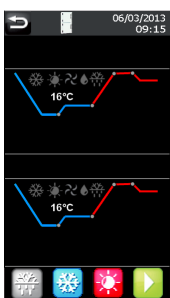


← Top compartment is supplied by the water solenoid valve connected to the red drain (at left or right) and marked «E.V. Haut».
 Bottom compartment is supplied by the water solenoid valve connected to the transparent drain (at left or right) and marked «E.V. Bas».



← Top compartment is managed by compressor B located at the front.

Bottom compartment is managed by compressor A located at the rear.



E-Drive :

Press the top curve to operate the upper compartment.

Press the bottom curve to operate the lower compartment.



Control panel with digital display

Use the upper control panel to operate the top compartment.

Use the lower control panel to operate the bottom compartment.



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