

INSTRUCTION FOR USE AND MAINTENANCE

COOLING SHOWCASES



Instructions for use and maintenance

In compliance with European Directives

CE

The manufacturer assumes no responsibility for any modifications or technical changes in content or data contained in this user guide. This user guide applies to all cooling equipment supplied by Gastro Production Ltd.

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1. Introduction

1.1 Orientation in the user guide

- This user guide has been designed so that the users can easily and quickly find the information necessary to manage the operation and maintenance of cooling equipment.
- The users should read the entire user guide with utmost attention and make sure they have perfectly understood all information contained in it.
- The user guide also serves for subsequent reference when needed. For this reason this user guide must be always available to the person operating the equipment.
- Searching this user guide is facilitated by the general table of contents, which allows immediately finding a specific location, and also by table of contents at the head of each section.
- In addition, next to some paragraphs, there are signs inserted to emphasize the importance of the information contained in those paragraphs, **which should be read with special attention.**

1.2 Explanation of symbols used in the user guide



Warning - Danger of electrical injury - refers to parts, where there is a danger of electrical injury. Read especially carefully.



Warning - Rotating parts - refers to parts, where there is a danger from rotating parts.



Warning – Risk of injury - refers to parts, where there is a risk of injury while touching the equipment in operation. Read especially carefully.



Warning - Important - refers to parts, where danger might occur, or to parts otherwise important. Read especially carefully.



Do not wash with pressurized water – it is forbidden to wash a part so indicated with pressurized water for risk of damaging the equipment.



Forbidden handling procedures – refers to parts, where there is a risk of damaging the equipment by handling it in a forbidden way.

2. Common Provisions

2.1 Transport and Unpacking

2.1.1 Transport

The client is obliged to check for the completeness and integrity of the packaging in which the equipment is transported, and seek compensation for potential damages caused during transport from the carrier in question. The equipment should be, if possible, transported onto the location designated for its operation in its original packaging.

2.1.2 Unpacking

After transporting the equipment on the location designated for its operation, remove all packaging.



Next remove all protective wrappings from outside and inside of the equipment. The consumer is obliged to dispose of all packaging in accordance with regulations valid in their respective countries!

2.1.3 Dismantling and Disposal

At the end of its service life, the equipment must be disposed of in accordance with regulations valid in the respective countries.

2.2 Test protocols, Warranty Conditions

2.2.1 Testing

All equipment is factory tested in accordance with applicable laws, technical standards and government regulations. For all equipment, a test report documenting the tests performed is drawn up and kept at the factory. The equipment is sent to the customer completely ready for use. An exception is equipment placed in a more complex dispensing lines and assembled on-site.

2.2.2 Warranty



Thank you for using our products. Our company will adhere to the relevant provisions of our "Terms and Conditions" and provide you with appropriate services upon submission of the invoice. **We offer a 12-month warranty from the date of purchase (invoice issue date).**

During the warranty period, our company is responsible for free replacement parts and related services if there is a device malfunction or quality issue during proper operation.



The free services do not cover the following damages:

- Failure to provide an invoice or alteration of invoice details.
- Damage caused during transportation (it is necessary to inspect the condition of the goods upon receipt from the carrier), installation, or improper connection and handling.
- Damage to components caused by failure to provide power and voltage according to the specifications in the technical data.
- Damage caused by disassembly of the products, modification, or alteration of mechanical and electrical structures without permission.
- Damage caused by improper operation, cleaning, or maintenance.
- Non-human-caused damages such as damage caused by abnormal voltage, fire, building collapse, lightning, floods, and other natural disasters, as well as damage caused by rats and other pests.
- Failure to follow the operating instructions during use.
- Wearable and consumable parts.



If the following conditions are not met, the complaint will not be considered: How to proceed with a complaint for the fastest resolution:

- **Product identification** – by submitting the order, invoice, or inspection label.
- **Description of the defect** – describe as thoroughly as possible why the product is being claimed.
- **Attach photos or video** (used to assess the claim resolution and possibly propose repairs and ensure spare parts needed for the repair).
- **Customer's request** for claim resolution – repair (service) / return, etc.
- **Contact person** and address where the product is located.

2.3 Safety

2.3.1 Safety - electric current

The device is factory-fitted with a connecting cord for conducting the electric current, terminating in a non-detachable plug. This plug can be plugged into an outlet with voltage system 1, N, PE ~ 230V, 50Hz (an EURO socket with protective pin, a SHUKO socket with protective contacts).



Only qualified electricians are allowed to exchange the plug. The wiring of the equipment can be handled only by persons possessing electrotechnical qualification and only after the manufacturer's approval. Interfering with the wiring is dangerous to life and may cause electric injury!



It is forbidden to touch the power supply cord plug, the control panel and other electrical components with moist or wet hands, or to wash them with pressurized water. There is a danger of electric injury!



Before carrying out maintenance work, it is necessary to pull the power supply cord plug and to make sure no electric current is flowing through the equipment (e.g. by turning on the main power switch and observing if the equipment remains powered off). If the equipment is connected permanently to the mains, it is necessary to turn off the corresponding circuit breaker, make sure the equipment is not functioning and secure the deactivated circuit breaker, e.g. by putting an “equipment under maintenance” sign on it.

2.3.2 Safety - mechanics

While operating the equipment, special caution is necessary during following operations:

- When opening or closing the doors. The doors are spring loaded and parts of limbs may become caught in them.
- When opening the blinds covering the condenser. When acting carelessly, there is a danger of cutting oneself at the condenser lamellas.
- When handling the sliding glass doors of showcases, which, in order to ensure proper insulation, have a considerable weight. Rough handling may lead to their breaking up or falling out, possibly resulting in injury.
- When tilting the covering glass panels of showcases for maintenance. They have a considerable weight and may cause injury when falling out.
- When handling the glass shelves for displayed goods, an increased caution is necessary.



- During the operation of the cooling unit, do not put your fingers or other objects through the condenser fan covers, the evaporator fan covers, or other fan covers. There is a risk of limb injury from rotating fan blades.

2.3.3 Safety - leaking substances

The coolant used does not pose any health risks.

2.3.4 Safety - thermal effects



During the operation of the cooling unit, the compressor body and the pipe ducts can reach considerably high temperatures – touching them may cause burns to the limbs. During the operation of the equipment, the condensate liquid evaporates from the evaporator tank. The tank and the heating bodies reach considerably high temperatures – touching them may cause burns to the limbs.

2.3.5 Safety - The refrigerants R290 and R600



We do not recommend handling the refrigerants R290 and R600 used in our cooling products. Any work involving these refrigerants should only be carried out by individuals with the necessary knowledge and qualifications. R290 is pure propane, and R600 is pure isobutane. These substances are highly flammable.

2.3.6 Safety - other hazards

The risk of overloading the glass shelves. The user must be aware, that the weight limit of shelves is 20kg. This risk is indicated by the “**max. 20kg**” warning label.

2.3.7 Proper use of Equipment



- The equipment is designed for normal use by an adult.
- It is not designed for rough handling or operation by children! The operators of the equipment must be thoroughly and demonstrably trained in its operation and a user guide must be available to them.
- The equipment must be operated in accordance with the instructions for use. The equipment can be used only for purposes for which it is intended.
- Do not place the equipment next to heat sources or on places directly illuminated by sunlight.
- Before filling the equipment with goods, let it cool to the target temperature first.
- Do not place any hot or warm dishes into the refrigerated space.
- Do not place any acidic foods into the refrigerated space, as this may cause damage to the evaporator.
- Keep the refrigerated space clean.
- Do not leave the doors to the refrigerated space open – this reduces the equipment performance and lifetime.
- Regularly check the equipment and perform maintenance work according to this guide.

COOLING SHOWCASES

The equipment is able to operate properly under these conditions:

- Altitude up to 1000m above sea level
- Ambient temperature near the equipment in the range from 15°C to 25°C
- Relative humidity max. 60%
- The equipment is not placed in direct sunlight
- The equipment is not placed close to sources of heat (heaters, deep fryers, heating dispensing basins, frying plates, cooling units of other devices etc.)
- The equipment is not placed close to steam generating devices (heating dispensing basins, pasta heaters, convection ovens, etc.)

3. Technical Features

3.1.1 Technical Description of Cooling showcases

Cooling showcases serve for cooling and preservation of foodstuffs that spoil at room temperature. These display cabinets are not permitted to be used for other purposes without express permission and eventual structural changes by Gastro Production s.r.o. These display cabinets have been designed for best results provided that all instructions contained in this user guide are followed. For the display cabinets to be used in the best way possible and to be always kept in perfect condition, we recommend that you perform the maintenance work regularly. The personnel operating the display cabinets must be necessarily familiarised with instructions regarding to operation, maintenance and safety, as contained in this user guide. The display cabinets utilize forced circulation of cooled air. According to way of use we distinguish among self-service display cabinets open on the customer's side, self-service display cabinets closed on the customer's side by tiltable Perspex covers, and finally utility display cabinets closed by doors on the side of the operator.

3.1.2 Technical Description of Cooling showcases type BH and KE

Cooling showcases are made from rigid self-supporting stainless structure. The base body of the refrigerated space is made from stainless metal sheet insulated with polyurethane foam. Display cabinet superstructure is made from stainless structure fitted with insulated glazing. Glass shelves are height adjustable. Cooling showcase KE has a extension with lowered cooling table underneath. The extension of this display case is made of stainless steel structure with insulated glazing. There can be clappers, sliding doors or full glass back on the service's side and the customer's side. One side must always be accessible. The Cooling showcase BH has a stainless steel stand and extension is made of stainless steel structure with insulated glazing.

The temperature of the refrigerated space (KE) is adjustable **from 3°C to 8°C**. The temperature of the refrigerated space in the cooling table under the display cabinet KE is adjustable **from 3°C to 8°C**. The temperature of the refrigerated space (BH) is adjustable **from 3°C to 8°C**. The temperature of the refrigerated space is maintained by an electronic control unit. The electronic control unit automatically manages the process of cooling the refrigerated space and the process of defrosting the icing forming on the evaporator. The resulting condensate liquid is either evaporated automatically or discharged into the prepared drain.

3.1.3 Technical Description of Cooling showcases type SUSHI and PB

Cooling showcases are made from rigid self-supporting stainless steel structure. Suitable for shops or gas station, where customer can take the products out of the showcase on their own (without any help of the staff). Cooling showcase PB has a blind that can be used to cover the front of the display case. You can choose wing doors, but only up to a certain size - 1200mm. SUSHI display cabinet has side stainless steel triangular frames with glass and PB display cabinet has side stainless steel frames with glass.

The temperature of the refrigerated space (SUSHI) is adjustable **from 0°C to 6°C**. The temperature of the refrigerated space (PB) is adjustable **from 3°C to 8°C**. The temperature of the refrigerated space is maintained by an electronic control unit. The electronic control unit automatically manages the process of cooling the refrigerated space and the process of defrosting the icing forming on the evaporator. The resulting condensate liquid is either evaporated automatically or discharged into the prepared drain.

3.1.4 Technical Description of Wine/Meat showcases

For Meat - Showcase creates conditions for professional meat maturation, maintaining constant humidity of 80–85% to ensure proper aging without volume loss. Designed for butcher shops, gourmet restaurants, and meat presentations. **For Wine** - Showcase recreate the ideal conditions of a traditional wine cellar for your wine. This type of showcase is designed for wine shops, wine presentation or restaurant and many others. Meat showcases look similar to wine showcases, but they differ in their internal layout and functions adapted specifically for storing meat/dry aged. In the following text, the term “*Wine/meat showcase*” will be used, as both maintenance and operation are very similar.

The glass ensures a clear view of the bottles, and thanks to the LED lighting, it appears more attractive. The showcase can have various surface finishes (brushed stainless steel, high-gloss stainless steel, and various other surface and color finishes), overall appearance (backs and sides that can be either stainless steel or glass, and doors on both sides), and interior arrangement (shelves made of stainless steel or oak, fixed tubes for laying bottles, and tubes for bottles placed at an angle). The temperature of the cooled space in the wine showcase is adjustable from +3°C to +8°C and for meat showcase is adjustable from +1°C to +5°C. The temperature is maintained by an electronic control unit. The electronic control unit automatically manages the cooling mode of the space.

3.1.5 Other types of showcases


If not specifically mentioned in the maintenance section or otherwise described in this manual, the product is considered non-standard, and therefore individual maintenance and handling may apply. In most cases, the showcase is based on or similar to an existing standard model, and its maintenance will not differ significantly. For example, the Edeka showcase is similar to the PB model, so its maintenance will be comparable.

3.2 Dimensions and technical specification

Dimensions of the equipment and technical specification can be found according to the type of equipment at www.gastro.cz.

3.3 Type Labels

Illustrative example.

| | | |
|---|---|----|
|  | GASTRO PRODUCTION s.r.o. | CZ |
| | Zemědělská 500, 373 81 Kamenný Újezd | CE |
| SN: 2025_OBP-..... | Type: | |
| Refrig. Capacity: kW | | |
| Input P: kW | V1-000000-0000 | |
| Current load Iv: A | Climatic class "3" | |
| Cooling medium: Amount: | OBP-..... | |
| Voltage system: | | |

4. Installation and Operation

4.1 Setting the Equipment



Always proceed carefully and slowly when handling the equipment to avoid damage or injury! Consider the weight of the equipment. Ideally, four people are required to handle the equipment. After unpacking, place the equipment in a horizontal position at the designated location.



Warning! Ensure that the equipment is positioned so that the condenser is accessible, as it needs to be cleaned regularly. When installing the equipment into custom furniture, ensure that there is adequate airflow at the level of the unit through perforations in the furniture.

4.2 Connecting to the electric network

The device is factory-fitted with a connecting cord for conducting the electric current, terminating in a non-detachable plug. This plug can be plugged into an outlet with voltage system 1, N, PE ~ 230V, 50Hz (an EURO socket with protective pin, a SHUKO socket with protective contacts). Insert the plug of the connecting cord into the outlet. Ensure that the plug remains accessible to the operator. The cord cable must be laid out visibly and without any sharp bends. The cord cable must not be laid out across sharp edges of any sheet metal or other components.

4.3 Turning on the Equipment



After positioning the equipment, wait at least 30 minutes before turning it on. During the winter months, wait 12 hours at room temperature.

Turn on the equipment by setting the main power switch to **position 1**. **The indicator light should come on.** For setting the temperature of the refrigerated space on the electronic control unit, refer to section 5.

4.4 Filling the equipment with goods

After the refrigerated space reaches the target temperature, you may fill it with goods. **Please follow the principles of proper use of equipment outlined.**



- Do not place any hot or warm dishes into the refrigerated space.
- Do not place any acidic foods into the refrigerated space, as this may cause damage to the evaporator.

4.5 Operation of the Equipment



- Keep the refrigerated space clean.
- Do not leave the doors to the refrigerated space open – this reduces the equipment performance and lifetime.
- Regularly check the equipment and perform maintenance work according to section 6 of this user guide.

5. Electronic Control Unit

The Cooling equipment is controlled by DIXELL and DIXELL XW60K with T620 is for wine/meat showcases. The Cooling equipment can be controlled by a DANFOSS thermostatic valve that controls the temperatures. Based on this data, it lets in warm or cooled air. The manufacturer takes no responsibility for any equipment malfunction resulting from interfering with the electronic control unit settings. This provision does not apply to settings permitted by this user guide **For proper cooling function and condensation evaporation from the evaporator tray, the product needs to be set to 'stand-by' mode. This can be done as follows:**

- **Press the lower right button to turn the 'stand-by' mode on/off.**
- **Display shows 'OFF' / after turning on, the temperature value (...°C) will appear on the control unit display.**

5.1 Description and Dimensions

DIXELLS are electronic thermostats with passive defrosting. They are fitted with a microprocessor and are suitable for refrigeration applications at normal temperatures. They are suitable for mounting on panels and their dimensions are 32x74 mm. They have one, two or three relay outputs to control compressor, fan, defrosting, lighting. It is possible to connect up to three PTC or NTC sensors to them.

Technical parameters

Wrapping: **self-extinguishing plastic ABS**

Case: **front panel: 32 x 74mm, depth: 60mm**

Mounting: **into the panel with cut-out aperture of 71 x 29mm**

Front panel cover: **IP65**

Attachment: **barrier strip for conductors with up to 2.5mm² cross section.**

Supply voltage: **230V~, ±10%; 50, 60Hz**

Input power: **3VA max**

Data memory: **EEPROM**

Working temperature range: **0 to 60°C**

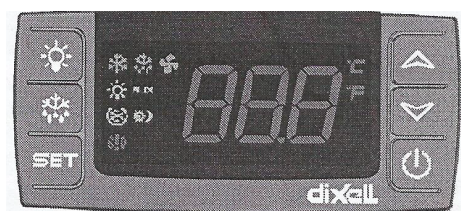
Temperature range for storage: **-30 to 85°C**

Relative humidity: **20 to 85%**






Accuracy (at ambient temperature of 25°C): **±0,7°C±1 digit**

5.2 Operating Mode - DIXELL





FRONT PANEL COMMANDS:









Button description

| | |
|---|--|
| SET | <i>Displays the desired value. In programming mode serves for selecting a parameter or confirming an operation.</i> |
|  | <i>(UP): Displays maximum temperature recorded. In programming mode serves for navigating the parameter list and increasing the displayed value.</i> |
|  | <i>(DOWN): Displays minimum temperature recorded. In programming mode serves for navigating the parameter list and decreasing the displayed value.</i> |
|  | <i>Turns the device on and off.</i> |
|  | <i>Turns the lighting on and off, if available.</i> |
|  | <i>(DEF): Initiates manual defrost.</i> |



Key combinations

| | |
|---|---|
|   | <i>Locks and unlocks the keyboard.</i> |
| SET  | <i>Enters the programming mode.</i> |
| SET  | <i>Returns to displaying the value of the refrigerated space temperature.</i> |



Bedeutung der einzelnen Kontrollleuchten

| | |
|---|--|
|  | <i>Lit up - Compressor running</i> <i>Flashing - Compressor minimum cycle delay</i> |
|  | <i>Lit up - Defrosting in progress</i> <i>Flashing - Dripping in progress</i> |
|  | <i>Lit up - Fans running</i> <i>Flashing - There is a time delay for the fans to switch on during defrost</i> |
|  | <i>Lit up - Alarm</i> |
|  | <i>Lit up - A continuous cooling cycle is in progress</i> |
|  | <i>Lit up - Energy saving cycle</i> |
| °C / F | <i>Lit up - Measured units</i> <i>Flashing - Programming mode</i> |

Displaying minimum recorded temperature

1. Press the  button.
2. A "Lo" message appears on the display followed by minimum recorded temperature.
3. After another pressing of the  button or a 5s wait the device returns to normal mode of operation displaying the measured temperature.

Displaying maximum recorded temperature

1. Press the  button.
2. A "Hi" message appears on the display followed by maximum recorded temperature.
3. After another pressing of the  button or a 5s wait the device returns to normal mode of operation displaying the measured temperature.

Resetting the recorded MIN. / MAX. temperatures



1. While viewing either of the MIN. / MAX. temperatures, press the **SET** button for more than 3s, until the "rSt" message appears.
2. Confirm the operation by again pressing the **SET** button. The "rSt" starts flashing. The device resumes displaying the current temperature.

MAIN FUNCTIONS

Displaying the Target Temperature

1. Shortly press the **SET** button. The device displays the target temperature.
2. To again display the current temperature, shortly press the **SET** button again or wait 5s.



Setting the Target Temperature

1. Hold the **SET** button for more than 2s.
2. The device starts displaying the target temperature and the °C warning light starts flashing.
3. The target temperature can be adjusted by pressing the  or  buttons (within 10s interval).
4. The new target temperature is confirmed either by again pressing the **SET** button or automatically after 10s interval.



Initiating Manual Defrost

1. Press and hold the  for more than 2s.



Locking the Keyboard

1. Hold the  +  buttons simultaneously for at least 3s.
2. The **"POF"** message appears and the keyboard is locked. Now it is only possible to see the target temperature or the MIN. / MAX. recorded temperature.
3. Upon pressing any key for more than 3s, the **"POF"** message appears.



Unlocking the Keyboard again

1. Hold the  +  buttons simultaneously for at least 3s, until the **"PON"** message appears.

The Continuous Cycle

1. Unless there is defrost in progress, it is possible to initiate the continuous cycle by pressing the  button for more than 3s. The compressor enters the continuous cycle and operates to maintain the CCS setpoint for the time set through the CCt parameter. The cycle can be terminated before the end of the set time by pressing the  button for more than 3s.

The ON/OFF Function

1. The device can be turned off by pressing the  button. The **"OFF"** message appears. In this configuration, the regulation is disabled. To switch the controller on, again press the  button.

WARNING! - Loads connected to the normally closed contacts of the relays are always supplied and under voltage, even if the controller is in stand-by mode.

5.3 Programming Mode



Activating the programming mode is allowed only to servicing organisations with permission from the manufacturer.

6. Maintenance

6.1 General Safety Measures



Before commencing maintenance, study this user guide thoroughly.

Follow the instructions contained in section **2.3 Safety**.



Before carrying out maintenance work, it is necessary to pull the power supply cord plug and to make sure no electric current is flowing through the equipment (e.g. by turning on the main power switch and observing if the equipment remains powered off).

If the equipment is connected permanently to the mains, it is necessary to turn off the corresponding circuit breaker, make sure the equipment is not functioning and secure the deactivated circuit breaker, e.g. by putting an “equipment under maintenance” sign on it.

During maintenance work, proceed with caution and without haste.



- Do not use pressurized water for washing the equipment, there is a risk of damage to ventilator fans, compressor, electronic components and to the whole equipment as a consequence!
- To clean the equipment use a common kitchen detergent approved for use with foodstuffs!
- It is forbidden to pour water into the cooling basin of the display cabinet. The drain pipe is intended only for discharging the condensate liquid. Pouring water into the basin would result in overflowing of the evaporator basin for the condensate liquid, possibly damaging the cooling unit!

6.2 Regular Maintenance

6.2.1 Inspection

(For the SUSHI showcase, we only perform an inspection of the unit chambre, see 6.2.1.3, and for any other issues, please contact service.). If the showcase is intended for meat, fish, or sushi, please read section 6.2.1.8 carefully. In the following text, the term "Wine/meat showcase" will be used, as both maintenance and operation are very similar. Edeka showcase is similar to the PB model, so its maintenance will be comparable.

6.2.1.1 Evaporator

- Remove the cover (*number in the technical drawing – 3. (BH), 11. (PB), 3. (KE) and 1. (Wine/meat showcase – depends on the type -> aggregate can be in the lower part or upper part)*).



- Ascertain visually that the evaporator is not iced. An iced evaporator must be left to defrost.

- If it is possible to lift the evaporator on its pivot points, lift the evaporator and wipe the basin dry with a rag.
- Take care when wiping, as the evaporator lamellas are sharp and there is a risk of limb injury.
- Check the drain hose to make sure that the condensate drainage is unobstructed. If the hose is clogged, clean it using a drain cleaning cable. Also remove any sediment from the evaporator tank (*number in the technical drawing – 2. (BH), 3. (PB and KE) in the stand assembly and 1. (Wine/meat showcase)*).

6.2.1.2 Evaporator fans

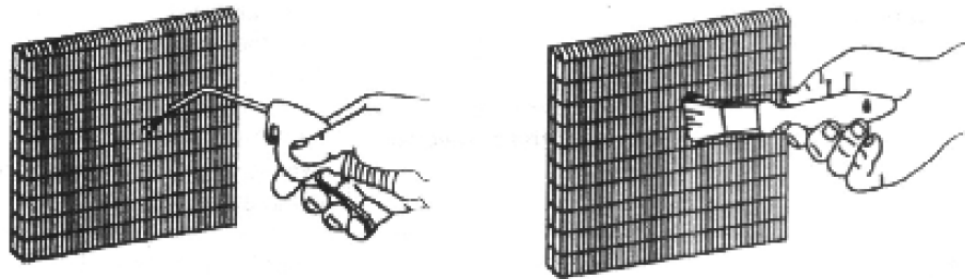
- Check manually that the evaporator fans move freely. Have any immobile fans replaced.

6.2.1.3 Compressor

- Remove the covering blind of the cooling unit (*number in the technical drawing – 1. (PB, KE and SUSHI), 12. (BH) in the stand assembly and 1. (Wine/meat showcase)*) by first lifting it gently upward, then sliding its lower part out and removing it completely.
- Remove any deposited dust from the compressor (*number in the technical drawing – 1. (PB, KE and SUSHI) in the stand assembly, 13. (BH) and 1. (Wine/meat showcase)*) by or using a compressed air blower.
- From the vicinity of the compressor, remove any undesirable material that would obstruct the free flow of air.

6.2.1.3 Condenser

- Check that there are no dust deposits or other particles on the condenser lamellas (*number in the technical drawing – 1. (PB, KE and SUSHI) in the stand assembly, 13. (BH) and 1. (Wine/meat showcase)*). **While pointing a flashlight towards the lamellas, you should be able to see through them!**
- Remove any eventual impurities with a brush or a compressed air blower.



- If it is not possible to clean the condenser, contact a servicing organisation. The condenser needs to be replaced, failing to do so would result in destruction of the whole cooling unit.
- Use increased caution during cleaning, there is a danger of cutting oneself at the condenser lamellas.
- If the condenser fan is readily accessible, check manually that the fan rotates freely. If the fan is inaccessible, it is necessary to check that the fan is functioning correctly during operation, in the following way: Provided that the condenser is clean, put an A4 sheet of paper against the front side of the condenser while the cooling unit is in operation. The sheet of paper should cling firmly to it and not fall off.

6.2.1.5 Sealing surfaces

- Check all rubber sealing on doors, drawers, etc. Replace all damaged sealing.

6.2.1.6 Lighting

- Ascertain visually that the Perspex covers of the lights (*The LED lighting is located under each glass shelf, except in the wine/meat showcase, where it is corner-mounted and situated in the columns on the sides of the showcase*) are not damaged. Have any damaged covers replaced by a servicing organisation.

6.2.1.7 Hinges, sliding surfaces

- Check that all hinges rotate freely and are properly spring-loaded.
- Also check that all hinges are properly attached and do not show signs of deformation.
- Check that sliding surfaces move freely without snagging.
- **Do not lubricate the hinges or sliding surfaces with any petroleum jelly or oils!**
- Have any faulty hinges or sliding surfaces replaced by a servicing organisation.

6.2.1.8 Ventilation apertures

- Ensure that all ventilation apertures are unobstructed and clean.
Mechanically remove any eventual impurities by vacuuming or using a compressed air blower.



- **Never place any obstacles in front of the ventilation apertures!**

6.2.1.9 Interior spaces of showcase

- Ensure that the interior spaces of the showcase remain clean and hygienic. Pay special attention to units designed for meat - fish or sushi showcase, as these tend to accumulate grease, residues, and unpleasant odours.
- When cleaning, consider the type of shelves and the materials they are made of – this will determine the appropriate cleaning agents to use.
- Always use a damp cloth or a soft sponge. After cleaning, make sure to thoroughly dry all surfaces to prevent mould formation and corrosion.

6.2.1.10 Surface Maintenance – Stainless steel

- To ensure a beautiful and long-lasting stainless steel surface, it is crucial to clean the steel table properly. Correct cleaning can prevent corrosion issues and maintain corrosion protection.
- Any spills should be dried as soon as possible to avoid stains.

- For daily cleaning, use a mild detergent, soapy water, and a soft cloth. Always rinse with clean water afterward. Drying the stainless steel surface with a cloth will prevent water stains from dried residue.
- For thorough cleaning, a suitable stainless steel cleaner is recommended. Lime deposits can be removed with cleaning powder and a soft cloth. Take care to brush in the direction of the steel's grain. Ensure that the cleaner does *not* contain chlorides, ammonia, etc.
- Use a nylon sponge to remove scratches on the surface, brushing in the grain direction.
- The surface can be treated with a spray that provides a protective film.
- Placing hot items on the surface may cause staining.



Never use on stainless steel:

- Abrasive sponges/powder - they leave scratches.
- Cleaners with chlorine if left for a long time - can dull the surface.
- Steel wool sponges - steel particles may get embedded in the surface and cause rust.
- Kitchen salt - must be rinsed off to avoid rust spots.
- Iron-containing items left in a stainless steel sink "overnight" - can cause stains.

6.2.2 Maintenance

6.2.2.1 Daily maintenance

- During maintenance work, follow the instructions contained in section **6.1 General Safety Measures**.
- After finishing daily operation, turn off the equipment. Remove the foodstuffs from the equipment, clean the refrigerated space and wipe it dry. Leave the refrigerated space open to prevent any lingering odors.
- When performing maintenance work during continuous operation, turn the equipment off, remove any foodstuffs from it and place them in another

refrigerated space. Clean the refrigerated space and wipe it dry. Turn the equipment on and let it cool to the target temperature. After that, put back the foodstuffs.

- **While the equipment is turned off, perform maintenance as detailed in sections 6.2.1.1-6.2.1.2 and 6.2.1.8.**

6.2.2.2 Monthly maintenance


- During maintenance work, follow the instructions contained in section **6.1 General Safety Measures.**
- During monthly maintenance perform tasks detailed in sections **6.2.1 Inspection and 6.2.2.1 Daily Maintenance.**

7. Forbidden handling procedures



- **Do not use the equipment for other purposes than intended!**
- **Do not interfere with the circuitry of the equipment!**
- **Do not perform any other activities forbidden elsewhere in this user guide!**
- **Do not wash the equipment with pressurized water!**
- **Do not overload the glass shelves and the drawers in the refrigerated space!**
- **Do not handle the equipment roughly!**
- **It is forbidden to operate the equipment without prior training and without having this user guide available!**

8. Table of possible malfunctions and their correcting

| <i>Malfunction name</i> | <i>Control unit message</i> | <i>Possible correction method</i> |
|--|-----------------------------|---|
| <i>Malfunctioning refrigerated space probe</i> | PF1 | Replace thermal probe |
| <i>Malfunctioning evaporator probe</i> | PF2 | Replace thermal probe |
| <i>Display cabinet not cooling</i> | HiA | Check the display cabinet as per section 6.2 Regular Maintenance. After inspection, turn the equipment on again and let it operate for at least 60 min. If the problem persists, contact a servicing organisation. |
| <i>Light not working</i> | No message | Check the light by pressing the  button. If the light does not turn on, there is a faulty current transformer 9. Contact a servicing organisation. |

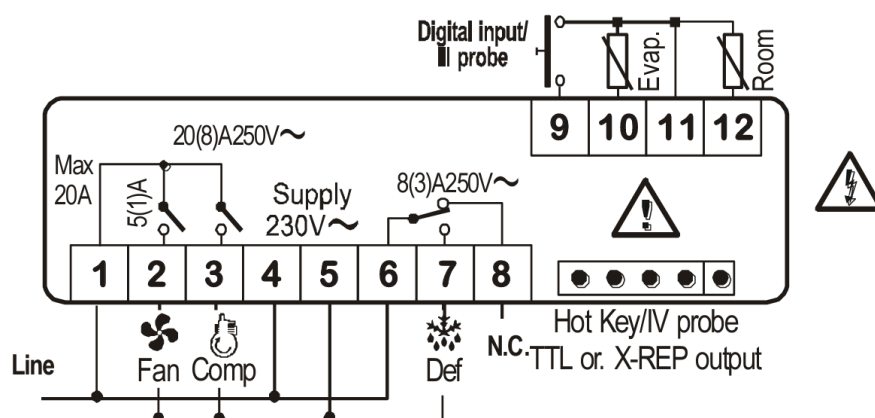
9. Inquiries

If you need help and advice, do not hesitate to contact us, and we will assist you with everything. You can find our contact information on our website www.gastro.cz.

Appendix 1

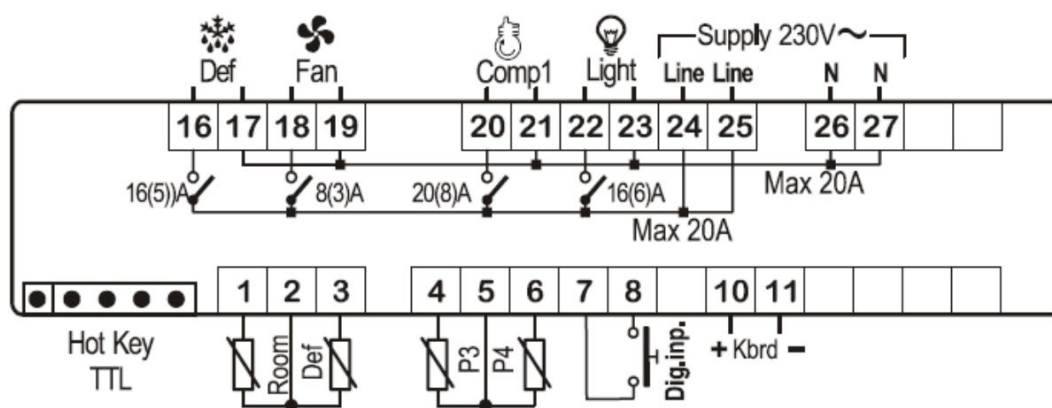
Control unit – Wiring diagram

DIXELL XR60CH



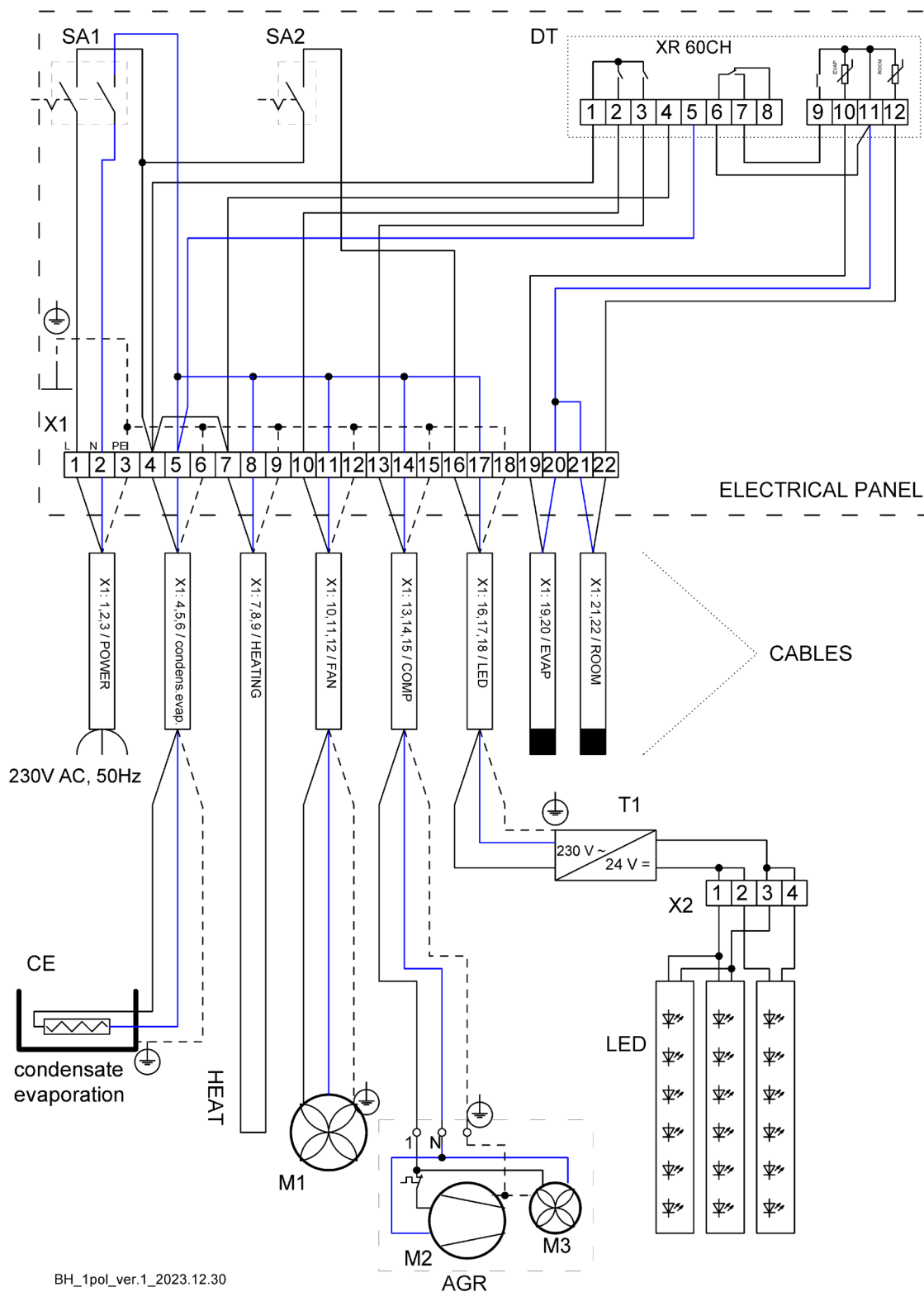
120Vac supply:
connect to the
terminals 5 and 6.

DIXELL XW60K (Wine/meat showcase)



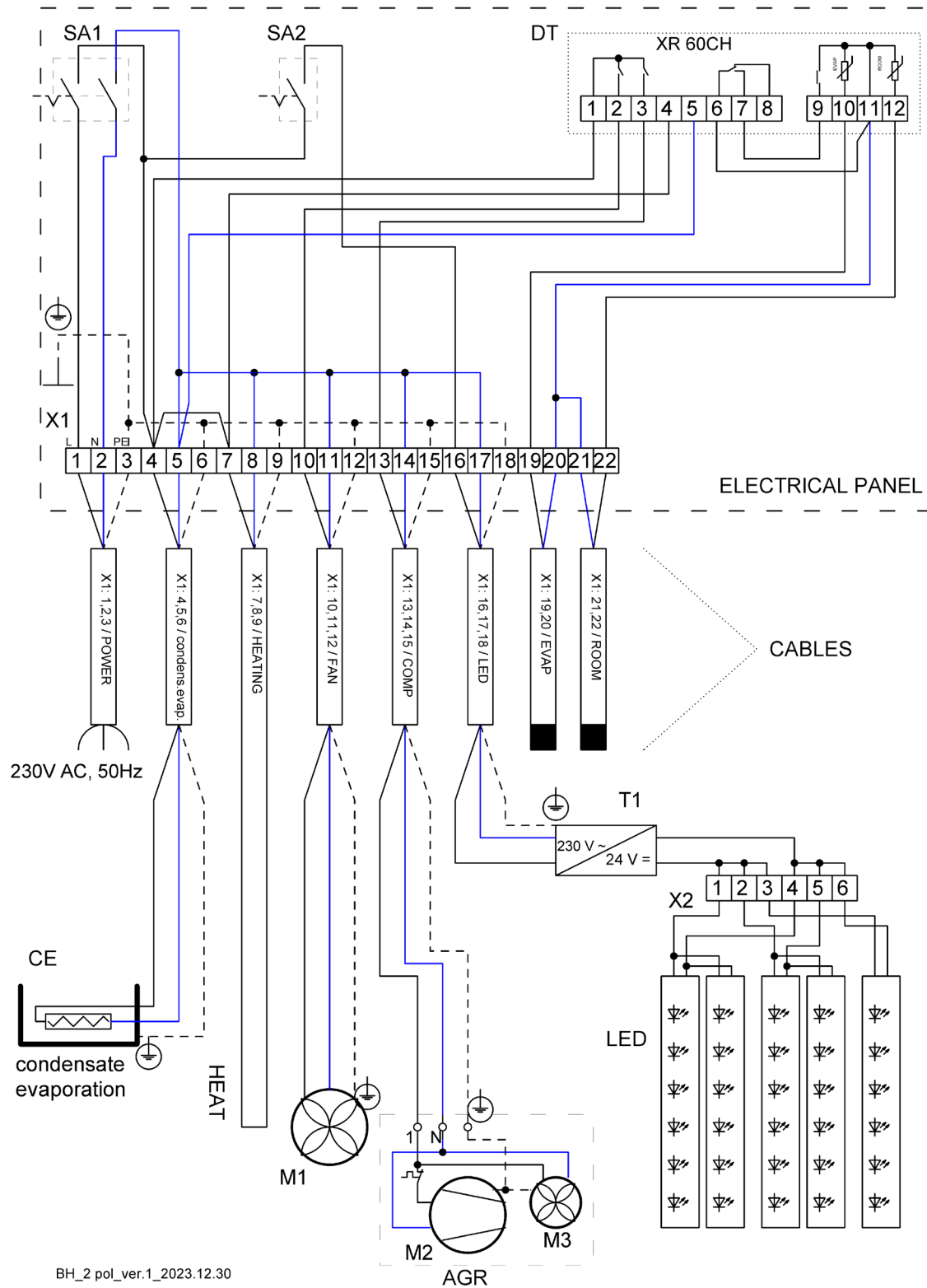
Appendix 2.1

Cooling showcase BH (1x shelf) – Wiring diagram



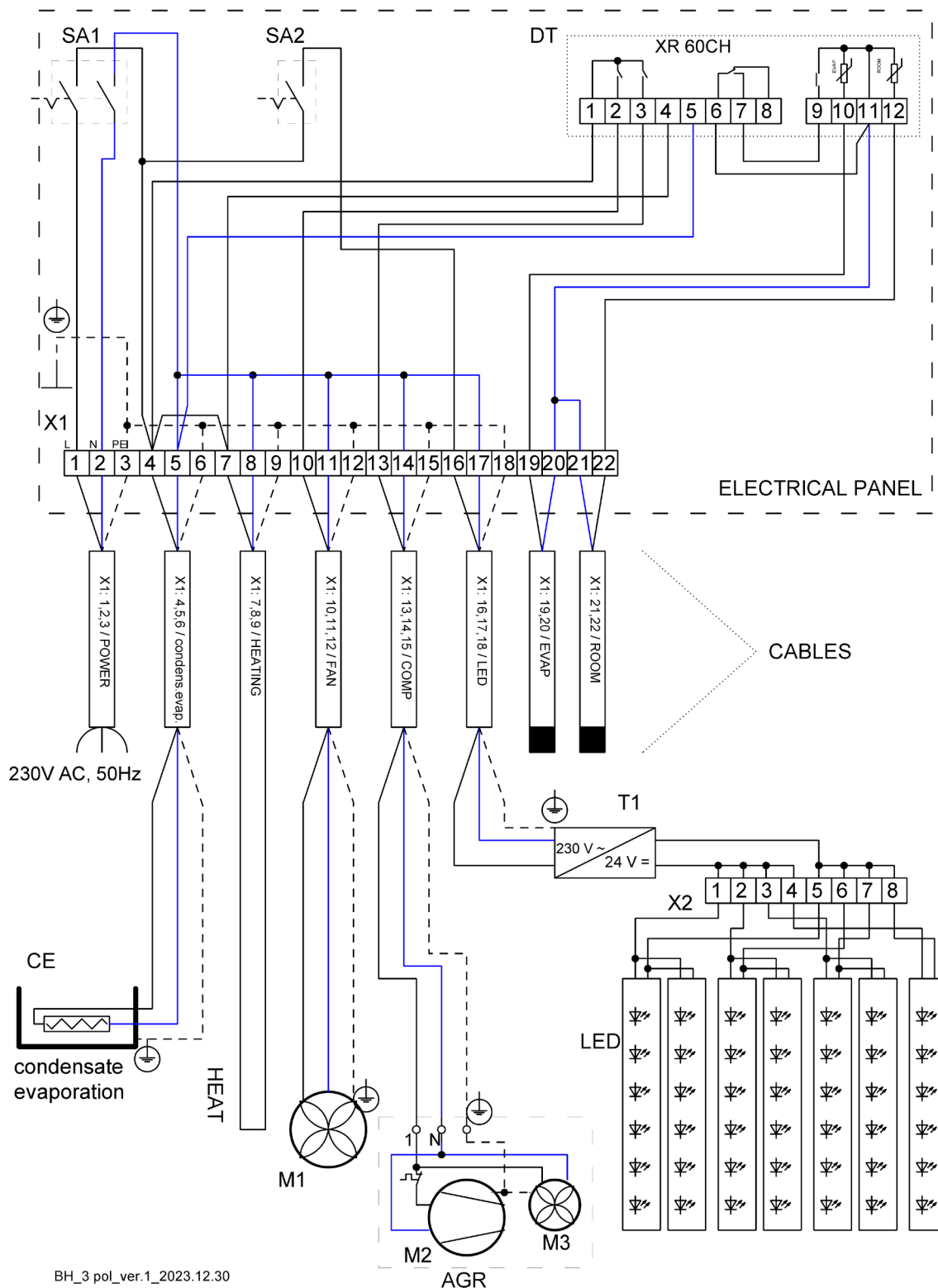
Appendix 2.2

Cooling showcase BH (2x shelf) – Wiring diagram



Appendix 2.3

Cooling showcase BH (3x shelf) – Wiring diagram



Legend:

SA1 – Main switch

SA2 – LED switch

DT – Control unit

X1 – Connection terminal block

T1 – LED lighting source

X2 – Connection terminal block LED

LED – LED lighting

M1 – Evaporator fan motor

AGR – Aggregat

M2 – Compressor motor

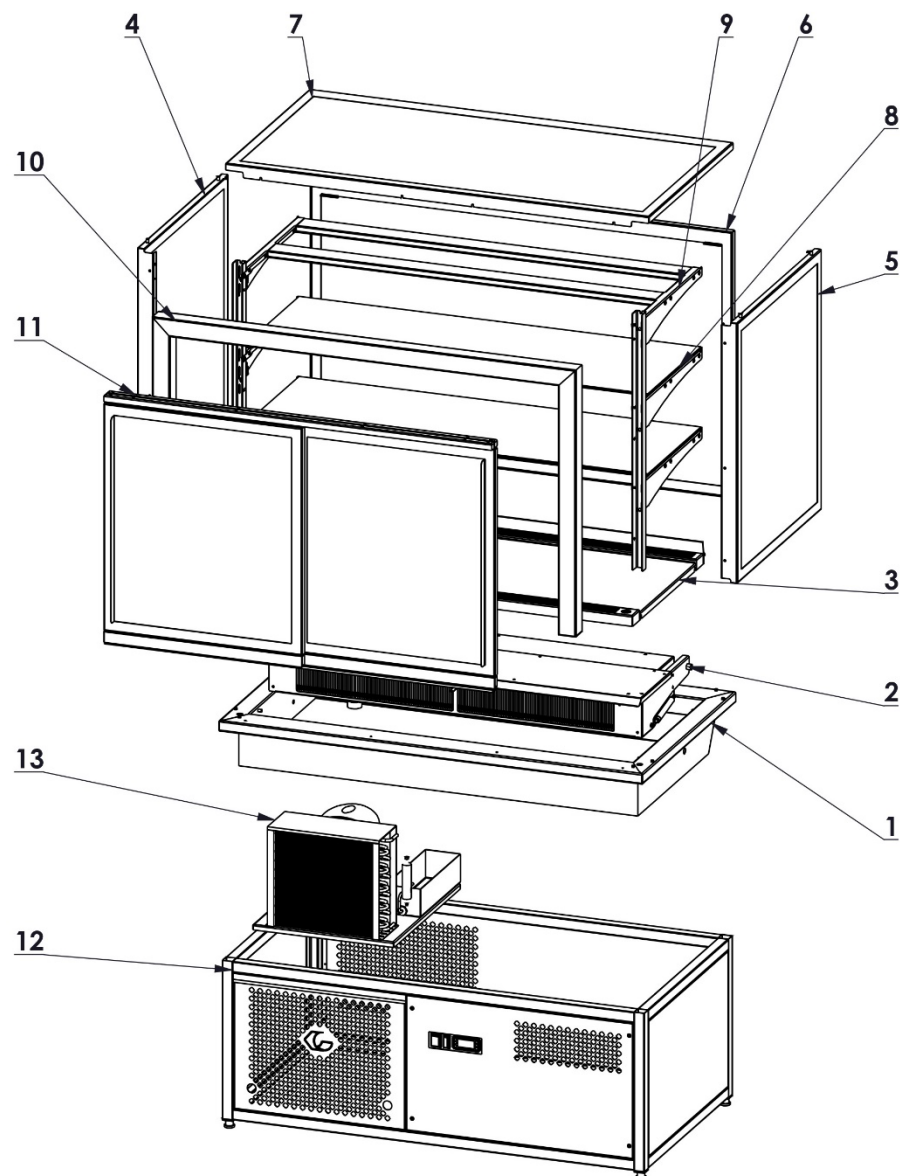
M3 – Condenser fan motor

HEAT – Heating under the door

CE – Condensate evaporation

Appendix 2.4

Cooling showcase BH – Technical drawing



Legend:

1. Plate with tub
2. Evaporator and gas struts
3. Cover panel with inhalation and exhalation
4. Left side frame with glass
5. Right side frame with glass
6. Front frame with glass
7. Upper frame with glass
8. Glass shelf
9. Upper light
10. Door frame
11. Sliding doors
12. Stand
13. Aggregate (condenser, compressor, evaporation tray with heating element, filter)

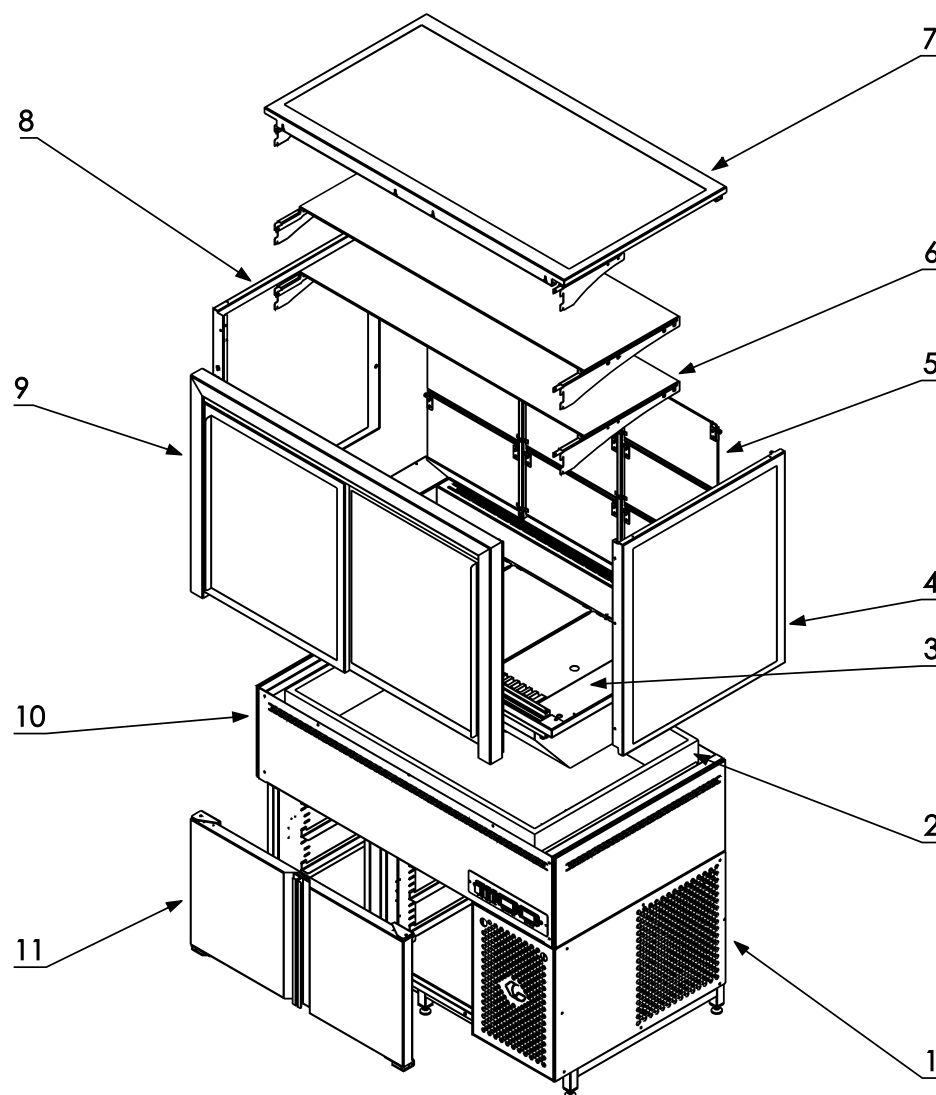
Appendix .1

Cooling showcase KE – Wiring diagram

We are updating the wiring diagram to provide more detailed information. For any questions, please contact us.

Appendix 3.2

Cooling showcase KE - Technical drawing



Legend:

1. Lowered cooling table
2. External tub with evaporator, fans and inhalation with exhalation
3. Indoor tub with Cover panel and evaporator
4. Right side frame with glass
5. Clappers
6. Glass shelf
7. Upper frame with glass
8. Left side frame with glass
9. Front frame with sliding doors
10. Outer cover
11. Wing doors of the cooling table

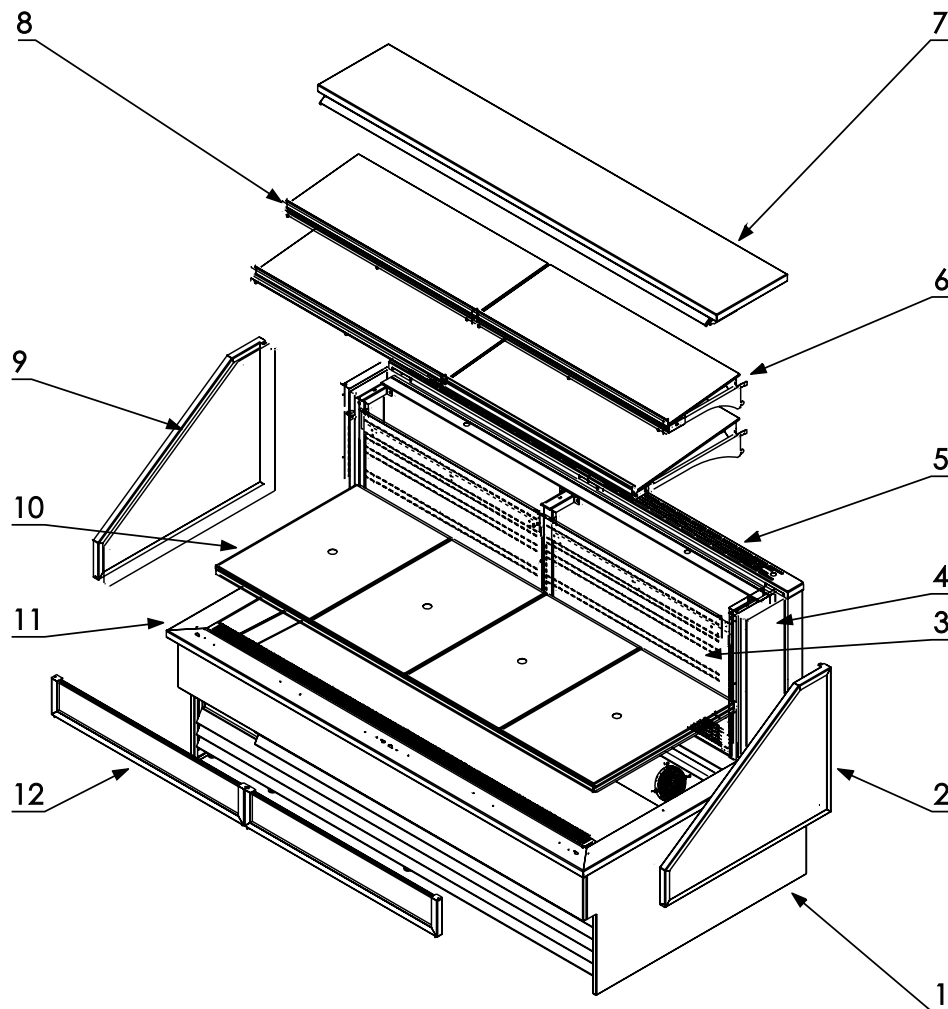
Appendix 4.1

Cooling showcase SUSHI – Wiring diagram

We are updating the wiring diagram to provide more detailed information. For any questions, please contact us.

Appendix 4.2

Cooling showcase SUSHI - Technical drawing



Legend:

1. Stand with aggregate (Compressor, Condenser, Tub, refrigerant collector...)
2. Right side triangular frame with glass
3. Perforated plate in front of the evaporator
4. Side plate
5. Grid
6. Glass shelf
7. Top plate
8. Price tag holder
9. Left side triangular frame with glass
10. Cover panels
11. Frame and inner tub with fans
12. Front frame with glass

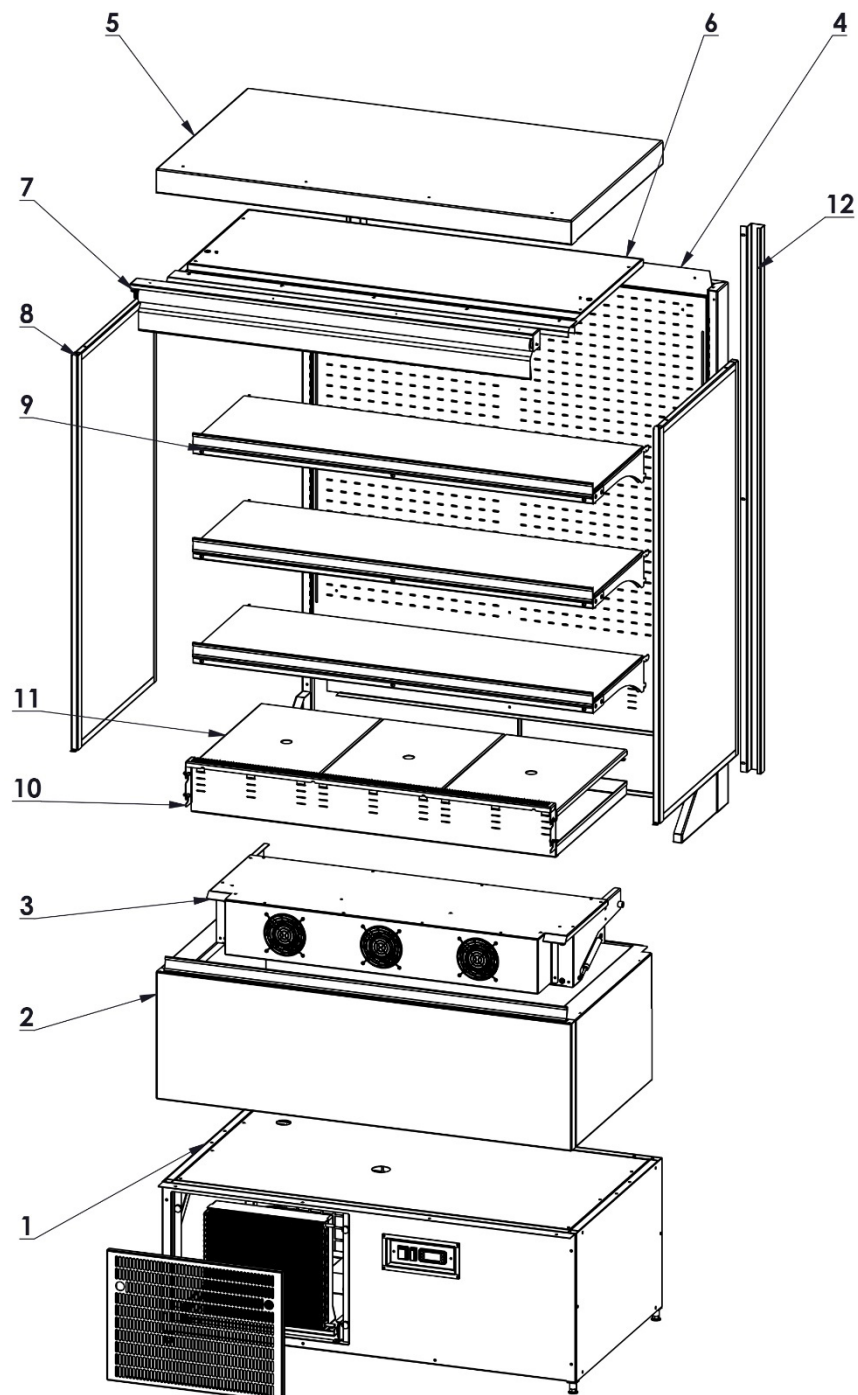
Appendix 5.1

Cooling showcase PB – Wiring diagram

We are updating the wiring diagram to provide more detailed information. For any questions, please contact us.

Appendix 5.2

Cooling showcase PB - Technical drawing



Legend:

1. Stand with aggregate(condenser, compressor, evaporator tub with heating element, filter drier, refrigerant collector,...)
2. Insulted tub with outer cover
3. Evaporator block and gas struts
4. Rear insulated panel with cold air exhaust
5. Insulted outer top plate
6. Interior top plate with LED lighting
7. Roller shutter
8. Side plate
9. Glass shelf with price tag holder
10. Front plate with air intake
11. Cover panels
12. Rear spacer plate (pair)

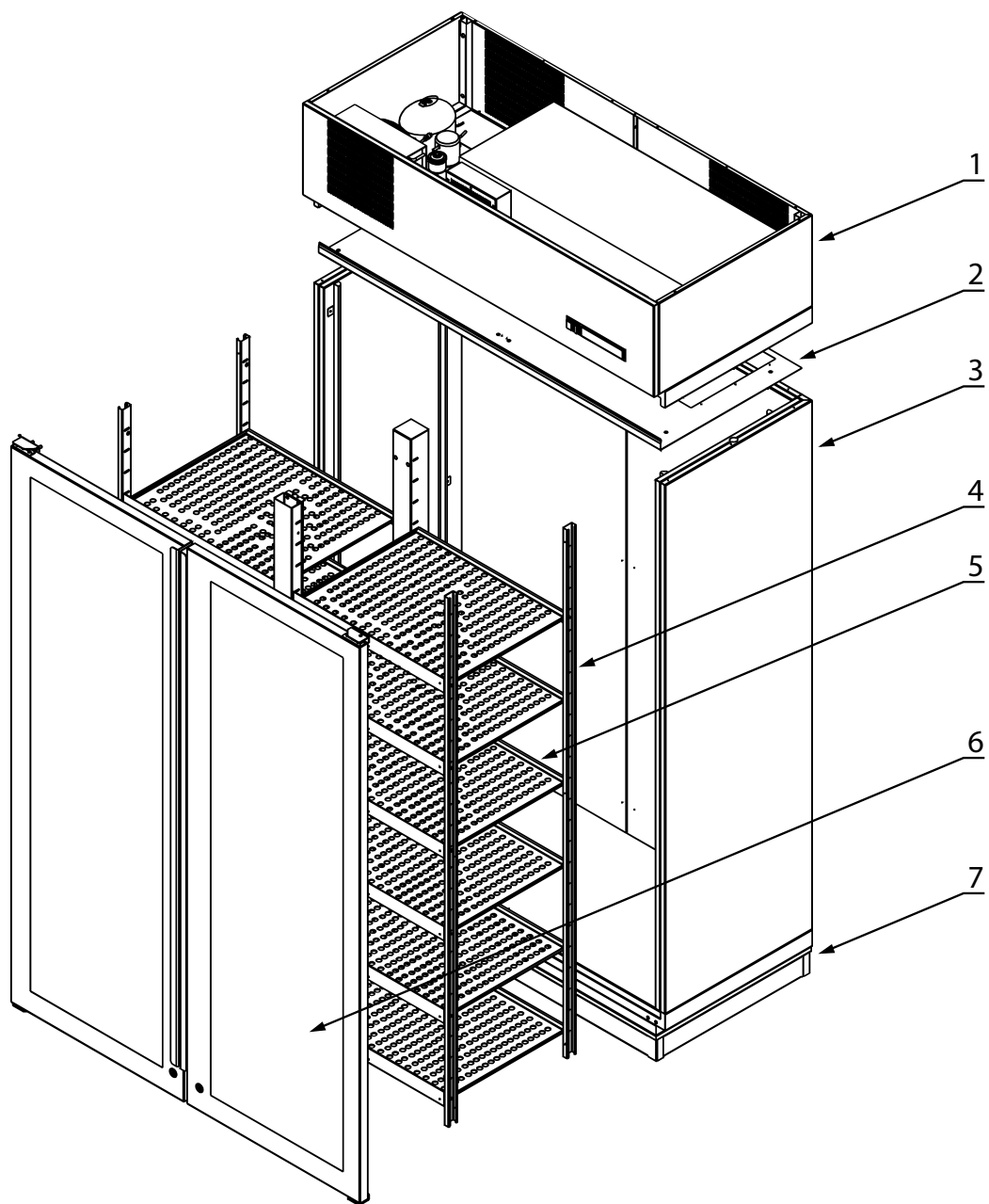
Appendix 6.1

Cooling Wine showcase – Wiring diagram

We are updating the wiring diagram to provide more detailed information. For any questions, please contact us.

Appendix 6.2

Cooling Wine/meat showcase – Technical drawing



Legend:

1. Aggregate assembly (Compressor, Evaporator, DIXELL,...)
2. Upper panel
3. Side S/S panel
4. Inserts
5. Perforated S/S shelves
6. Glass wing doors with standard frame
7. Base of the showcase