

NordCap Backwaren Kühl- und Tiefkühlische

KST TN
KSTP TN

TIPO: 01, 02, 03, 04

Accessori
Casters

Bedienungsanweisung



Dear Customer,

Congratulations on your choice. We would like to take this opportunity to let you know that our whole production undergoes stringent controls and passes a thorough inspection to check its functionality and high quality.

Prior to use, we kindly advise you to read the manual thoroughly. In this way, you will learn many proper, safe, and effective working methods that will allow you to get the most out of your new appliance. Thanks to the directions, tips, and tricks given in this manual, you will be able to start using your appliance quickly and effortlessly. And we are sure that it won't be long before you realize how pleasant it is to operate this product.

The company reserves the right to make any technical changes.

All the main technical specifications are shown on the rating plate fixed to the appliance. Should you need to make a service or technical support request, please mention the serial number. In this way, it will be easier for us to deliver a better technical support to you. In addition, we highly recommend to write your trusted technician's contact information in the lines below.

Phone number:.....

Contact person:.....

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1. General information

This manual contains information on how to minimise environmental impact in compliance with **ECO-LABEL regulations (2000/40/EC)**.

Read the instructions in this manual carefully, as they contain important information on how to install, use and service the appliance safely, properly, and effectively.

Keep this manual in a safe place for future reference by other users.

This appliance should be installed following the instructions provided by the manufacturer and in compliance with all applicable local regulations. This appliance should be connected to the power and water supply only by qualified personnel.

All personnel in charge of using this appliance should be specifically trained in its operation.

In the event of failure or malfunction, switch off the appliance. The periodic functional checks requested in this manual should be carried out according to the instructions. Have the appliance serviced by a technically qualified person duly authorized by the manufacturer that uses genuine spare parts. Never attempt to repair this appliance by yourself. Repairs carried out by unqualified people can cause damage.

Failure to comply with the above may jeopardise the appliance's safety.

1.1 Symbols used in the manual



This symbol informs about a situation where a safety risk could be imminent. The instructions provided must be followed in order to prevent injury.



This symbol informs about the right way to act in order to prevent bad results, damage to the appliance, or hazardous situations.



This symbol informs about tips and tricks that help the user to get the best possible performance out of the appliance.



This symbol informs about a function that needs to be taken into account when doing self-control.

1.2 Symbols used on the appliance



This symbol on a part warns the user that there are electrical terminals behind it. Therefore, the concerned part should only be removed by qualified personnel.

1.3 Checking correspondence between the appliance and the manual

The rating plate of the appliance shows its serial number. If the manuals are missing, you may order new ones from the manufacturer or your local representative. When ordering new manuals it is essential to quote the serial number shown on the rating plate.

Keep this manual as well as the wiring diagram with care, and put them at the operator's disposal for future reference.

2. Safety

2.1 Using the appliance safely



Read the following directions and warnings carefully:



2.2 Recommendations on how to best operate the appliance (2000/40/EC)



Following the suggestions contained in this chapter will result in lower energy consumption.

These appliances are designed for indoor use.

Choosing a convenient installation location for the appliance is extremely important to ensure proper operation and energy savings; in fact, users who have the possibility of installing the appliance in a non-heated or less-heated room can achieve significant energy savings.

The best performance is obtained when room temperature ranges between +18°C (64°F) and +43°C (109°F) (Climate class T); +18°C (64°F) and +38°C (100°F) (Climate class ST); +16°C (61°F) and +32°C (90°F) (Climate class ST); the rating plate found inside the appliance shows the climate class to which it belongs.

If room temperature exceeds the values indicated by the climate class of this product, please follow the directions below: when room temperature falls below the minimum value, a proper storage temperature in the freezer compartment may not be ensured; therefore, we recommend that you use up all food contained in it as soon as possible.

In order to achieve additional energy savings and ensure proper operation, we recommend that you avoid opening the door/lid or holding it open more often or longer than necessary.

It is important to let foods cool down prior to storing them in the appliance, because otherwise they will produce steam which, in turn, favours frost build-up on the evaporator; in addition, it is important that the cool-down period is as short as possible (if possible, use blast chillers) for health and hygiene reasons.

Avoid heavy frost build-up on the evaporator; if necessary, carry out additional manual defrost cycles to melt away any frost build-up.

Replace the door gasket if it is not working properly.

It is useful to keep the condenser found in the appliance's motor compartment and the space under the refrigerator clean by removing any dust and cooking vapours.

2.2.1 Installation tips

Check that the surface on which the appliance will rest is level and suitable to support its weight.

To ensure proper airflow and avoid any damage to the refrigeration circuit, allow a minimum side clearance of 50 mm (2 inches); do not place the appliance close to heat sources (such as ovens, radiators, etc.) or exposed to direct sunlight and provide suitable insulation from walls or floor if they transmit heat.

If the appliance has been moved, wait for a while before switching it on again.

2.3 Disposing of the appliance (environmental protection)

Our appliances contain the refrigerant shown on the corresponding rating plate as per Regulation (EC) No. 2037/2000 of 29 June 2000; in addition, the appliance is composed of reusable or recyclable parts and materials. Therefore, at the end of its lifetime, the appliance should be delivered to a specific disposal centre. The best method to ensure that no one will remain trapped inside is to take off the door completely.



The appliance must not be disposed of together with household waste and metal scrap. Absolutely avoid damaging the refrigeration circuit, particularly near the heat exchanger.



Pic. 2.3

3. Functional description

3.1 Intended use



This appliance should only be used to store food and beverages. The manufacturer shall not be held liable for the consequences resulting from unintended uses of this appliance.

Do not store food in direct contact with the structure.



Both the appliance's construction features and the condensing unit's capacity have been designed to store only pre-cooled products. Never place carbonated beverages into the low-temperature compartment as they may explode. Never place liquids or hot food into the appliance and do not fill lidded containers to the top.



In all appliances there are surfaces subject to frosting. Depending on the model, frost may be melted away either automatically (automatic defrost) or manually. Never attempt to remove frost using a pointed object because in this way you could irreparably damage the appliance.

Do not use any mechanical device or other artificial means to accelerate the defrost process.

The Manufacturer declines all responsibility, and the warranty shall be null and void, if electrical and/or mechanical alterations are made to the product.

The warranty shall also be null and void if the product is tampered with or, in general, in case of alterations not expressly authorised and not made in compliance with the instructions given herein.

4. Operating instructions

4.1 Prior to use

4.1.1 Preliminary checks

General checks



To ensure proper operation:

- Check that the appliance is well levelled. If necessary, adjust the mobile part of the adjustable feet until the appliance is perfectly level.
- Check that all plastic protective film has been removed from outer surfaces.
- Check that the inside has been cleaned with warm water and neutral soap.
- Check that the appliance is positioned as far from heat sources as possible.
- Check for free, unobstructed air circulation inside motor compartment.
- Check that locking keys (if available) are out of children's reach.

Checking the electrical equipment

- Check that the power network voltage and frequency rating matches the values shown on the appliance's rating plate (item 6 in paragraph Rating plate data).
- Check that the screws fixing the wires to the electric components found in the board are properly tightened (as vibration could have worked them loose during handling and transportation).
- Make sure that a 16A-fuse has been fitted upstream of the power socket (outlet).
- Turn OFF the general switch to which the power cord plug will be connected.
- Check that the power socket (outlet) is compatible with the type of plug the appliance has. If necessary, have the plug replaced with a suitable one by a professionally qualified technician, who will be in charge of checking that the gauge of socket (outlet) wires is suitable for the appliance's power input. Check that the plug is correctly plugged in.

4.1.2 Start-up and checks

Once you have carried out all the above steps carefully, you are ready to start up the appliance:

- Turn ON the general switch to which the power supply cord plug is connected.
- Turn ON the appliance's switch.
- To change the SETPOINT, refer to paragraph Thermostat operation ID a pag. 14 in chapter Adjustment instructions a pag. 13.

4.2 Operation



Proper storage of foodstuffs is a relevant factor in the safe and sanitary production of food; in addition, it improves the efficiency of foodservice activities and positively affects energy consumption. Follow the directions below to obtain the highest performance possible out of your appliance.



Products should be placed into the appliance in such a way as to allow unobstructed airflow. Always leave some free space between the products and prevent them from coming in contact with the walls. If needed, adjust the distance between shelves. Products should always be stored on the shelves; do not place any products on the cabinet's bottom.

4.3 After-use care

4.3.1 Cleaning

How often you will need to clean the appliance depends largely on how often you use it. Analyze the use and schedule the required cleaning operations.

To clean the appliance's inside and outside, use a neutral or slightly alkaline detergent. We recommend that you clean the inside with a disinfectant every once in a while. Impurities may be removed using a damp cloth. Removing the shelves makes cleaning the inside easier.



Prevent water from coming in contact with the electrical components. Using a pressurised jet of water to clean the appliance is forbidden. Never use metal objects to clean the appliance, as they could damage it.

4.3.2 Maintenance operations that may be carried out by the user

Under normal conditions of use the appliance only requires a minimum of maintenance. The user can carry out the following operations:

- Cleaning the inside and outside every day or as often as needed.
- Cleaning the condenser at least twice a year or more often if used in a dusty environment. Before cleaning the condenser, turn the appliance off using the main switch and disconnect the power cord from the power socket (outlet). Use a vacuum cleaner or a soft brush. When brushing the condenser, exercise great care so as to avoid damaging the aluminium grid.
- Check that the condensate drain hose is not clogged. If needed, clean it. Possible malfunctions due to a clogged drain may not be attributed to the manufacturer.
- Check that the fan is properly fixed to its frame.
- Check for fan unbalancing, evidenced by abnormal vibration or noise, thoroughly.
- Check the power cord connecting the appliance to the wall socket (outlet) for cuts, cracks, or alterations which might compromise its insulation. If the power cord needs servicing, contact your nearest technical support centre.

4.3.3 Maintenance operations to be performed by authorised technical support personnel

Any maintenance operations not mentioned in the above paragraphs, should be performed by authorised technical support personnel only. The need to perform maintenance operations depends largely on the external conditions and how often the appliance is used.

For further information, contact your local representative. Identifying the appliance correctly is useful when ordering spare parts or requesting maintenance or repair operations. The appliance's model and serial number are shown on the rating plate found inside the appliance.

Operating instructions

4.3.4 Rating plate data

		1			
MATRICOLA - SERIEN NR. SERIAL NO. - NO. OE SERIE		2			
CODICE - CODE CODE - CODI		3			
MODELLO - TYPE - MODÈLE - MODELL		4		5	
CORRENTE COURANT INTENSITY CURRENT CORRENTE		6 A		POTENZA LEISUNG POWER PUISSANCE	
		7 W		POT. ASSORBITA HEINNAUFNABME ABSORPTION ABSORPTION	
		8 W			
DEFROSTING HEATING ELEMENTS		9 W		OTHER HEATING ELEMENTS	
		10 W		LAMP/LIGHTNING LAMP'S BELEUCHTUNG ECLAIRAGE	
		11 W			
PRESSIONE DRUK PRESSION PRESS.		min 12 kPa max 12 kPa			
REFRIGERANTE KÄLTMITTEL REFRIGERANT GAZ REFRIGERANT		min kPa max kPa		CAPACITÀ NETTA - NETTOINH - NET CAPACITY - CAPACITÉ NETTE	
		13 g		14 l	
		15 g			
GAS ESPANDENTE COOLING GAS KÄLTMITTEL FLUIDE-REFRIGERANTE		16 CE			
ANNO - JAHAR YEAR - ANNE'		17 CL.17			

Pic. 4.3.4 - Rating plate

1. Manufacturer
2. Serial number
3. Code
4. Model
5. Voltage
6. Running absorbed current
7. Refrigerant power
8. Max power absorbed
9. Defrost heating element power
10. Other elements nominal power
11. Lamp power
12. Max and min. pressure
13. Refrigerant, type and q.ty
14. Net capacity
15. Insulation expanding gas
16. Manufacture year
17. Climatic class

4.3.5 Idle periods

Follow the precautions below if the appliance will be left idle for some time:

- Unplug the appliance from the wall socket (outlet);
- Remove all foodstuffs from the appliance;
- Defrost it and clean the inside;
- Leave the door partly open to favour air circulation inside the cabinet and prevent unpleasant smells from forming.
- Store the appliance in such a way as to avoid that anyone can remain trapped inside.

5. Installation

5.1 General information

Ensure that installation is performed according to the instructions given under chapter Recommendations on how to best operate the appliance (2000/40/EC) a pag. 3, Installation tips a pag. 4. We remind you that insufficient airflow will certainly result in appliance malfunction or damage.

Once the appliance has been installed, ensure that it is not resting on the power cord.



In the event of damage, the power cord should only be replaced by qualified personnel with a special cable or cable assembly available from the manufacturer.

Ensure compliance with all local safety rules in force at the time of installation.

Prior to plugging in the appliance, ensure that the power distribution network ratings match the values shown on the appliance's rating plate.



It is absolutely necessary that the appliance be connected to an effective earth (ground) connection. To this end, the power cord plug is equipped with a grounding contact. If the power socket (outlet) of the system is not grounded (earthed), connect the appliance to a separate grounding (earthing) system in compliance with applicable regulations in force. Ask for a qualified technician's advice.



The manufacturer declines all responsibility in case of non-compliance with this accident-prevention rule.

You must always be able to disconnect the appliance from power supply; therefore, once the appliance has been installed the power socket (outlet) should be easily accessible.

5.2 Transport and storage

If possible, do not unpack the appliance until it is placed near the final installation site. Do not tip it over.



If the appliance has been tipped over, wait for a while until oil settles down again.

The appliance should always be stored in sheltered areas.



If the appliance was stored in a cold place, thus causing the temperature of the refrigeration unit to fall below 0°C (32°F), prior to start using the appliance keep it at room temperature for at least one hour so that the refrigeration unit will warm up to +16°C (61°F). Turning on the appliance when temperature is excessively low may result in compressor malfunction.

5.3 Unpacking the appliance

Unpack the appliance and check for transport damage. Remove the protective film from the appliance's body.



Packing materials (plastic bags, polystyrene foam, nails, etc.) should be kept out of children's reach as they are potential sources of hazard, and they should be properly recycled in compliance with local regulations in force.

5.4 Installation

Place the appliance in its final installation site.



When lifting the appliance with a suitable mechanical device, ensure that the structure at the base is undamaged.

Level the appliance using its adjustable feet. Use a level, if needed. The maximum permissible deviation from the horizontal plane is +/-0.5 degrees. All four feet should be resting on the floor. This will ensure proper door operation.

5.4.1 Cleaning

Prior to use, clean the inside, the shelves and the outside with a cloth and wipe dry. To clean use a neutral or slightly alkaline detergent.

5.5 Electrical connections

The appliance may be switched on three hours after installation. Plug the appliance into a grounded outlet (earthed socket). To do so, you will need to have a power outlet (socket) with a built-in 16A-fuse fitted upstream of the system. Check that power supply voltage matches the value shown on the appliance's rating plate.



Check that a circuit breaker switch having a contact gap of at least 3 mm is fitted upstream of the power socket (outlet).

5.6 First turn-on



Turn on the appliance using the main switch. After 1 minute, the compressor will start cycling until internal temperature reaches the factory-set value. Do not load the appliance until the set temperature value has been reached. If you need to change any factory-set parameters, please read the instructions given under chapter "Adjustment instructions".

6. Adjustment instructions

6.1 XW thermostat operation

6.1.1 Keyboard



Fig. 6.1.1.1 - Thermostat XW20LS - XW60LS (KST)



Fig. 6.1.1.1 - Thermostat XW20LS - XW60LS (KSTP)

6.1.2 Display

Symbols on the frontal panel

- P1 -> Turns on and off the device;
- P2 -> In order to view or change the set point. In programming it selects a parameter or confirms a value. If pressed for three seconds when viewing MAX or min temperature it deletes it;
- P3 -> In order to see the minimum temperature reached. In programming it scrolls the parameter codes or decreases their value;
- P4 -> In order to see the max temperature reached. In programming it scrolls the parameter codes or increases their value; If pressed for 3 seconds it starts the freezing cycle;
- P5 -> Holding it down for 3 seconds it starts the manual defrosting cycle;
- P6 -> Turns on and off the room lights, if any.

Meaning of leds

- L1 -> On -> quick cooling enabled;
- L2 -> On -> defrosting enabled;
- L2 -> Blinking -> under dripping;
- L3 -> Blinking -> under programming (it blinks along with the led L4);
- L4 -> On -> compressor enabled;
- L4 -> Blinking -> under programming (it blinks along with the led L3); anti-oscillation delay;
- L5 -> On -> Alarm signalling; in programming "Pr2" indicates that the parameter is also in "Pr1";
- L6 -> On -> Light enabled.

The ON/OFF function

Pressing the ON/OFF button, the device displays "OFF". In this configuration all loadings and adjustments are disabled. In order to set the device again to ON, press the button again.

View the minimum temperature

- Press and release the P3 button;
- The "Lo" message followed by the minimum temperature reached will display;
- Press the P3 button or wait for 5 seconds to view the standard temperature.

View the max temperature

- Press and release the P4 button;
- The "Hi" message followed by the max temperature reached will display;
- Holding the P4 button down or waiting 5 seconds, the standard temperature will be displayed again.

Adjustment instructions

Delete the temperatures stored

- In order to delete and view the temperatures stored, view the max or minimum temperature by using the P3 and P4 buttons;
- Press the P2 button until the “rST” message blinks 3 times.

Block the keyboard

- Hold the P3 and P4 buttons down for some seconds until the blinking “POF” sign appears;
- Now the keyboard is locked: only viewing set point, max and minimum temperature is permitted;
- In order to unlock the keyboard: hold the P3 and P4 buttons down for some seconds until the blinking “POn” sign appears.

6.1.3 View and change the set point

- Press and release the P2 button; the set point will be immediately displayed;
- The L4 led blinks;
- In order to change the value use the P3 and P4 buttons;
- In order to store the new set point, press the P2 button or wait for 15 seconds to quit the programming.

6.1.4 Start a manual defrosting cycle

Press the P5 button for more than 2 seconds.

6.1.5 Alarm signalling

Message	Cause	Outlets
P1	Thermostat probe faulty	Outlet in accordance with “Con” and “COF” parameters
HA	Alarm for high temperature	Not changed
LA	Alarm for low temperature	Not changed
EE	Irregularity in the memory	
dA	Alarm for open door	Not changed
EAL	Alarm from digital inlet	Not changed
BAL	Alarm for digital inlet lock	Adjustment outlets disabled
PAL	Alarm for pressure switch from digital inlet	Adjustment outlets disabled

6.1.6 In order to access the parameters in “Pr1”

- Press for some seconds the P2 and P3 buttons (L3 and L4 start to blink);
- The device displays the first parameter in “Pr1”.

7. Troubleshooting

In the event of malfunction, check the list below to see if it is possible to restore the appliance to working condition without needing to call the technical support service. For further information, please contact your nearest technical support centre.

TROUBLE	POSSIBLE CAUSE	REMEDY
SENSOR(S) FAILURE	Sensor disconnected	Connect sensor to the thermostat again
	Sensor damaged	Call an authorised technical support centre to have it replaced
COMPRESSOR WILL NOT RESTART	Electrical equipment of the compressor (relay, motor protection and condenser) is faulty.	Call an authorised technical support centre to have the concerned component replaced
	Compressor has a winding open or shorted, or there is an earth (ground) fault	Call an authorised technical support centre to have the compressor replaced
COMPRESSOR SELDOM STOPS	Room temperature is too high	Ensure proper ventilation to the room
	Refrigerated cabinet condenser is dirty	Check it on a regular basis and clean it thoroughly
	Low refrigerant charge	Call an authorised technical support centre to find and repair any leaks and to recharge the compressor with refrigerant.
	Door gaskets do not ensure proper seal	Call an authorised technical support centre to perform the necessary replacement
	Frost build-up on the evaporator	Do not place hot or high water content foodstuffs into the appliance and, if needed, perform a manual defrost cycle.
FROSTED COMPRESSOR SHELL	Excess refrigerant charge	Call an authorised technical support centre
	Frost build-up on the evaporator	Do not place hot or high water content foodstuffs into the appliance and, if needed, perform a manual defrost cycle.
	Evaporator motor fan(s) damaged	Call an authorised technical support centre to perform the necessary replacement
NOISY APPLIANCE	Loose screws	Check that all screws are tightened and tighten them if needed.
	Vibrating pipes	Check that they are well fixed and, if needed, space adjoining pipes out so that they do not collide.
OVERFLOWING OF SELF-EVAPORATING CONDENSATE TRAY	Hot or high-water content foodstuffs are being introduced into the appliance too often	Do not introduce hot or high water content foodstuffs into the appliance.
	Doors and/or drawers are opened too often	Pay attention to the conditions of use of your appliance.

8. Specifiche tecniche

Motorised refrigeration circuit diagram, KST

Refrigeration circuit diagram of remote-refrigerated appliances, KSTP

Schema elettrico KST TN; 01, 02.....

Schema elettrico KST TN; 03, 04.....

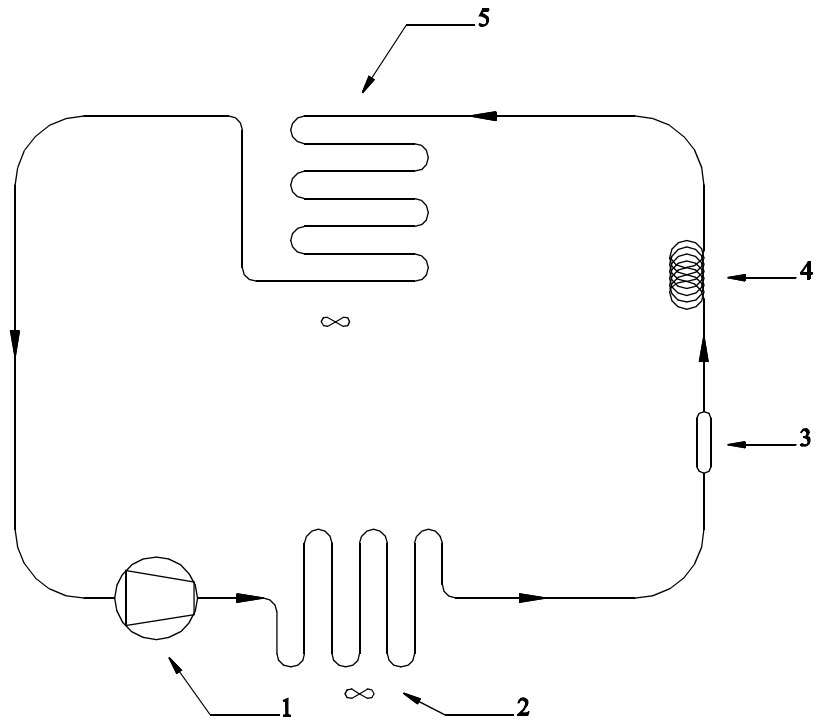
Schema elettrico KSTP TN; 01, 02

Schema elettrico KSTP TN; 03, 04

Installation drawing KST TN.....

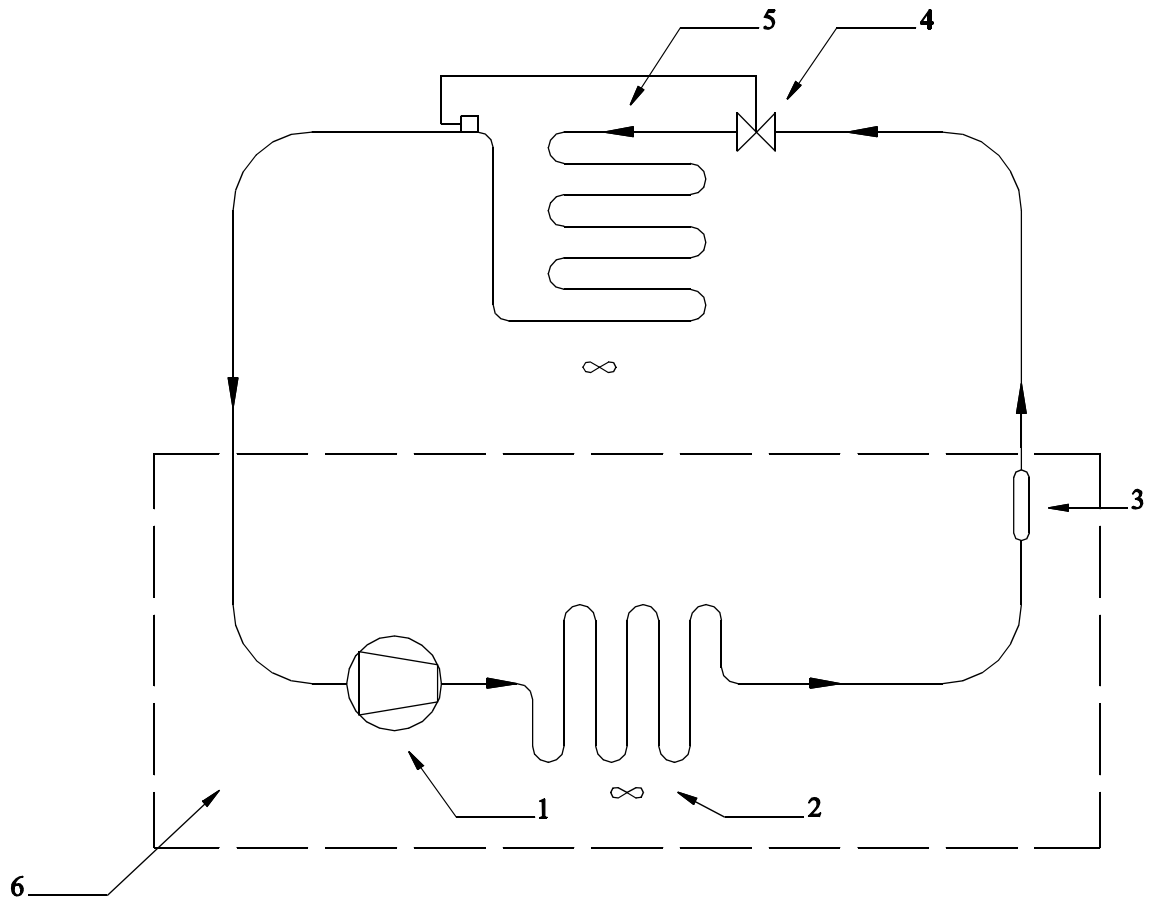
Installation drawing KSTP TN

Motorised refrigeration circuit diagram, KST

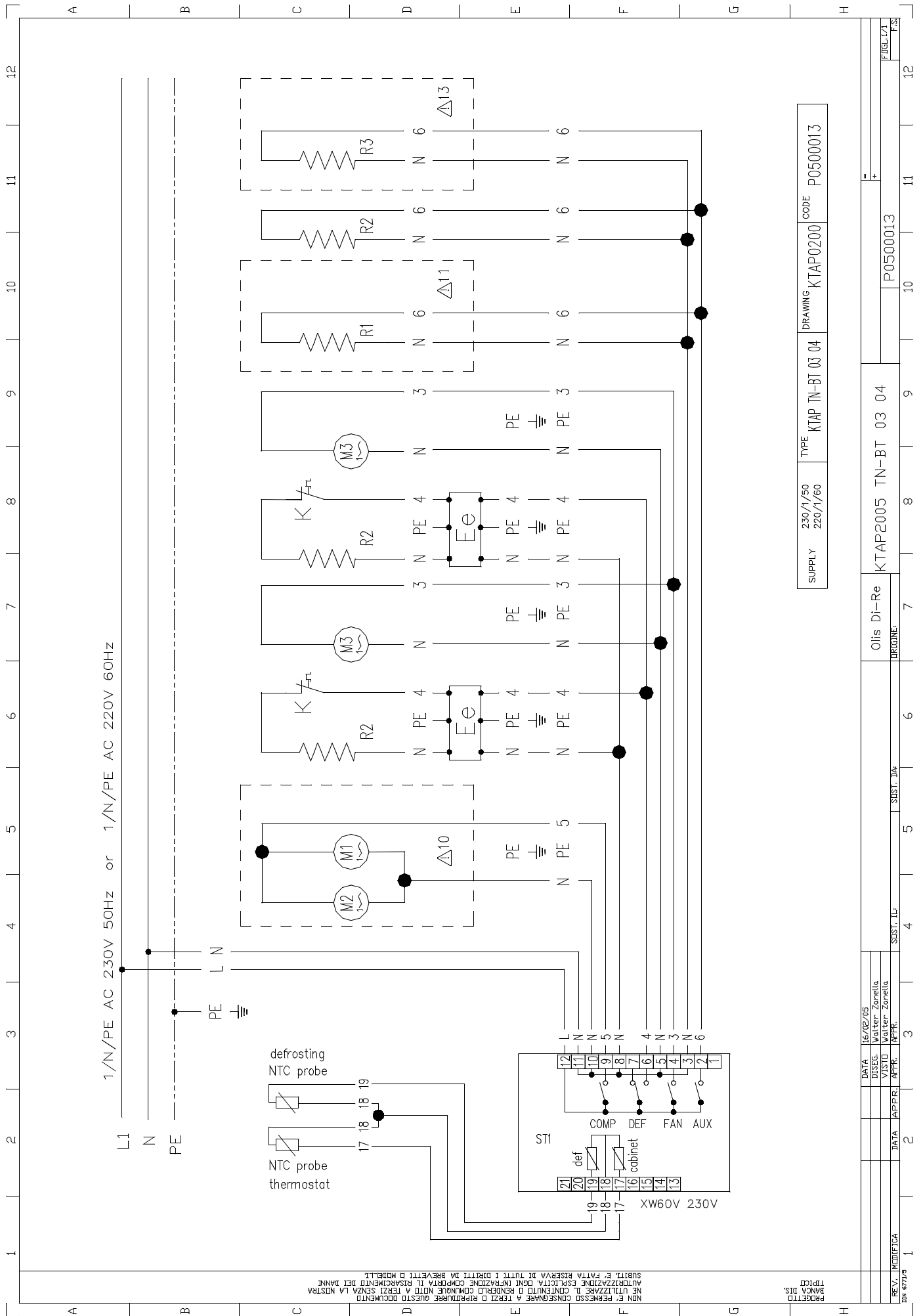


	Description
1	Compressor
2	Condenser
3	Filter drier dirty
4	Capillary tube
5	Evaporator

Refrigeration circuit diagram of remote-refrigerated appliances, KSTP






	Description
1	Compressor
2	Condenser
3	Filter drier dirty
4	Valve
5	Evaporator



SUPPLY	230/1/50 220/1/60	TYPE	KTAP TN-BT 03 04	DRAWING	KTAP0200	CODE	P0500013
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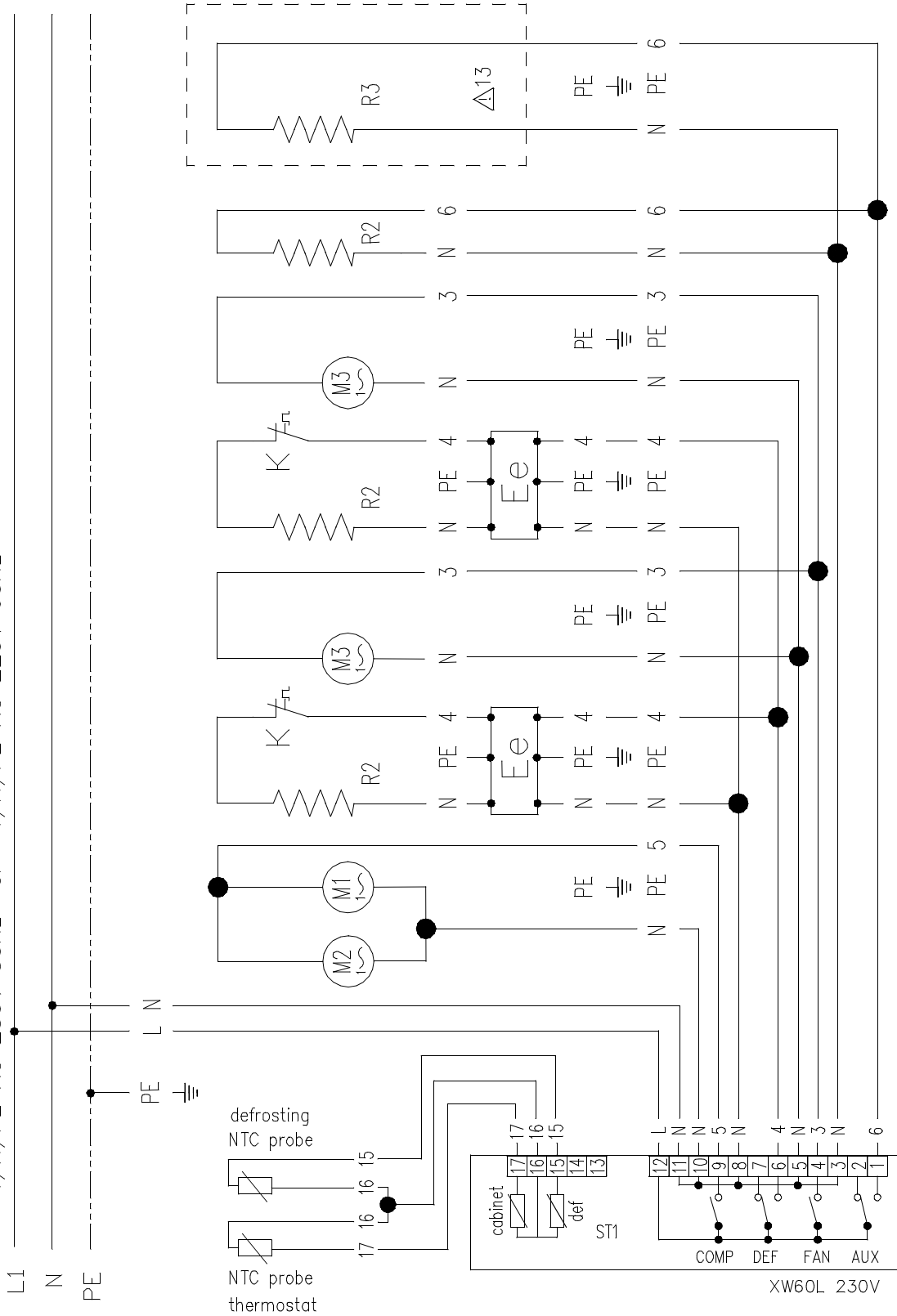
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Olis Di-Re				KTAP2005 TN-BT 03 04				P0500013	
ORIGINE				ORIGINE				ORIGINE	

Schema elettrico KST TN; 01, 02

	Description
M1	MOTOR COMPRESSOR
M2	CONDENSER MOTOR FAN
M3	CABINET MOTOR FAN
R1	CONDENSATE TRAY HEATER
R2	DOOR FRAME HEATER
R3	DRAIN HEATER
ST1	ELECTRONIC CABINET THERMOSTAT
 10	TO BE CONNECTED BY THE INSTALLER
 11	ONLY ON REQUEST
 13	FOR BT MODELS ONLY

1 2 3 4 5 6 7 8 9 10 11 12

1/N/PE AC 230V 50Hz or 1/N/PE AC 220V 60Hz




PROGETTO
BANCA DIS.
TIPICO




NON E' PERMESSO CONSEGNARE A TERZI O RIPRODURRE QUESTO DOCUMENTO
NE UTILIZZARE IL CONTENUTO O RENDERSI RESPONSABILI A TERZI SENZA LA NOSTRA
AUTORIZZAZIONE ESPlicita. OGNI INFRAZIONE COMPORTE IL RISARCIMENTO DEI DANNI
SUBITI. E' FATTA RISERVA DI TUTTI I DIRITTI DA BREVETTI O MODELLI.

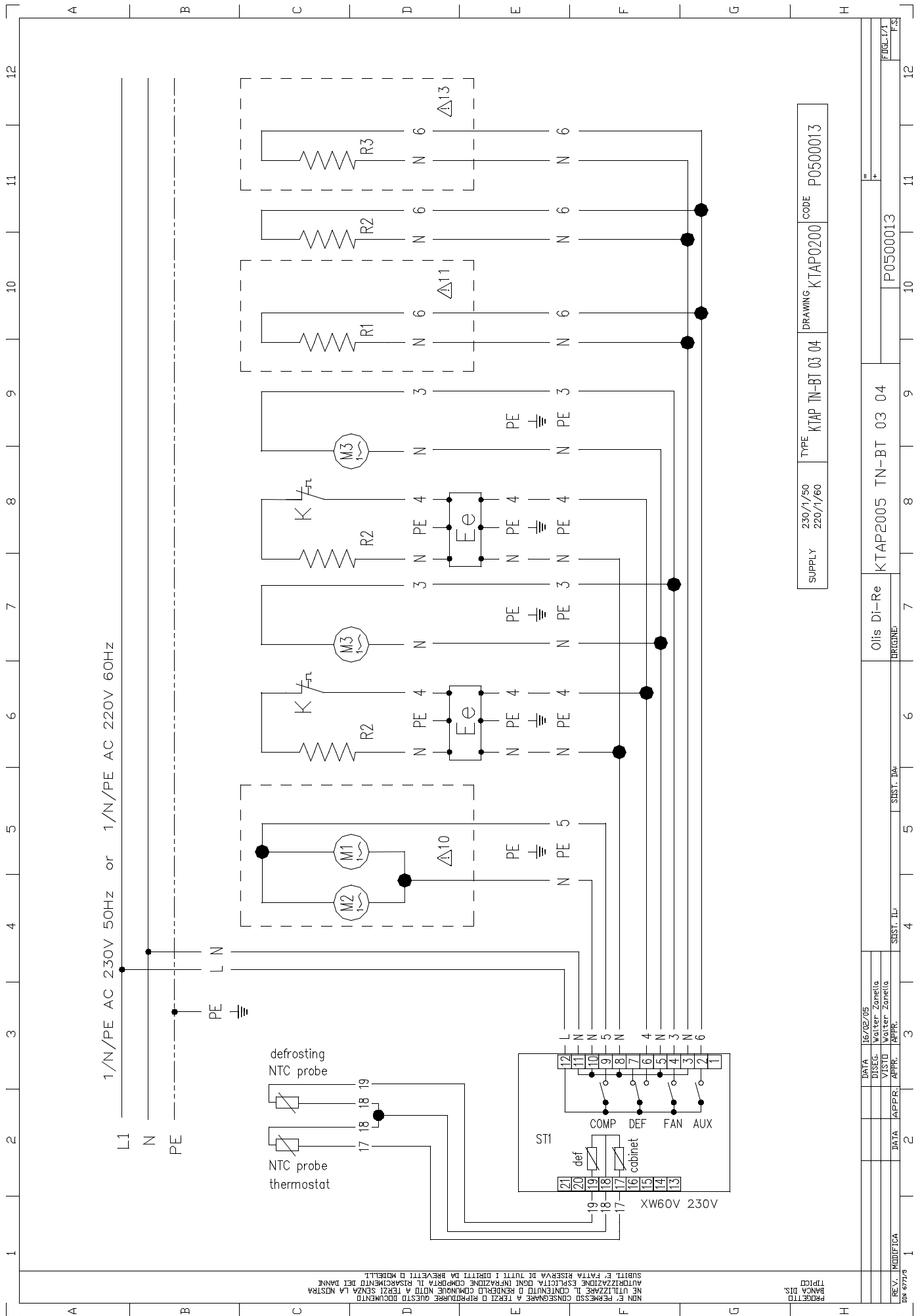
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Schema elettrico KST TN; 03, 04

	Description
M1	MOTOR COMPRESSOR
M2	CONDENSER MOTOR FAN
M3	CABINET MOTOR FAN
R2	DOOR FRAME HEATER
R3	DRAIN HEATER
ST1	ELECTRONIC CABINET THERMOSTAT
 13	FOR BT MODELS ONLY

	Description
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




SUPPLY	230/1/50 220/1/60	TYPE	KTAP TN-BT 03 04	DRAWING	KTAP0200	CODE	P0500013
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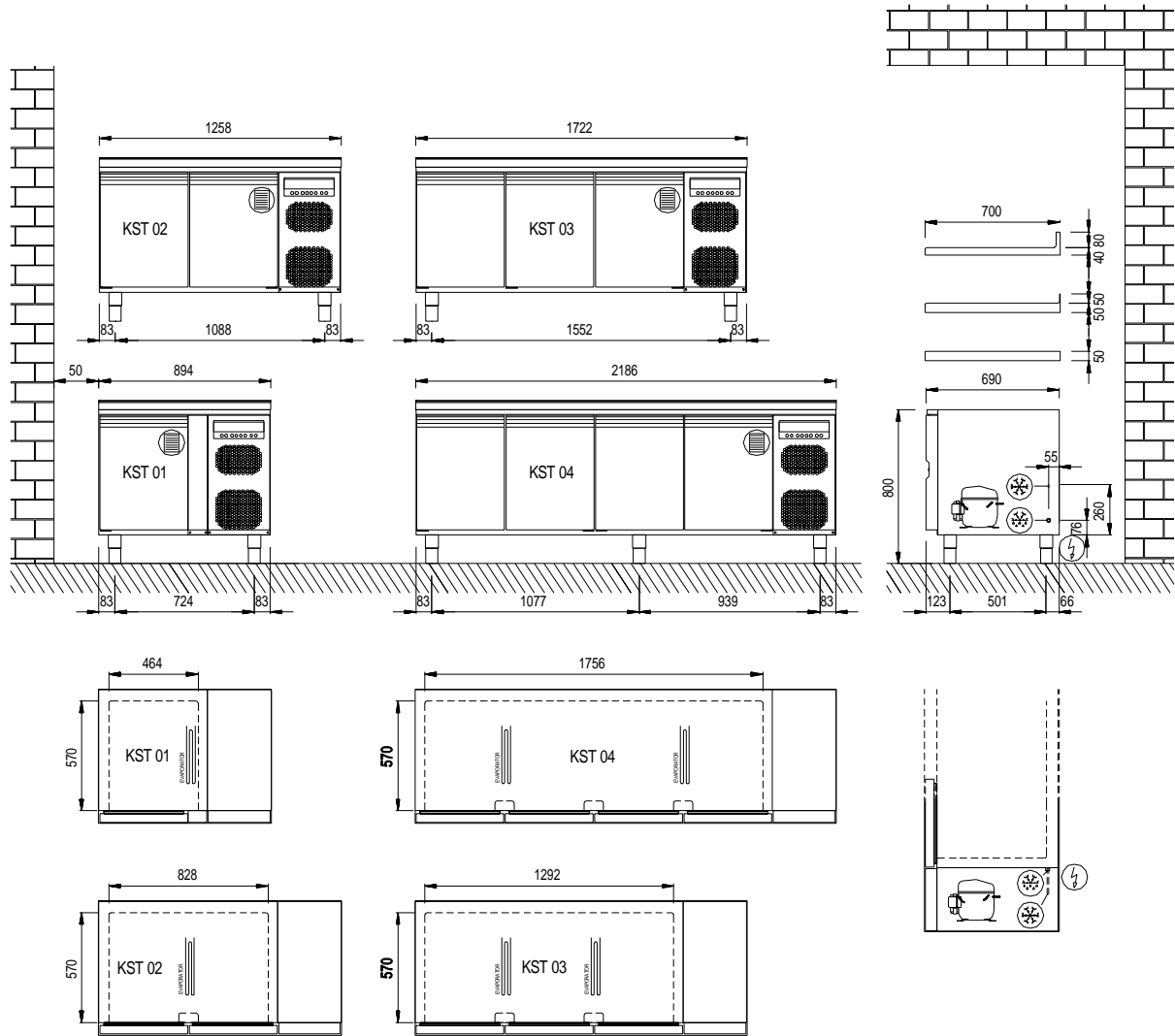
PROGETTO	BRANCA DIS.	DATA	16/02/06	DATA	16/02/06	DATA	16/02/06
REV.	MODIFICA	DATA	APPRE.	DATA	APPRE.	DATA	APPRE.
SUBST. IL				SUBST. DA			
Olis Di-Re				KTAP2005 TN-BT 03 04			
ORIGINE				P0500013			
FUELVA				P.S.			

Schema elettrico KSTP TN; 03, 04

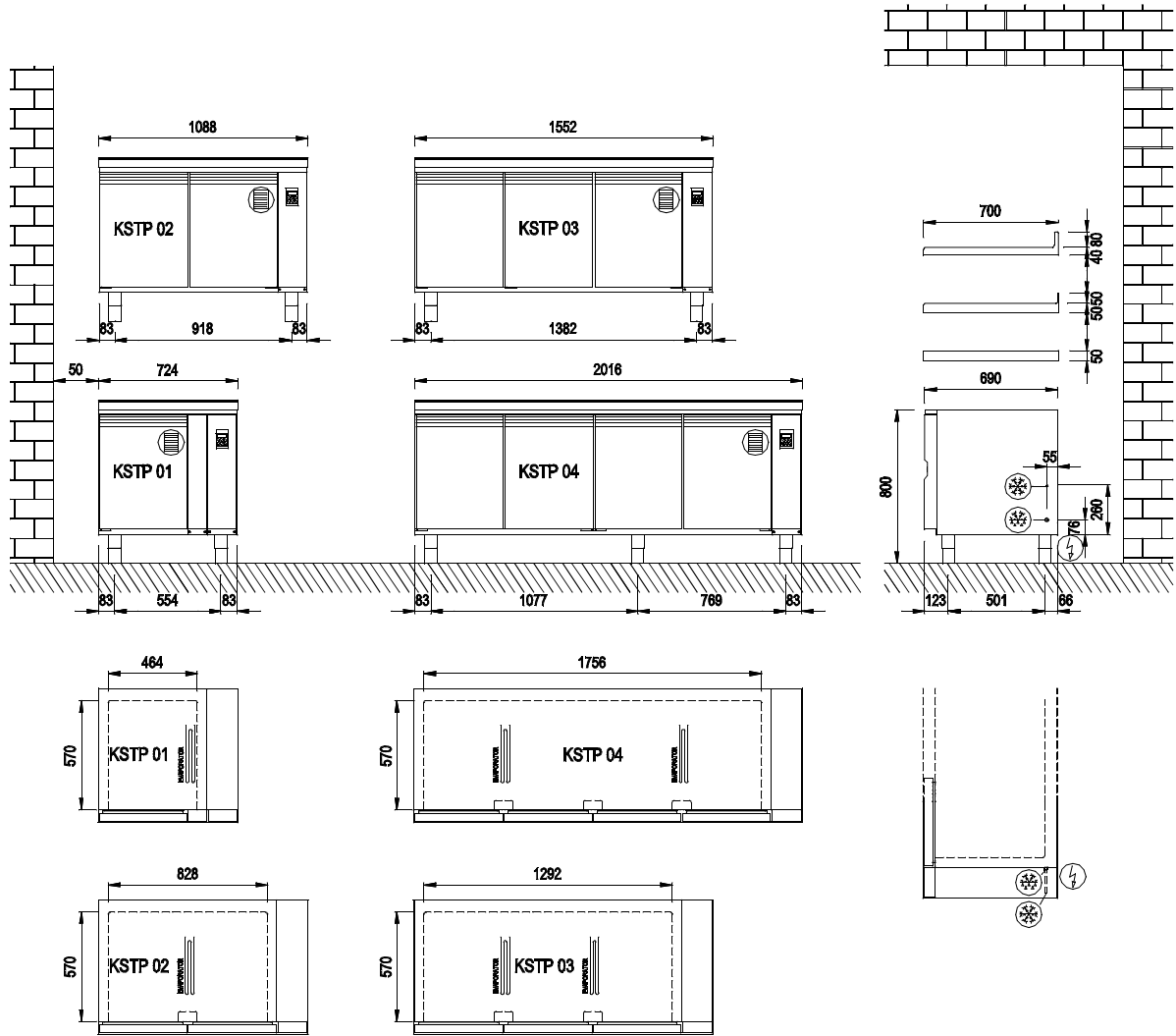
NON E' PERMESSO CONSEGNARE A TERZI O RIPRODURRE QUESTO DOCUMENTO
 NE UTILIZZARE IL CONTENUTO O RENDERE COMPRESO IL RISPACAMENTO DEL BRAND
 AUTORIZZAZIONE ESPLICITA' DALLA DISTRIBUZIONE COMPRESA IL RISPACAMENTO DEL BRAND
 SOTTO E' FATTA RISERVA DI TUTTI I DIRITTI IN BREVETTI O MODELLI

	Description
M1	MOTOR COMPRESSOR
M2	CONDENSER MOTOR FAN
M3	CABINET MOTOR FAN
R1	CONDENSATE TRAY HEATER
R2	DOOR FRAME HEATER
R3	DRAIN HEATER
ST1	ELECTRONIC CABINET THERMOSTAT
 10	TO BE CONNECTED BY THE INSTALLER
 11	ONLY ON REQUEST
 13	FOR BT MODELS ONLY

Installation drawing KST TN



Installation drawing KSTP TN



Specifiche tecniche

Item	Model	Type	Specification
Nominal gross volume		01	145 l
Nominal gross volume		02	261 l
Nominal gross volume		03	406 l
Nominal gross volume		04	551 l
Total weight	KSTTN	01	110 Kg
Total weight	KSTTN	02	155 Kg
Total weight	KSTTN	03	200 Kg
Total weight	KSTTN	04	260 Kg
Total weight	KSTPTN	01	80 Kg
Total weight	KSTPTN	02	125 Kg
Total weight	KSTPTN	03	170 Kg
Total weight	KSTPTN	04	230 Kg
Package dimensions WxDxH	KSTTN	01	1000x800x1000 mm
Package dimensions WxDxH	KSTTN	02	1360x800x1000 mm
Package dimensions WxDxH	KSTTN	03	1830x800x1000 mm
Package dimensions WxDxH	KSTTN	04	2290x800x1000 mm
Package dimensions WxDxH	KSTPTN	01	830x800x1000 mm
Package dimensions WxDxH	KSTPTN	02	1190x800x1000 mm
Package dimensions WxDxH	KSTPTN	03	1660x800x1000 mm
Package dimensions WxDxH	KSTPTN	04	2120x800x1000 mm
Volume with package	KSTTN	01	0,8 m3
Volume with package	KSTTN	02	1,1 m3
Volume with package	KSTTN	03	1,5 m3
Volume with package	KSTTN	04	1,9 m3
Volume with package	KSTPTN	01	0,7 m3
Volume with package	KSTPTN	02	1,0 m3
Volume with package	KSTPTN	03	1,4 m3
Volume with package	KSTPTN	04	1,7 m3
Voltage			1/N/PE AC 230 V 50 Hz
Power of compressor	KSTTN	01	226 W (CECOMAF -10+55)
Power of compressor	KSTTN	02	254 W (CECOMAF -10+55)
Power of compressor	KSTTN	03	324 W (CECOMAF -10+55)
Power of compressor	KSTTN	04	484 W (CECOMAF -10+55)
Power of compressor	KSTPTN	01	272 W (CECOMAF -10+55)
Power of compressor	KSTPTN	02	305 W (CECOMAF -10+55)
Power of compressor	KSTPTN	03	389 W (CECOMAF -10+55)
Power of compressor	KSTPTN	04	581 W (CECOMAF -10+55)
Working temperature	KSTTN		-2 / +8 °C
Working temperature	KSTPTN		-2 / +8 °C
Refrigerant feed	KSTTN		Capillary
Refrigerant feed	KSTPTN		With valve
Refrigerant system			Ventilated
Type of defrost			Electrical
Defrosts per day / Defrost duration time (min)			4 / 30
Current absorbed during operation	KSTTN	01	1,6 A

Specifiche tecniche

Item	Model	Type	Specification
Current absorbed during operation	KSTTN	02	1,7 A
Current absorbed during operation	KSTTN	03	2,7 A
Current absorbed during operation	KSTTN	04	3,1 A
Current absorbed during operation	KSTPTN	01	-
Current absorbed during operation	KSTPTN	02	-
Current absorbed during operation	KSTPTN	03	-
Current absorbed during operation	KSTPTN	04	-
Current	KSTTN	01	1,6 A
Current	KSTTN	02	1,7 A
Current	KSTTN	03	2,7 A
Current	KSTTN	04	3,1 A
Current	KSTPTN	01	-
Current	KSTPTN	02	-
Current	KSTPTN	03	-
Current	KSTPTN	04	-
Power absorbed during operation	KSTTN	01	300 W
Power absorbed during operation	KSTTN	02	310 W
Power absorbed during operation	KSTTN	03	410 W
Power absorbed during operation	KSTTN	04	530 W
Power absorbed during operation	KSTPTN	01	-
Power absorbed during operation	KSTPTN	02	-
Power absorbed during operation	KSTPTN	03	-
Power absorbed during operation	KSTPTN	04	-
Power absorbed max	KSTTN	01	300 W
Power absorbed max	KSTTN	02	310 W
Power absorbed max	KSTTN	03	410 W
Power absorbed max	KSTTN	04	530 W
Power absorbed max	KSTPTN	01	-
Power absorbed max	KSTPTN	02	-
Power absorbed max	KSTPTN	03	-
Power absorbed max	KSTPTN	04	-
Fuse			16 A
Refrigerant type	KSTTN		R134a
Refrigerant type	KSTPTN		R134a
Quantity of refrigerant	KSTTN	01	200 gr
Quantity of refrigerant	KSTTN	02	200 gr
Quantity of refrigerant	KSTTN	03	260 gr
Quantity of refrigerant	KSTTN	04	270 gr
Quantity of refrigerant	KSTPTN	01	-
Quantity of refrigerant	KSTPTN	02	-
Quantity of refrigerant	KSTPTN	03	-
Quantity of refrigerant	KSTPTN	04	-
Heat emitted	KSTTN	01	300 W
Heat emitted	KSTTN	02	360 W
Heat emitted	KSTTN	03	460 W
Heat emitted	KSTTN	04	570 W

Specifiche tecniche

Item	Model	Type	Specification
Heat emitted	KSTPTN	01	-
Heat emitted	KSTPTN	02	-
Heat emitted	KSTPTN	03	-
Heat emitted	KSTPTN	04	-
Air capacity	KSTTN	01	220 m3/h
Air capacity	KSTTN	02	245 m3/h
Air capacity	KSTTN	03	245 m3/h
Air capacity	KSTTN	04	245 m3/h
Air capacity	KSTPTN	01	-
Air capacity	KSTPTN	02	-
Air capacity	KSTPTN	03	-
Air capacity	KSTPTN	04	-

KSTTN=KST TN, KSTPTN=KSTP TN

01=01, 02=02, 03=03, 04=04

W=Casters

P=1/N/PE~220-240V 50Hz

