

Warming Drawer

User & installation manual

NL20J7100W *, NL20T8100W *, NL20T9100W *, NL20B5100W *



SAMSUNG

Contents

Safety Information	2
Appliance Description	5
Main Components	5
How the warming drawer works.....	5
Use	6
Before using for the first time.....	6
Control Panel.....	6
Using the warming drawer	6
Selecting temperature	6
Cleaning and Maintenance.....	8
Appliance front and control panel	8
Interior of the warming drawer	8
Mat with non-slip surface	8
What should I do if the warming drawer doesn't work?	9
Technical Characteristics	10
Environmental protection	10
Installation instructions	11
Before installation	11
Installation	11
Electrical Connection	11
Installation.....	45
Combination possibilities	45

We ask you to read the instructions in this booklet very carefully as this will allow you to get the best results from using your warming drawer.

KEEP THE DOCUMENTATION OF THIS PRODUCT FOR FUTURE REFERENCE.

Safety Information



Carefully read the instructions before installing and using the equipment. The manufacturer is not liable for improper installation and use of the equipment that may cause injuries and damage. Always keep the instructions at hand, so they can be easily referred to during use.

This appliance complies with current safety standards. Improper use of the appliance may put the user at risk.

Children and Vulnerable People Safety

Warning! Risk of suffocation, injury or permanent disability.

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised by an adult or a person who is responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Keep all packaging away from children.
- **WARNING:** The appliance and its accessible parts become hot during use. Care should be taken to avoid touching heating elements. Children less than 8 years of age shall be kept away unless continuously supervised.
- Cleaning and user maintenance shall not be made by children without supervision.

General Safety

- This appliance is intended to be used in household applications and not in hotels, shops, offices and other similar environments.
- Internally the appliance becomes hot when in operation. Do not touch the heating elements that are in the appliance.
- Always use oven gloves to remove or put in accessories or ovenware.
- Do not sit or hang on the drawer. The telescopic runners will be damaged. The maximum load capacity of the drawer is 25 kg.

Safety Information

- Do not store synthetic containers or easily inflammable objects inside the crockery warmer. When you switch on the appliance such containers and objects may melt or catch fire. **Fire danger!**
- Do not use the appliance to heat up the air temperature in the kitchen. The high temperatures reached may cause easily inflammable objects close to the appliance to catch fire.

Installation

- The electric system must be equipped with a means for disconnection, with a contact separation in all poles that provides full disconnection under overvoltage category III.
- If a plug is used for the electric connection, then it must be accessible after installation.
- The installation must comply with current regulations.
- Protection against electric shock must be provided by the electrical installation.
- **WARNING!** The appliance must be earthed.
- **WARNING!** The appliance is intended to be built in. Please refer to the last pages of this user manual for detailed information on the installation dimensions.

Cleaning and Maintenance

- **WARNING!** Cut the power supply before cleaning and maintenance.
- Failure to maintain the appliance in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.
- Do not use harsh abrasive cleaners or sharp metal scrapers to clean the glass door since they can scratch the surface, which may result in shattering of the glass.
- Do not use a steam cleaner to clean the appliance.
- Please follow the instructions regarding cleaning in the section "Cleaning and Maintenance".

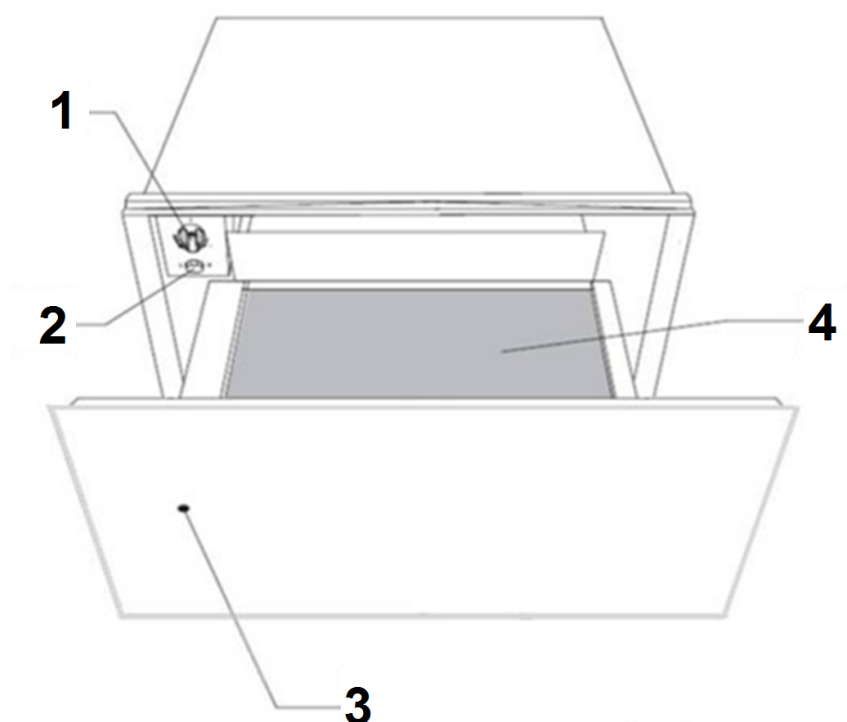
Safety Information

Service and Repair

- **WARNING!** Cut the power supply before repair.
- If the power cable is damaged it should be substituted by the manufacturer, authorized agents or technicians qualified for this task in order to avoid dangerous situations.
- Repair and maintenance work, especially of current carrying parts, can only be carried out by technicians authorized by the manufacturer.

Appliance Description

Main Components



1. Temperature selector (thermostat)

2. On/Off switch (lights up)

3. Operating light

4. Anti-slip mat

How the warming drawer works

This appliance is equipped with a warm air circulation system. A fan distributes the heat generated by an electrical heating element throughout the interior of the appliance.

The thermostat allows the user to define and control the temperature wanted for the crockery.

The circulating hot air that is generated heats up the crockery quickly and evenly.

A metal grille protects both the heating element and the fan.

The base of the drawer is fitted with a non-slip mat to prevent plates and dishes sliding around when the drawer is opened and closed.

Use

Before using for the first time

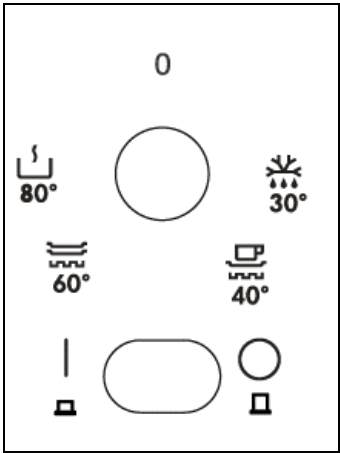
Before using the appliance for the first time you should clean the interior and the exterior, following the cleaning instructions given in the section “Cleaning and Maintenance”.

Then heat the warming drawer for at least 2 hours. For this, turn the temperature control to the maximum position (see section ‘Selecting temperature’).

Make sure the kitchen is well-ventilated when you are doing this.

The appliance’s parts are protected by a special product. For this reason, during the first heating an odour will be released. Both the odour and any smoke that may form will disappear after a short time and neither signifies that there is anything wrong with the connection or the appliance.

Control Panel



The control panel has a temperature selector and the on/off switch. The control panel is only visible when the drawer is open.

When the drawer is closed you can check whether the warming drawer is switched on by looking through the viewing port on the front of the appliance.

Using the warming drawer

To use the warming drawer, proceed as follows:

- Push the center of the front face to open the warming drawer.
- Put the crockery in the drawer.
- Select the temperature you want by turning the thermostat control to the desired position.

- Switch on the appliance by pressing the switch, which will light up.
- Close the drawer.

Be careful not to use too much force when closing the drawer since it may open up again.

Before taking out the warm crockery you must switch off the warming drawer by pressing the switch again.

Selecting temperature

By turning the thermostat control you can select temperatures between 30 and 80 °C.

Do not force the thermostat control to the left of the “0” position or to the right of the maximum position since this may damage the appliance.

As soon as the temperature selected is reached, the heating is turned off. When the temperature drops to a value below that selected, the heating is turned back on.

The temperature scale is not marked with absolute temperatures in °C but instead has symbols which correspond to the optimum temperatures for groups of crockery:

Symbol	°C	Function
	30°C	Defrosting
	40°C-50°C	Proving dough Cups / glasses warming
	60°C-70°C	Crockery warming Keep food warm
	80°C	Low temperature cooking Food Warming

Use

Heating times

Various factors affect heating times:

- Material and thickness of the crockery
- Load quantity
- How the crockery is arranged
- Temperature setting

It is therefore not possible to give any precise heating times.

However, as a guide, the following times are given for the thermostat setting  and for uniform heating of the crockery:

Load	Time (min)
Crockery for 6 people	30 – 35

As you use the warming drawer more and more you will learn the best settings for your crockery.

Load capacity

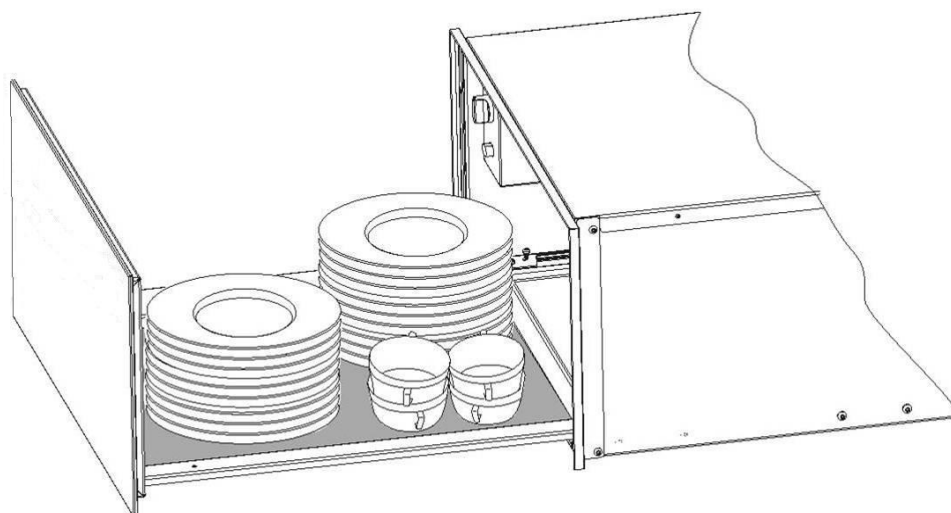
Load capacity depends on the size of the items of crockery. The warming drawer can be loaded with a maximum of 25 kg.

Below we give you some crockery arrangements as examples:

- Crockery for 6 people:
 - 6 dinner plates Ø 28 cm
 - 6 soup bowls Ø 10cm
 - 1 dish Ø 22 cm
 - 1 dish Ø 19 cm
 - 1 dish Ø 17 cm
 - 2 large plates Ø 36 cm

or one of the following

- 20 dinner plates Ø 28 cm
- 36 soup bowls Ø 22 cm
- 30 soup bowls Ø 10cm
- 10 dinner plates Ø 28cm
- 10 soup bowls Ø 22 cm
- 10 pizza plates Ø 36 cm
- 80 espresso cups
- 40 cappuccino cups
- 30 glasses
- 18 soup bowls Ø 22 cm;
2 soup tureens 21 cm x 18 cm
- etc.



Cleaning and Maintenance

Cleaning is the only maintenance action that is required normally.

Warning! Cleaning must be done with the warming drawer disconnected from the electrical power supply. Remove the plug from the power socket or disconnect the warming drawer power supply circuit.

Do not use aggressive or abrasive cleaning products, abrasive sponges or pointed objects since stains or abrasion marks may appear.

Do not use high pressure or steam jet cleaning appliances.

Appliance front and control panel

The warming drawer can be cleaned using just a damp cloth. If it is very dirty, add a few drops of washing-up liquid to the washing water.

Wipe the surfaces dry using a dry cloth.

For stainless steel fronted warming drawer, special products for treatment of stainless steel surfaces can be used. These products prevent the surfaces becoming dirty again for some time. Apply a thin layer of such a product on the surface using a soft cloth.

On aluminium fronted warming drawer use a gentle glass cleaning product and a soft cloth that does not release fluff. Wipe horizontally without pressing on the surface since aluminium is sensitive to scratches and cuts.

For glass fronted warming drawer If there are fingerprints, grease, or stains on the exterior (such as the front panel surface) clean with a soft cloth with a glass cleaner or neutral detergent, and then wipe dry with soft, clean, dry cloth.

Interior of the warming drawer

Clean the inside of the warming drawer regularly using a damp cloth. If it is very dirty add a few drops of washing-up liquid to the washing water.

Wipe the surfaces dry using a dry cloth.

Avoid water entering through the air circulation opening.

Only use the warming drawer again when it is completely dry.

Mat with non-slip surface

The non-slip surface mat can be removed to facilitate cleaning of the drawer.

The mat can be cleaned by hand using hot water with a few drops of washing-up liquid.

Dry thoroughly.

The non-slip mat should only be replaced when it is completely dry.

What should I do if the warming drawer doesn't work?

WARNING! Any type of repair must only be done by a specialised technician. Any repair done by a person not authorised by the manufacturer is dangerous.

Before contacting Technical Assistance, check on the following:

- **The crockery doesn't heat up enough. Check whether:**

- The appliance has been switched on.
- The appropriate temperature has been selected.
- The air circulation orifices are covered by the crockery.
- The crockery was left to heat up for sufficient time.

Heating time depends on several factors, such as, for example:

- Crockery material type and thickness.
- Quantity of crockery.
- How the crockery is arranged.

- **The crockery doesn't heat up at all. Check whether:**

- You can hear the noise of a fan.

If the fan is operating then the heating element is broken; if the fan is not operating then the fan is broken.

- The switchboard fuses / circuit breakers have fused / tripped out.

- **The crockery is heating up too much.**

- The temperature selector is broken.

- **The on/off switch does not light up.**

- The switch's pilot light has blown.

- **There is some noise when the drawer is opened and closed:**

- This is normal and comes from the latching mechanism.

After checking the points and if non of them matches your problem, please contact our Technical Assistance.

Technical Characteristics

Technical Data

SAMSUNG strives to improve its products at all times. Both the design specifications and these user instructions are thus subject to change without notice.

Model	NL20J7100WM/UR NL20T8100WK/UR NL20T9100WD/UR NL20B5100WA/UR NL20B5100WA/EU NL20B5100WE/UR NL20B5100WN/UR NL20B5100WN/EU
Power source	220-240 V / 50-60 Hz
Power consumption Maximum Power	420W
Dimensions (WxDxH) Outside Drawer Cavity	595x522x140 485x490x110
Volume	25 ltr
Weight Net	14,2 kg

Environmental protection

Disposal of the packaging

The packaging bears the Green Point mark.

Dispose of all the packaging materials such as cardboard, expanded polystyrene and plastic wrapping in the appropriate bins. In this way you can be sure that the packaging materials will be re-used.

Please keep all packaging materials away from small children as there is a choking / suffocation risk.

Disposal of equipment no longer used

According to European Directive 2012/19/EU on the management of waste electrical and electronic equipment (WEEE), home electrical appliances should not be put into the normal systems for disposal of solid urban waste.

Outdated appliances should be collected separately to optimise component material recovery and re-cycling rates and to prevent potential harm to human health and the environment. The symbol of a rubbish container superimposed by a diagonal cross should be put on all such products to remind people of their obligation to have such items collected separately.

Consumers should contact their local authorities or point of sale and request information on the appropriate places to leave their old home electrical appliances.

Before disposing of your appliance, render it non-usable by pulling out the power cable, cutting this and disposing of it.

For information on Samsung's environmental commitments and product specific regulatory obligations e.g. **REACH** visit:

samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data_corner.html

Installation instructions

Before installation

Check that the input voltage indicated on the characteristics plate is the same as the voltage of the power outlet you are going to use.

Open the drawer and **take out all the accessories** and remove the packing material.

Attention! The front surface of the crockery heater may be wrapped in a **protective film**. Before using the warming drawer for the first time, remove this film carefully.

Make sure that the warming drawer is not damaged in any way. Check that the drawer opens and closes correctly. If you find any damage, contact the Technical Assistance Service.

Attention: the power socket should be easily accessible after the warming drawer has been installed.

The warming drawer should only be built-in in combination with those appliances indicated by the manufacturer. **If it is fitted in combination with other appliances, the guarantee is no longer valid since it is impossible to guarantee that the warming drawer will work correctly.**

Installation

To build-in the warming drawer in combination with another appliance there must be a fixed, interim shelf in the housing unit to support the weight of both appliances.

The appliance to be combined with the warming drawer will be placed directly on the latter without any need to have a separating shelf.

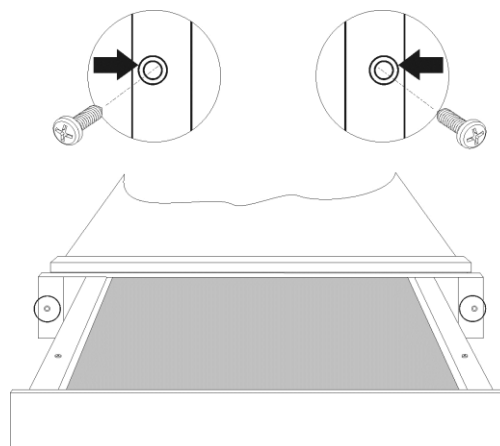
To build-in the appliance which is combined with the warming drawer, follow the instructions set out in the respective instructions and fitting booklet.

The relevant installation dimensions are indicated in mm **in the diagrams shown at the end of this booklet.** Proceed as follows:

1. Place the warming drawer on the shelf and slide it towards the interior of the niche in

such a way that it is centred and completely lined up with the front of the unit.

2. Check that the warming drawer frame is properly levelled and is sitting evenly on the shelf.
3. Open the drawer and fix the warming drawer to the sides of the unit using the two screws provided.



Electrical Connection

The warming drawer is equipped with a power cable and plug for single phase current. We advise that the **plug is connected to a socket that is easily accessible after installation.**

If the warming drawer is to be installed on a permanent basis it should be installed by a qualified technician. In such a case, the appliance should be connected to a circuit with an all-pole circuit breaker with a minimum separation of 3 mm between contacts.

The data necessary for the electrical connection are **described on the warming drawer characteristics plate** and these must be compatible with those of the power outlet you are going to use.

WARNING: THE WARMING DRAWER MUST BE CONNECTED TO EARTH.

The manufacturer and retailers do not accept responsibility for any damage that may be caused to people, animals or property if these installation instructions are not observed.