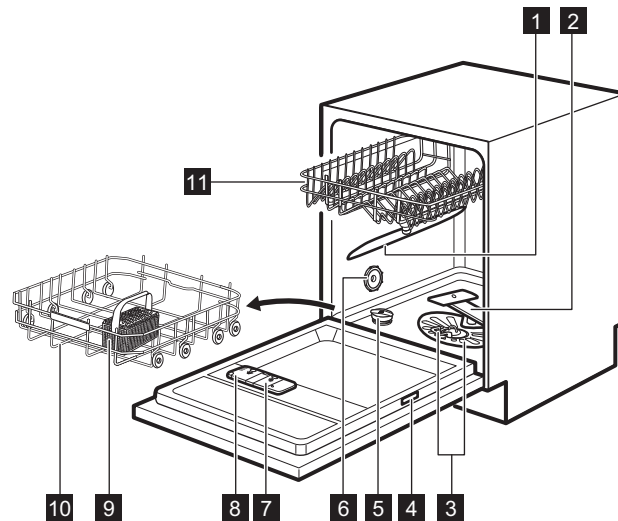


# Dishwasher

## Instruction Manual



## 4. PRODUCT DESCRIPTION



- 1 Upper spray arm
- 2 Lower spray arm
- 3 Filters
- 4 Rating plate
- 5 Salt container
- 6 Air vent
- 7 Rinse aid dispenser
- 8 Detergent dispenser

- 9 Cutlery basket
- 10 Lower basket
- 11 Upper basket

The graphic is a general overview. For more details, refer to other chapters or documents provided with the appliance.

### 4.1 Beam-on-Floor

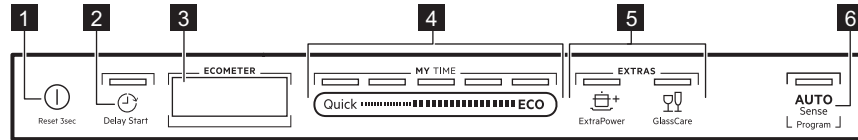
Beam-on-Floor is a light displayed on the floor below the appliance door.

- When the programme starts, a red light comes on and stays on for the duration of the programme.
- When the programme is completed, a green light comes on.
- When the appliance has a malfunction, the red light flashes.

Beam-on-Floor is off when the appliance is deactivated.

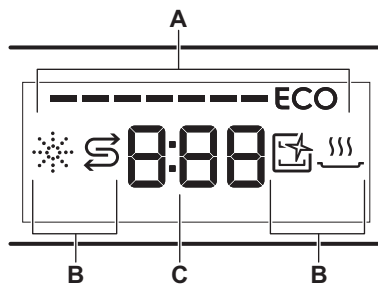
When AirDry is activated during the drying phase, the projection on the floor may not be completely visible. To see if the cycle is finished, check the control panel.

## 5. CONTROL PANEL



- 1** On/Off button / Reset button
- 2** Delay start button
- 3** Display
- 4** MY TIME program selection bar
- 5** Option buttons (EXTRAS)
- 6** AUTO Sense program button

### 5.1 Display



- A. ECOMETER
- B. Indicators
- C. Time indicator

### 5.3 Indicators

Indicator	Description
	Rinse aid indicator. It is on when the rinse aid dispenser needs refilling. Refer to " <b>Before first use</b> ".
	Salt indicator. It is on when the salt container needs refilling. Refer to " <b>Before first use</b> ".
	Machine Care indicator. It is on when the appliance needs internal cleaning with the Machine Care programme. Refer to " <b>Care and cleaning</b> ".
	Drying phase indicator. It is on when you select a programme with the drying phase. It flashes when the drying phase operates. Refer to " <b>Programme selection</b> ".

### 5.2 ECOMETER



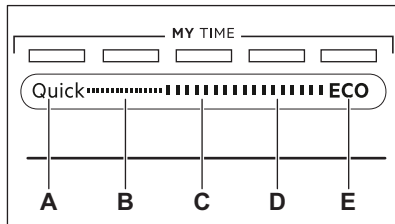
The ECOMETER indicates how the programme selection impacts energy and water consumption. The more bars are on, the lower the consumption is.

**ECO** indicates the most environmentally friendly programme selection for a normally soiled dishwashing load.

## 6. PROGRAMME SELECTION

### 6.1 MY TIME

MY TIME selection bar allows to select a suitable dishwashing cycle based on programme duration.



- A. **Quick** is the shortest programme (**30min**) suitable for dishwashing a load with fresh and light soil.
- B. **1h** is a programme suitable for dishwashing a load with fresh and lightly dried-on soil.
- C. **1h 30min** is a programme suitable for dishwashing and drying normally soiled items.
- D. **2h 40min** is a programme suitable for dishwashing and drying heavily soiled items.
- E. **ECO** is the longest programme offering the most efficient use of energy and water consumption for crockery and cutlery with normal soil. This is the standard programme for test institutes. <sup>1)</sup>

### 6.4 Programmes overview

Programme	Dishwasher load	Degree of soil	Programme phases	EXTRAS
Quick	Crockery, cutlery	Fresh	<ul style="list-style-type: none"> <li>• Dishwashing 50 °C</li> <li>• Intermediate rinse</li> <li>• Final rinse 45 °C</li> <li>• AirDry <sup>1)</sup></li> </ul>	<ul style="list-style-type: none"> <li>• ExtraPower</li> <li>• GlassCare</li> </ul>

### 6.2 AUTO Sense


The AUTO Sense programme automatically adjusts the dishwashing cycle to the type of load.

The appliance senses the degree of soil and the amount of dishes in the baskets. It adjusts the temperature and quantity of water as well as the wash duration.


### 6.3 EXTRAS

You can adjust the programme selection to your needs by activating EXTRAS.

#### ExtraPower

 ExtraPower improves the dishwashing results of the selected programme. The option increases the wash temperature and duration.

#### GlassCare

 GlassCare prevents delicate load, glassware in particular, from damaging. The option prevents rapid changes in the dishwashing temperature of the selected programme and reduces it to 45 °C.

<sup>1)</sup> This programme is used to assess compliance with the Ecodesign Commission Regulation (EU) 2019/2022.

Programme	Dishwasher load	Degree of soil	Programme phases	EXTRAS
1h	Crockery, cutlery	Fresh, lightly dried-on	<ul style="list-style-type: none"> <li>Dishwashing 60 °C</li> <li>Intermediate rinse</li> <li>Final rinse 50 °C</li> <li>AirDry <b>1)</b></li> </ul>	<ul style="list-style-type: none"> <li>ExtraPower</li> <li>GlassCare</li> </ul>
1h 30min	Crockery, cutlery, pots, pans	Normal, lightly dried-on	<ul style="list-style-type: none"> <li>Dishwashing 60 °C</li> <li>Intermediate rinse</li> <li>Final rinse 55 °C</li> <li>Drying</li> <li>AirDry <b>1)</b></li> </ul>	<ul style="list-style-type: none"> <li>ExtraPower</li> <li>GlassCare</li> </ul>
2h 40min	Crockery, cutlery, pots, pans	Normal to heavy, dried-on	<ul style="list-style-type: none"> <li>Prewash</li> <li>Dishwashing 60 °C</li> <li>Intermediate rinse</li> <li>Final rinse 60 °C</li> <li>Drying</li> <li>AirDry <b>1)</b></li> </ul>	<ul style="list-style-type: none"> <li>ExtraPower</li> <li>GlassCare</li> </ul>
ECO	Crockery, cutlery, pots, pans	Normal, lightly dried-on	<ul style="list-style-type: none"> <li>Prewash</li> <li>Dishwashing 50 °C</li> <li>Intermediate rinse</li> <li>Final rinse 55 °C</li> <li>Drying</li> <li>AirDry <b>1)</b></li> </ul>	<ul style="list-style-type: none"> <li>ExtraPower</li> <li>GlassCare</li> </ul>
AUTO Sense	Crockery, cutlery, pots, pans	All	<ul style="list-style-type: none"> <li>Prewash</li> <li>Dishwashing 50 - 60 °C</li> <li>Intermediate rinse</li> <li>Final rinse 60 °C</li> <li>Drying</li> <li>AirDry <b>1)</b></li> </ul>	Not applicable
Machine Care	For cleaning the appliance interior. Refer to "Care and Cleaning".		<ul style="list-style-type: none"> <li>Cleaning 70 °C</li> <li>Intermediate rinse</li> <li>Final rinse</li> <li>AirDry <b>1)</b></li> </ul>	Not applicable

**1)** Automatic door opening during the drying phase. Refer to "Basic settings".

### Consumption values

Programme <sup>1)2)</sup>	Water (l)	Energy (kWh)	Duration (min)
Quick	10.2	0.620	30
1h	10.6	0.990	60
1h 30min	10.6	0.990	90

Programme 1)2)	Water (l)	Energy (kWh)	Duration (min)
2h 40min	12.4	1.170	160
ECO	9.9	0.835	240
AUTO Sense	11.6	1.110	170
Machine Care	9.7	0.510	60

1) The pressure and the temperature of the water, the variations of the mains supply, the options, the quantity of dishes and the degree of soil can change the values.

2) The values for programmes other than ECO are indicative only.

### Information for test institutes

To receive the necessary information for conducting performance tests (e.g. according to: EN60436 ), send an email to:

[info.test@dishwasher-production.com](mailto:info.test@dishwasher-production.com)

In your request, include the product number code (PNC) from the rating plate.

For any other questions regarding your dishwasher, refer to the service book provided with your appliance.

## 7. BASIC SETTINGS

You can configure the appliance by changing basic settings according to your needs.

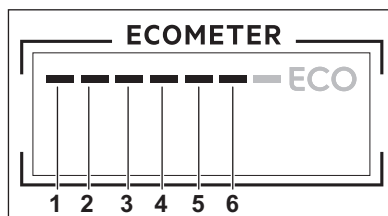
Number	Settings	Values	Description <sup>1)</sup>
1	Water hardness	1L - 10L (default: 5L)	Adjust the level of the water softener according to the water hardness in your area.
2	Rinse aid empty notification	On (default) Off	Activate or deactivate the rinse aid indicator.
3	End sound	On Off (default)	Activate or deactivate the acoustic signal for the end of a programme.
4	Auto door open	On (default) Off	Activate or deactivate the AirDry.
5	Key tones	On (default) Off	Activate or deactivate the sound of the buttons when pressed.
6	Latest programme selection	On Off (default)	Enable or disable the automatic selection of the most recently used programme and options.

1) For more details, refer to the information provided in this chapter.

You can change the basic settings in setting mode.

When the appliance is in setting mode, the bars of the ECOMETER represent available settings. For each setting, a dedicated bar of the ECOMETER flashes.

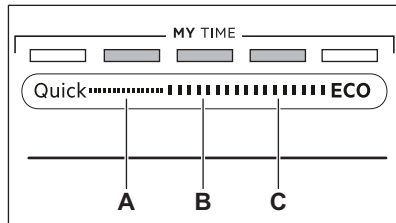
The order of the basic settings presented in the table is also the order of the settings on the ECOMETER:



## 7.1 Setting mode

### How to navigate in setting mode

You can navigate in setting mode using MY TIME selection bar.



**A. Previous** button

**B. OK** button

**C. Next** button

Use **Previous** and **Next** to switch between the basic settings and to change their value.

Use **OK** to enter the selected setting and to confirm changing its value.

### How to enter setting mode

You can enter setting mode before starting a programme. You cannot enter setting mode while the programme is running.

To enter setting mode, press and hold simultaneously **Quick** and **ECO** for about 3 seconds.

The lights related to the **Previous**, **OK** and **Next** are on.

### How to change a setting

Make sure the appliance is in setting mode.

1. Use **Previous** or **Next** to select the bar of the ECOMETER dedicated to the desired setting.

#### Water hardness

German de-grees (°dH)	French de-grees (°fH)	mmol/l	mg/l (ppm)	Clarke de-grees	Water softener level
47 - 50	84 - 90	8.4 - 9.0	835 - 904	58 - 63	10
43 - 46	76 - 83	7.6 - 8.3	755 - 834	53 - 57	9
37 - 42	65 - 75	6.5 - 7.5	645 - 754	46 - 52	8

- The bar of the ECOMETER dedicated to the chosen setting flashes.
  - The display shows the current setting value.
2. Press **OK** to enter the setting.
    - The bar of the ECOMETER dedicated to the chosen setting is on. The other bars are off.
    - The current setting value flashes.
  3. Press **Previous** or **Next** to change the value.
  4. Press **OK** to confirm the setting.
    - The new setting is saved.
    - The appliance returns to the basic settings list.
  5. Press and hold simultaneously **Quick** and **ECO** for about 3 seconds to exit setting mode.

The appliance returns to the programme selection.

The saved settings remain valid until you change them again.

## 7.2 The water softener

The water softener removes minerals from the water supply, which would have a negative effect on the washing results and on the appliance.

The higher the content of these minerals, the harder your water is. Water hardness is measured in equivalent scales.

The water softener should be adjusted according to the hardness of the water in your area. Your local water authority can advise you on the hardness of the water in your area. Set the right level of the water softener to assure good washing results.

German de- grees (°dH)	French de- grees (°fH)	mmol/l	mg/l (ppm)	Clarke de- grees	Water softener level
29 - 36	51 - 64	5.1 - 6.4	505 - 644	36 - 45	7
23 - 28	40 - 50	4.0 - 5.0	395 - 504	28 - 35	6
19 - 22	33 - 39	3.3 - 3.9	325 - 394	23 - 27	5 <sup>1)</sup>
15 - 18	26 - 32	2.6 - 3.2	255 - 324	18 - 22	4
11 - 14	19 - 25	1.9 - 2.5	185 - 254	13 - 17	3
4 - 10	7 - 18	0.7 - 1.8	70 - 184	5 - 12	2
<4	<7	<0.7	<70	< 5	1 <sup>2)</sup>

1) Factory setting.

2) Do not use salt at this level.

**Regardless of the type of detergent used, set the proper water hardness level to keep the salt refill indicator active.**

Multi-tabs containing salt are not effective enough to soften hard water.

#### Regeneration process

For the correct water softener operation, the resin of the softener device needs to be regenerated regularly. This process is automatic and is the part of the normal dishwasher operation.

When the prescribed quantity of water (see values in the table) has been used since the previous regeneration process, a new regeneration process will be initiated between the final rinse and the programme end.

Water softener level	Amount of water (l)
1	250
2	100
3	62
4	47
5	25
6	17
7	10
8	5

Water softener level	Amount of water (l)
9	3
10	3

In case of the high water softener setting, it may occur also in the middle of the programme, before the rinse (twice during a programme). Regeneration initiation has no impact on the cycle duration, unless it occurs in the middle of a programme or at the end of a programme with a short drying phase. In such cases, the regeneration prolongs the total duration of a programme by additional 5 minutes.

Subsequently, the rinsing of the water softener that lasts 5 minutes may begin in the same cycle or at the beginning of the next programme. This activity increases the total water consumption of a programme by additional 4 litres and the total energy consumption of a programme by additional 2 Wh. The rinsing of the softener ends with a complete drain.

Each performed softener rinse (possible more than one in the same cycle) may prolong the programme duration by another 5 minutes when it occurs at any point at the beginning or in the middle of a programme.



All the consumption values mentioned in this section are determined in line with the currently applicable standard in laboratory conditions with water hardness 2.5mmol/L (water softener: level 3) according to the regulation: 2019/2022 . The pressure and the temperature of water as well as the variations of the mains supply can change the values.

### 7.3 The rinse aid empty notification

The rinse aid helps to dry the dishes without streaks and stains. It is automatically released during the final rinse.

When the rinse aid chamber is empty, the rinse aid indicator turns on. If the drying results are satisfactory while using multi-tablets only, you can deactivate the notification for refilling the rinse aid. However, for best drying performance, always use rinse aid.

If standard detergent or multi-tablets without rinse aid are used, activate the notification to keep the rinse aid refill indicator active.

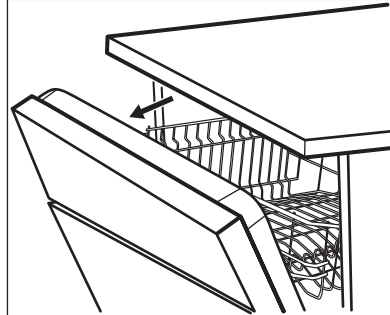
### 7.4 End sound

You can activate an acoustic signal that sounds when the programme is completed.

Acoustic signals sound also when a malfunction of the appliance occurs. It is not possible to deactivate these signals.

### 7.5 AirDry

AirDry improves the drying results. The appliance door opens automatically during the drying phase and remains ajar.



AirDry is automatically activated with all programmes.

The duration of the drying phase and the door opening time vary depending on the selected programme and options.

When AirDry opens the door, the display shows the remaining time of the running programme.

#### CAUTION!

Do not try to close the appliance door within 2 minutes after automatic opening. This can cause damage to the appliance.

#### CAUTION!

If children have access to the appliance, we advise to deactivate AirDry. The automatic opening of the door may pose a danger.

When AirDry opens the door, Beam-on-Floor might not be completely visible. To see if the programme is complete, look at the control panel.

### 7.6 Key tones

The buttons on the control panel make a click sound when you press them. You can deactivate this sound.

### 7.7 Latest programme selection

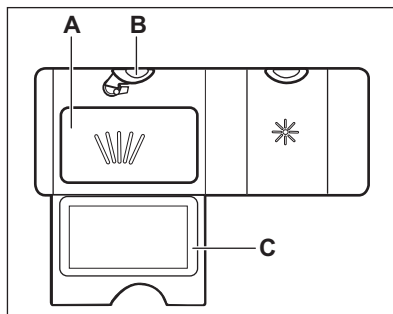
You can set the automatic selection of the most recently used programme and options.

The latest programme that was completed before the appliance deactivation is saved. It

## 9. DAILY USE

1. Open the water tap.
2. Press and hold ① until the appliance is activated.
3. Fill the salt container if it is empty.
4. Fill the rinse aid dispenser if it is empty.
5. Load the baskets.
6. Add the detergent.
7. Select and start a programme.
8. Close the water tap when the programme is complete.

### 9.1 Using the detergent



1. Press the release button (B) to open the lid (C).

2. Put the detergent, in powder or tablets, in the compartment (A).
3. If the programme has a prewash phase, put a small quantity of detergent on the inner part of the appliance door.
4. Close the lid. Make sure that the release button locks into position.

For information about the detergent dosage, refer to the manufacturer's instructions on the packaging of the product. Usually, 20 - 25 ml of gel detergent is adequate for washing a load with normal soil.

Do not fill the compartment (A) with more than 30 ml of gel detergent.

### 9.2 How to select and start a programme using MY TIME selection bar

1. Slide your finger across MY TIME selection bar to choose a suitable programme.

- The light related to the selected programme is on.
  - The ECOMETER indicates the level of energy and water consumption.
  - The display shows the programme duration.
2. Activate applicable EXTRAS if desired.
  3. Close the appliance door to start the programme.

### 9.3 How to activate EXTRAS

1. Select a programme using MY TIME selection bar.
2. Press the button dedicated to the option you want to activate.
  - The light related to the button is on.
  - The display shows the updated programme duration.
  - The ECOMETER indicates the updated level of energy and water consumption.


By default, options must be activated every time before you start a programme. If the latest programme selection is enabled, the saved options are activated automatically along with the programme.

It is not possible to activate or deactivate options while a programme is running.

Not all options are compatible with each other.

Activating options often increases the water and energy consumption as well as the programme duration.


### 9.4 How to start the AUTO Sense program

1. Press .
  - The light related to the button is on.
  - The display shows the longest possible program duration.

2. Close the appliance door to start the program.

The appliance senses the type of load and adjusts a suitable wash cycle. During the cycle, the sensors operate several times and the initial program duration can decrease.

### 9.5 How to delay the start of a programme

1. Select a programme.
2. Press  repeatedly until the display shows the desired delay time (from 1 to 24 hours).


The light related to the button is on.

3. Close the appliance door to start the countdown.

During the countdown, it is not possible to change the delay time and the programme selection.


When the countdown is complete, the programme starts.

### 9.6 How to cancel the delay start while the countdown operates

Press and hold  for about 3 seconds. The appliance returns to the programme selection.

If you cancel the delay start, you have to select the programme again.

### 9.7 How to cancel a running programme

Press and hold  for about 3 seconds. The appliance returns to the programme selection.

Make sure that there is detergent in the detergent dispenser before you start a new programme.

### 9.8 Opening the door while the appliance operates

Opening the door while a programme is running stops the appliance. It may affect the energy consumption and the programme

duration. After closing the door, the appliance continues from the point of interruption.

If the door is opened for more than 30 seconds during the drying phase, the running programme ends. It does not happen if the door is opened by AirDry function.

### 9.9 The Auto Off function

This function saves energy by switching the appliance off when it is not operating.

The function comes into operation automatically:

- When the programme is completed.
- After 5 minutes if a programme was not started.

### 9.10 End of the programme

When the programme is complete, the display shows **0:00**.

The Auto Off function switches the appliance off automatically.

All buttons are inactive except for the on/off button.

## 10. HINTS AND TIPS

### 10.1 General

Follow the hints below to ensure optimal cleaning and drying results in daily use and to protect the environment.

- Washing dishes in the dishwasher as instructed in the user manual usually consumes less water and energy than washing dishes by hand.
- Load the dishwasher to its full capacity to save water and energy. For best cleaning results, arrange items in the baskets as instructed in the user manual and do not overload the baskets.
- Do not pre-rinse dishes by hand. It increases the water and energy consumption. When needed, select a programme with a prewash phase.
- Remove larger residues of food from the dishes and empty cups and glasses before putting them inside the appliance.
- Soak or slightly scour cookware with firmly cooked-on or baked-on food before washing it in the appliance.
- Make sure that items in the baskets do not touch or cover each other. Only then can the water completely reach and wash the dishes.
- You can use dishwasher detergent, rinse aid and salt separately or you can use the multi-tablets (e.g. "All in 1"). Follow the instructions on the packaging.
- Select a programme according to the type of load and the degree of soil. ECO offers

the most efficient use of water and energy consumption.

- To prevent limescale buildup inside the appliance:
  - Refill the salt container whenever necessary.
  - Use the recommended dosage of the detergent and rinse aid.
  - Make sure that the current level of the water softener agrees with the hardness of the water supply.
  - Follow the instructions in the chapter "**Care and cleaning**".

### 10.2 Using salt, rinse aid and detergent

- Only use salt, rinse aid and detergent designed for dishwasher. Other products can cause damage to the appliance.
- In areas with hard and very hard water, we recommend to use basic dishwasher detergent (powder, gel, tablets containing no additional agents), rinse aid and salt separately for optimal cleaning and drying results.
- Detergent tablets do not fully dissolve with short programmes. To prevent detergent residues on the tableware, we recommend that you use tablets with long programmes.
- Always use the correct quantity of detergent. Insufficient dosage of detergent can result in poor cleaning results and hard-water filming or spotting on the items. Using too much detergent with soft or

softened water results in detergent residues on the dishes. Adjust the amount of detergent based on the water hardness. Refer to the instructions on the detergent packaging.

- Always use the correct quantity of rinse aid. Insufficient dosage of rinse aid decreases the drying results. Using too much rinse aid results in bluish layers on the items.
- Make sure that the water softener level is correct. If the level is too high, the increased quantity of salt in the water might result in rust on cutlery.

### 10.3 What to do if you want to stop using multi-tablets

Before you start using separately detergent, salt and rinse aid, complete the following steps:

1. Set the highest level of the water softener.
2. Make sure that the salt and rinse aid containers are full.
3. Start the Quick programme. Do not add detergent and do not put dishes in the baskets.
4. When the programme is completed, adjust the water softener according to the water hardness in your area.
5. Adjust the released quantity of rinse aid.

### 10.4 Before starting a programme

Before you start the selected programme, make sure that:

- The filters are clean and correctly installed.
- The cap of the salt container is tight.
- The spray arms are not clogged.
- There is enough salt and rinse aid (unless you use multi-tablets).
- The arrangement of the items in the baskets is correct.

- The programme is suitable to the type of load and the degree of soil.
- The correct quantity of detergent is used.

### 10.5 Loading the baskets

- Always use the whole space of the baskets.
- Use the appliance to wash dishwasher-safe items only.
- Do not wash the following materials in the dishwasher: wood, horn, pewter, copper, aluminium, delicate ornamented porcelain and unprotected carbon steel. This can cause them to crack, warp, discolour, pit or rust.
- Do not wash in the appliance items that can absorb water (sponges, household cloths).
- Put hollow items (cups, glasses and pans) with the opening facing downwards.
- Make sure that glasses do not touch each other.
- Put light or plastic items in the upper basket. Make sure that the items do not move freely.
- Put cutlery and small items in the cutlery basket.
- Make sure that the spray arms can move freely before you start a programme.

### 10.6 Unloading the baskets

1. Let the tableware cool down before you remove it from the appliance. Hot items can be easily damaged.
2. First remove items from the lower basket, then from the upper basket.

After the programme is completed, water can still remain on the inside surfaces of the appliance.