

# **Dishwasher** Instruction Manual

**PART II: Special Version**

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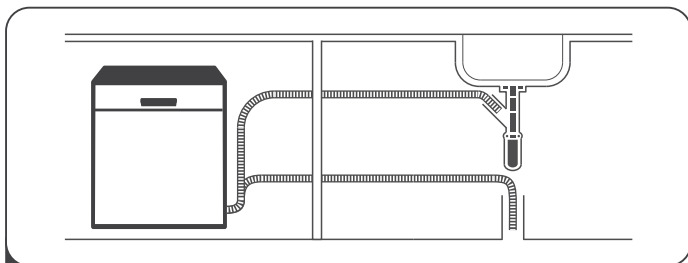


## NOTE:

- If you cannot solve the problems by yourself, please ask for help from a professional technician.
- The manufacturer, following a policy of constant development and updating of the product, may make modifications without giving prior notice.
- If lost or out-of-date, you can receive a new user manual from the manufacturer or responsible vendor.

# QUICK USER GUIDE

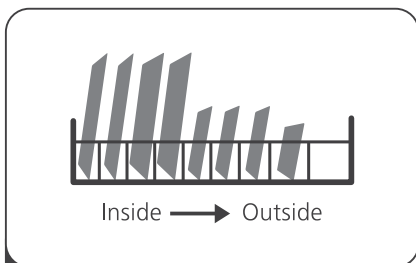
Please read the corresponding content on the instruction manual for detailed operating method.



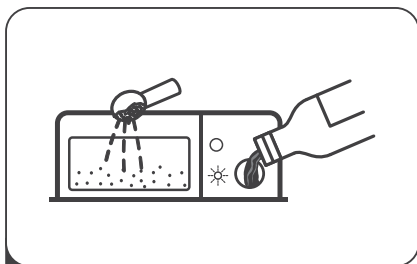
- 1** Install the dishwasher  
**(Please check the section 5 “INSTALLATION INSTRUCTION” of PART I : Generic Version.)**



- 2** Removing the larger residue on the cutlery



- 3** Loading the baskets



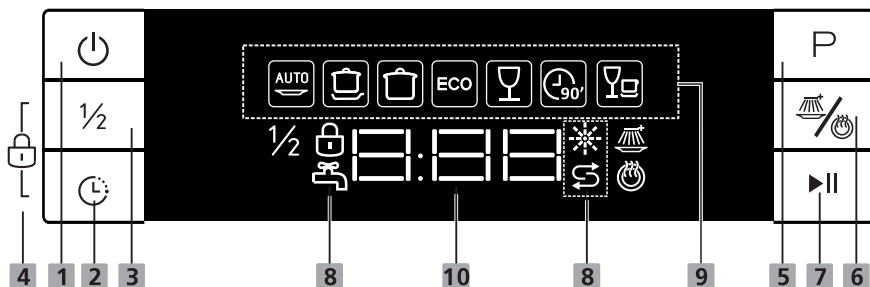
- 4** Filling the dispenser





- 5** Selecting a program and running the dishwasher

# USING YOUR DISHWASHER

## Control Panel
















### Operation (Button)

<b>1 Power</b>	Press this button to turn on your dishwasher, the screen lights up.
<b>2 Half-load</b>	When you have about or less than 6 place setting dishware to wash, you can choose this function to save energy and water. (It can only be used with Auto, Intensive, ECO, and 90 min.) When pressing this button, corresponding indicator will be lit.
<b>3 Delay</b>	Press this button to set the delayed hours for washing. You can delay the start of washing up to 24 hours. One press on this button delays the start of washing by one hour.
<b>4 Child lock</b>	This option allows you to lock the buttons on the control panel (except the Power button). So children cannot accidentally start the dishwasher by pressing the buttons on the panel. To lock or unlock the buttons on the control panel, press and hold the Alt button and Delay button for 3 seconds simultaneously. When pressing this button, corresponding indicator will be lit.
<b>5 Program</b>	Select the appropriate washing program, the selected program indicator will be lit.
<b>6 Extra Drying</b>	If you want to dry your dishes more completely, please select this function. 
<b>6 Extra Cleaning</b>	If you want to wash very dirty, hard to clean dishes, please select this function. 

<b>7 Start / Pause</b>	To start the selected washing program or pause it when the dishwasher is working.
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## Display

<b>8 Warning indicator</b>	<p> <b>Rinse Aid</b> If the "  " indicator is lit, it means the dishwasher is low on dishwasher rinse aid and requires a refill.</p> <p> <b>Salt</b> If the "  " indicator is lit, it means the dishwasher is low on dishwasher salt and needs to be refilled.</p> <p> <b>Water Faucet</b> If the "  " indicator is lit, it means the water faucet closed.</p>
<b>9 Program indicator</b>	<p> <b>Auto</b> For lightly, normally or heavily soiled crockery with or without dried-on food.</p> <p> <b>Intensive</b> Heavily soiled items include pots and pans. With dried on food.</p> <p> <b>Normal</b> For normally soiled loads, such as pots, plates, glasses and lightly soiled pans.</p> <p><b>ECO ECO</b> This is standard program, it is suitable to clean normally soiled tableware and it is the most efficient program in terms of its combined energy and water consumption for that type of tableware.</p> <p> <b>Glass</b> For lightly soiled crockery and glass.</p> <p> <b>90 Min</b> For normally soiled loads that need quick wash.</p> <p> <b>Rapid</b> A shorter wash for lightly soiled loads that do not need drying.</p>
<b>10 screen</b>	 To show the reminding time, delay time, error code etc.

# Water Softener

The water softener must be set manually, using the water hardness dial.

The water softener is designed to remove minerals and salts from the water, which would have a detrimental or adverse effect on the operation of the appliance.

The more minerals there are, the harder your water is.

The 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.

## Adjusting salt consumption

The dishwasher is designed to allow for adjustment in the amount of salt consumed based on the hardness of the water used. This is intended to optimise and customise the level of salt consumption.

Please follow the steps below for adjustment in salt consumption.

1. Switch on the appliance;
2. Press the Start/Pause button for more than 5 seconds to start the water softener set model within 60seconds after the appliance was switched on;
3. Press the Start/Pause button to select the proper set according to your local environment, the sets will change in the following sequence:  
H1->H2->H3->H4->H5->H6;
4. Press the Power button to end the set up model.

WATER HARDNESS				Water softener level	Salt consumption (gram/cycle)
German °dH	French °fH	British °Clarke	Mmol/l		
0 - 5	0 - 9	0 - 6	0 - 0.94	H1-> Rapid Light bright	0
6 - 11	10 - 20	7 - 14	1.0 - 2.0	H2-> 90 Min Light bright	9
12 - 17	21 - 30	15 - 21	2.1 - 3.0	H3-> 90 Min, Rapid Light bright	12
18 - 22	31 - 40	22 - 28	3.1 - 4.0	H4-> Glass Light bright	20
23 - 34	41 - 60	29 - 42	4.1 - 6.0	H5-> Glass, Rapid Light bright	30
35 - 55	61 - 98	43 - 69	6.1 - 9.8	H6-> Glass, 90 Min Light bright	60

1°dH=1.25 °Clarke=1.78 °fH=0.178mmol/l

The manufactory setting: H3

Contact your local water board for information on the hardness of your water supply.



Please check the section 3 “Loading The Salt Into The Softener” of PART I : Generic Version, If your dishwasher lacks salt.



## NOTE:

**If your model does not have any water softener, you may skip this section.**  
**Water Softener**

The hardness of the water varies from place to place. If hard water is used in the dishwasher, deposits will form on the dishes and utensils.

The appliance is equipped with a special softener that uses a salt container specifically designed to eliminate lime and minerals from the water.

## Preparing And Loading Dishes

- Consider buying utensils which are identified as dishwasher-proof.
- For particular items, select a program with the lowest possible temperature.
- To prevent damage, do not take glass and cutlery out of the dishwasher immediately after the program has ended.

### For washing the following cutlery/dishes

#### Are not suitable

- Cutlery with wooden, horn china or mother-of-pearl handles
- Plastic items that are not heat resistant
- Older cutlery with glued parts that are not temperature resistant
- Bonded cutlery items or dishes
- Pewter or cooper items
- Crystal glass
- Steel items subject to rusting
- Wooden platters
- Items made from synthetic fibres

#### Are of limited suitability

- Some types of glasses can become dull after a large number of washes
- Silver and aluminum parts have a tendency to discolour during washing
- Glazed patterns may fade if machine washed frequently

## Recommendations for loading the dishwasher

Scrape off any large amounts of leftover food. Soften remnants of burnt food in pans. It is not necessary to rinse the dishes under running water.

For best performance of the dishwasher, follow these loading guidelines.

**(Features and appearance of baskets and cutlery baskets may vary from your model.)**

Place objects in the dishwasher in following way:

- Items such as cups, glasses, pots/pans, etc. are faced downwards.
- Curved items, or ones with recesses, should be loaded aslant so that water can run off.
- All utensils are stacked securely and can not tip over.
- All utensils are placed in the way that the spray arms can rotate freely during washing.
- Load hollow items such as cups, glasses, pans etc. With the opening facing downwards so that water cannot collect in the container or a deep base.
- Dishes and items of cutlery must not lie inside one another, or cover each other.
- To avoid damage, glasses should not touch one another.
- The upper basket is designed to hold more delicate and lighter dishware such as glasses, coffee and tea cups.
- Long bladed knives stored in an upright position are a potential hazard!
- Long and / or sharp items of cutlery such as carving knives must be positioned horizontally in the upper basket.
- Please do not overload your dishwasher. This is important for good results and for reasonable consumption of energy.

### **NOTE:**

Very small items should not be washed in the dishwasher as they could easily fall out of the basket.

## Removing the dishes

To prevent water dripping from the upper basket into the lower basket, we recommend that you empty the lower basket first, followed by the upper basket.

### **WARNING**

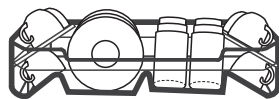


**Items will be hot!** To prevent damage, do not take glass and cutlery out of the dishwasher for around 15 minutes after the program has ended.



## Loading the upper basket

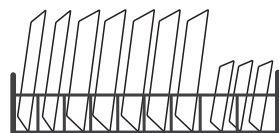
The upper basket is designed to hold more delicate and lighter dishware such as glasses, coffee and tea cups and saucers, as well as plates, small bowls and shallow pans (as long as they are not too dirty). Position the dishes and cookware so that they will not get moved by the spray of water.



## Loading the lower basket

We suggest that you place large items and the most difficult to clean items are to be placed into the lower basket: such as pots, pans, lids, serving dishes and bowls, as shown in the figure below. It is preferable to place serving dishes and lids on the side of the racks in order to avoid blocking the rotation of the top spray arm.

The maximum diameter advised for plates in front of the detergent dispenser is of 19 cm, this not to hamper the opening of it.



## Loading the cutlery basket

Cutlery should be placed in the cutlery rack separately from each other in the appropriate positions, and do make sure the utensils do not nest together, this may cause bad performance.

### **WARNING**



Do not let any item extend through the bottom.

Always load sharp utensils with the sharp point down!



**For the best washing effect, please load the baskets refer to standard loading options on last section of PART I : Generic Version**


# Function Of The Rinse Aid And Detergent

The rinse aid is released during the final rinse to prevent water from forming droplets on your dishes, which can leave spots and streaks. It also improves drying by allowing water to roll off the dishes. Your dishwasher is designed to use liquid rinse aids.

## ⚠ WARNING

Only use branded rinse aid for dishwasher. Never fill the rinse aid dispenser with any other substances (e.g. Dishwasher cleaning agent, liquid detergent). This would damage the appliance.

## When to refill the rinse aid dispenser

Unless the rinse-aid warning light (  ) on the control panel is on, you can always estimate the amount from the color of the optical level indicator located next to the cap. When the rinse-aid container is full, the indicator will be fully dark. The size of the dark dot decreases as the rinse-aid diminishes. You should never let the rinse aid level be less than 1/4 full.

As the rinse aid diminishes, the size of the black dot on the rinse aid level indicator changes, as illustrated below.

● Full      ● 3/4 full      ● 1/2 full      ● 1/4 full      ○ Empty

## Function of detergent

The chemical ingredients that compose the detergent are necessary to remove, crush and dispense all dirt out of the dishwasher. Most of the commercial quality detergents are suitable for this purpose.

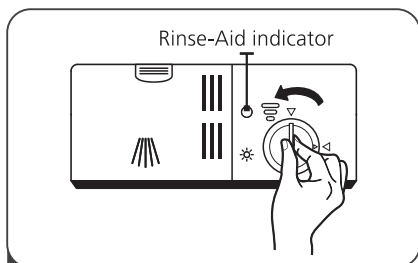
## ⚠ WARNING

- Proper Use of Detergent  
Use only detergent specifically made for dishwashers use. Keep your detergent fresh and dry.  
Don't put powdered detergent into the dispenser until you are ready to wash dishes.

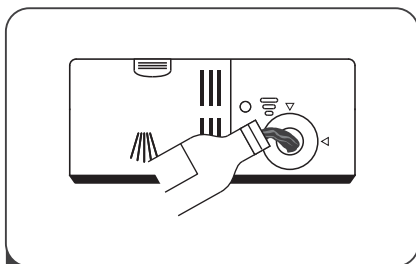


**Dishwasher detergent is corrosive! Keep dishwasher detergent out of the reach of children.**

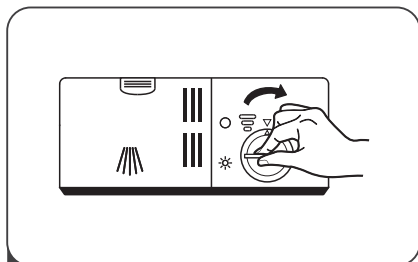
## Filling The Rinse Aid Reservoir



- 1 To open the dispenser, turn the cap to the "open" (left) arrow and lift it out.



- 2 Carefully pour in the rinse-aid into its dispenser, whilst avoiding it to overflow.

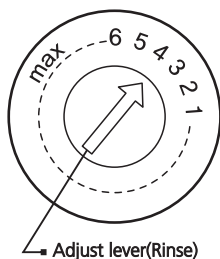


- 3 Replace the cap by inserting it aligned with "open" arrow and turning it to the closed (right) arrow.

### **NOTE:**

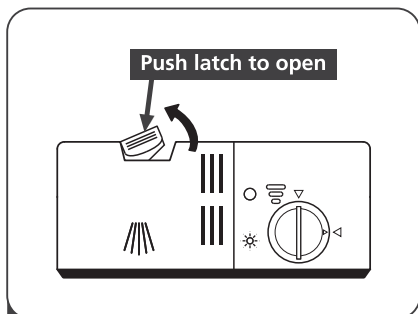
Clean up any spilled rinse aid with an absorbent cloth to avoid excessive foaming during the next wash.

## Adjusting the rinse aid reservoir

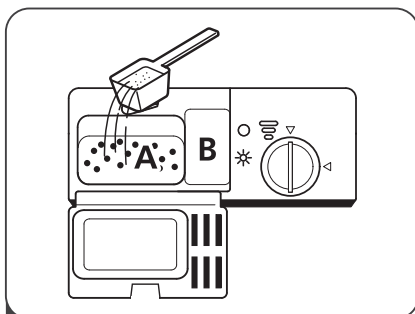


The rinse aid reservoir has six settings. Both the recommended setting and the factory setting is "4". If the dishes are not drying properly or are spotted, adjust the dial to the next higher number until your dishes are spot-free. Reduce it if there are sticky whitish stains on your dishes or a bluish film on glassware or knife blades.

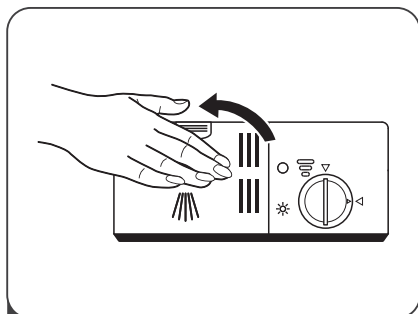
## • Filling The Detergent Dispenser



- 1 Press the release catch on the detergent dispenser to open the cover.



- 2 Add detergent into the larger cavity (A) for the main wash cycle .  
For more heavily soiled wash loads, also add some detergent into the smaller cavity (B) for the pre-wash cycle .



- 3 Close the cover and press on it until it locks into place.

### 💡 NOTE:






- Be aware that depending on the soiling of water, setting may be different.
- Please observe the manufacturer's recommendations on the detergent packaging.


# PROGRAMMING THE DISHWASHER

## Wash Cycle Table

The table below shows which programs are best for the levels of food residue on them and how much detergent is needed. It also show various information about the programs.

(●) Means: need to fill rinse into the Rinse-Aid Dispenser.

Program	Description Of Cycle	Detergent Pre/Main	Running Time(min)	Energy (Kwh)	Water (L)	Rinse Aid
 <b>Auto</b>	Pre-wash(45°C) Autowash (45-55°C) Rinse Rinse(65°C) Drying	$\frac{3/22g}{1 \text{ piece}}$	150	0.9-1.3	9.5~13	●
 <b>Intensive</b>	Pre-wash(50°C) Wash(60°C) Rinse Rinse Rinse(70°C) Drying	$\frac{3/22g}{1 \text{ piece}}$	165	1.4	16.5	●
 <b>Normal</b>	Pre-wash(45°C) Wash(55°C) Rinse Rinse(65°C) Drying	$\frac{3/22g}{1 \text{ piece}}$	175	1.1	13	●
<b>ECO</b> (*EN 50242)	Pre-wash Wash(45°C) Rinse(65°C) Drying	$\frac{3/22g}{1 \text{ piece}}$	190	0.74	9	●
 <b>Glass</b>	Pre-wash Wash(40°C) Rinse Rinse(60°C) Drying	$\frac{3/22g}{1 \text{ piece}}$	125	0.75	13.5	●
 <b>90 Min</b>	Wash(65°C) Rinse Rinse(65°C) Drying	$\frac{25g}{1 \text{ piece}}$	90	1.15	11.5	●

Program	Description Of Cycle	Detergent Pre/Main	Running Time(min)	Energy (Kwh)	Water (L)	Rinse Aid
 <b>Rapid</b>	Wash(45°C) Rinse(50°C) Rinse(55°C)	20g	30	0.7	10	○

## **NOTE:**

**EN 50242:** This program is the test cycle. The information for comparability test in accordance with EN 50242.

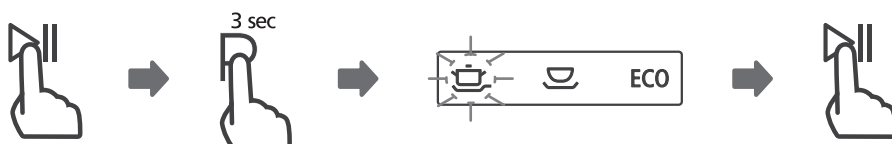
## **Starting A Cycle Wash**

1. Draw out the lower and upper basket, load the dishes and push them back. It is commended to load the lower basket first, then the upper one.
2. Pour in the detergent.
3. Insert the plug into the socket. The power supply refer to last page "Product fiche". Make sure that the water supply is turned on to full pressure.
4. Close the door, press the Power button, to switch on the machine.
5. Choose a program, the response light will turn on. Then press the Start/Pause button, the dishwasher will start its cycle.

## **Changing The Program Mid-cycle**

A wash cycle can only be changed if it has been running for a short time otherwise, the detergent may have already been released and the dishwasher may have already drained the wash water. If this is the case, the dishwasher needs to be reset and the detergent dispenser must be refilled. To reset the dishwasher, follow the instructions below:

1. Press the Start/Pause button to pause the washing.
2. Press Program button for more than 3 seconds - the program will cancel.
3. Press the Program button to select the desired program.
4. Press the Start/Pause button, after 10 seconds, the dishwasher will start.

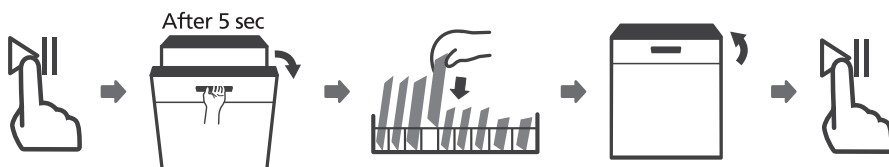


## • Forget To Add A Dish?

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A forgotten dish can be added any time before the detergent dispenser opens. If this is the case, follow the instructions below:

1. Press the Start/Pause button to pause the washing.
2. Wait 5 seconds then open the door.
3. Add the forgotten dishes.
4. Close the door.
5. Press the Start/Pause button after 10 seconds, the dishwasher will start.



### **⚠ WARNING**



It is dangerous to open the door mid-cycle, as hot steam may scald you.

# ERROR CODES

If there is a malfunction, the dishwasher will display error codes to identify these:

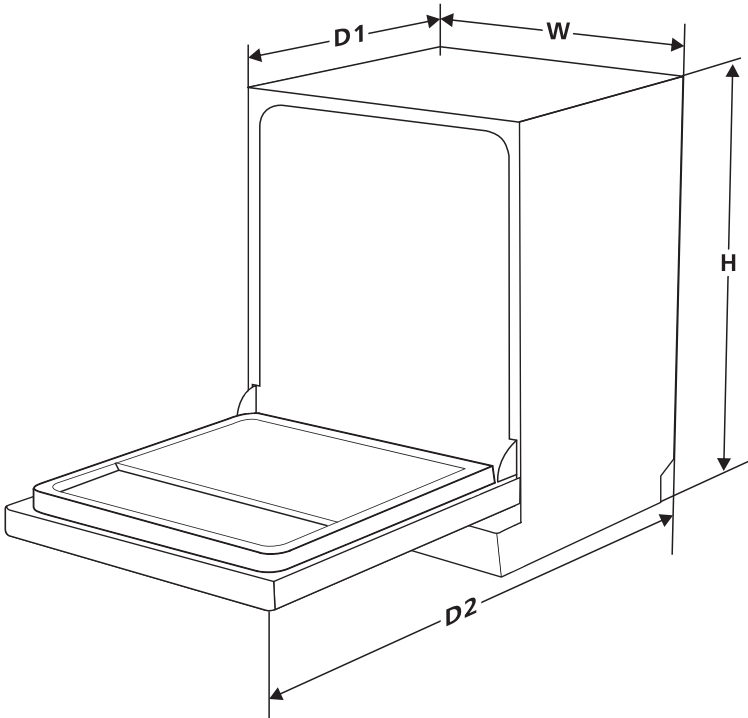
Codes	Meanings	Possible Causes
E1	Longer inlet time.	Faucets is not opened, or water intake is restricted, or water pressure is too low.
E4	Overflow.	Some element of dishwasher leaks.

## WARNING

- If overflow occurs, turn off the main water supply before calling a service.
- If there is water in the base pan because of an overfill or small leak, the water should be removed before restarting the dishwasher.



# TECHNICAL INFORMATION



<b>Height (H)</b>	845mm
<b>Width (W)</b>	448mm
<b>Depth (D1)</b>	610mm (with the door closed)
<b>Depth (D2)</b>	1175mm (with the door opened 90° )

## Product fiche

Sheet of household dishwasher according to EU Directive 1016/2010 & 1059/2010:

Manufacturer	TECNO+
Type / Description	TNP DW 745 W
Standard place settings	10
Energy efficiency class <b>①</b>	A++
Annual energy consumption <b>②</b>	211 kWh
Energy consumption of the standard cleaning cycle	0.74 kWh
Power consumption of off-mode	0.45 W
Power consumption of left-on mode	0.49W
Annual water consumption <b>③</b>	2520 liter
Drying efficiency class <b>④</b>	A
Standard cleaning cycle <b>⑤</b>	ECO 45°C
Program duration of the standard cleaning cycle	190 min
Noise level	49 dB(A) re 1 pW
Mounting	Free standing
Could be built-in	Yes
Power consumption	1760-2100W
Rated voltage / frequency	220-240V/50Hz
Water pressure (flow pressure)	0.04-1.0MPa=0.4-10 bar

### NOTE:

- ①** A + + + (highest efficiency) to D (lowest efficiency)
- ②** Energy consumption based on 280 standard cleaning cycles using cold water fill and the consumption of the low power modes. Actual energy consumption will depend on how the appliance is used.
- ③** Water consumption based on 280 standard cleaning cycles. Actual water consumption will depend on how the appliance is used.
- ④** A (highest efficiency) to G (lowest efficiency)
- ⑤** This program is suitable for cleaning soiled normally soiled tableware and that it is the most efficient program in terms of its combined energy and water consumption for that type of tableware.