

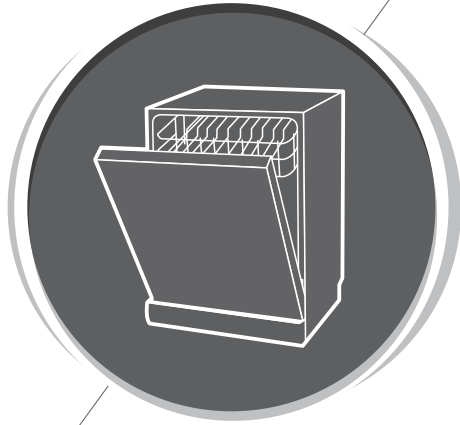
# ELBA

## EBDW 1581M SS

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User Manual



**IMPORTANT:** Please read instructions thoroughly before using this appliance. Keep them in safe place for future reference.



# **Dishwasher** Instruction Manual

**PART I : Installation Guide**

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## NOTE:

- Reviewing the section on troubleshooting Tips will help you solve some common problems by yourself.
- 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- If lost or out-of-date, you can receive a new user manual from the manufacturer or responsible vendor.

# SAFETY INFORMATION

## **⚠ WARNING**

**When using your dishwasher, follow the precautions listed below:**

- Installation and repair can only be carried out by a qualified technician
- This appliance is intended to be used in household and similar applications such as:
  - staff kitchen areas in shops, offices and other working environments;
  - farm houses;
  - by clients in hotels, motels and other residential type environments;
  - bed and breakfast type environments.
- 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 have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be done by children without supervision. (For EN60335-1)  
This appliance is not intended for use by persons (including children ) with reduced physical, sensory or

mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. (For IEC60335-1 )

- Packaging material could be dangerous for children!
- This appliance is for indoor household use only.  
To protect against the risk of electrical shock, do not immerse the unit, cord or plug in water or other liquid.
- Please unplug before cleaning and performing maintenance on the appliance.
- Use a soft cloth moistened with mild soap, and then use a dry cloth to wipe it again.



## **Earthing Instructions**

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- This appliance must be earthed. In the event of a malfunction or breakdown, earthing will reduce the risk of an electric shock by providing a path of least resistance of electric current. This appliance is equipped with an earthing conductor plug.
- The plug must be plugged into an appropriate outlet that is installed and earthed in accordance with all local codes and ordinances.
- Improper connection of the equipment-earthing conductor can result in the risk of an electric shock.
- Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded.

- Do not modify the plug provided with the appliance; If it does not fit the outlet.
- Have a proper outlet installed by a qualified electrician.
- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- Do not operate your dishwasher unless all enclosure panels are properly in place.
- Open the door very carefully if the dishwasher is operating, there is a risk of water squirting out.
- Do not place any heavy objects on or stand on the door when it is open. The appliance could tip forward.
- When loading items to be washed:
  - 1) Locate sharp items so that they are not likely to damage the door seal;
  - 2) Warning: Knives and other utensils with sharp points must be loaded in the basket with their points facing down or placed in a horizontal position.
- Some dishwasher detergents are strongly alkaline. They can be extremely dangerous if swallowed. Avoid contact with the skin and eyes and keep children away from the dishwasher when the door is open.
- Check that the detergent powder is empty after completion of the wash cycle.

- Do not wash plastic items unless they are marked “dishwasher safe” or the equivalent.
- For unmarked plastic items not so marked, check the manufacturer's recommendations.
- Use only detergent and rinse agents recommended for use in an automatic dishwasher.
- Never use soap, laundry detergent, or hand washing detergent in your dishwasher.
- The door should not be left open, since this could increase the risk of tripping.  
If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- During installation, the power supply must not be excessively or dangerously bent or flattened.
- Do not tamper with controls.
- The appliance needs to be connected to the main water valve using new hose sets. Old sets should not be reused.
- To save energy, in stand by mode, the appliance will switch off automatically while there is no any operation in 30 minutes .
- The maximum number of place settings to be washed is 15.
- The maximum permissible inlet water pressure is 1MPa.
- The minimum permissible inlet water pressure is 0.04MPa.

## Disposal

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- For disposing of package and the appliance please go to a recycling center. Therefore cut off the power supply cable and make the door closing device unusable.

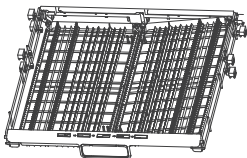
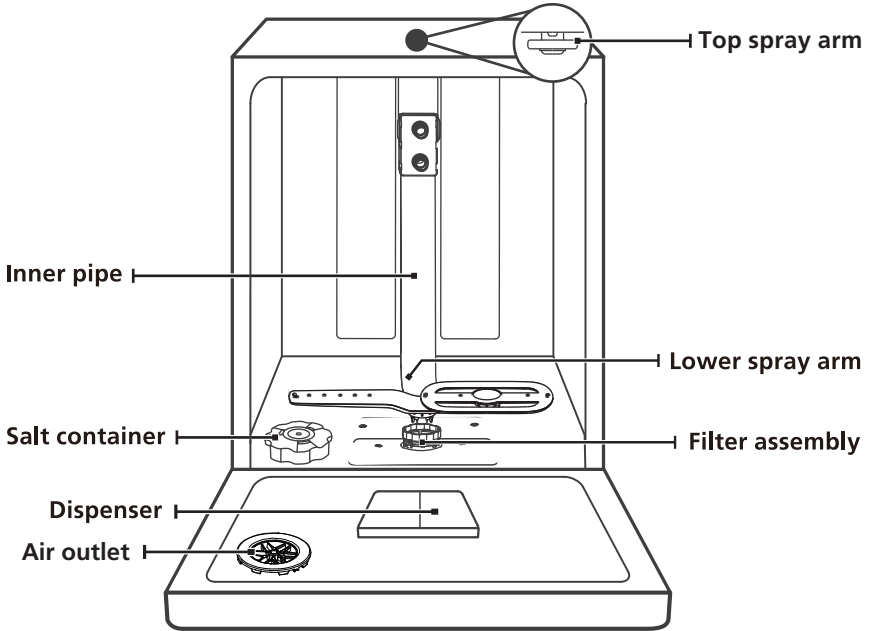


- Cardboard packaging is manufactured from recycled paper and should be disposed in the waste paper collection for recycling.
- By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.
- For more detailed information about recycling of this product, please contact your local city office and your household waste disposal service.
- **DISPOSAL: Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.**

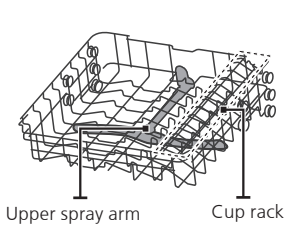
# PRODUCT OVERVIEW

## ❗ IMPORTANT:

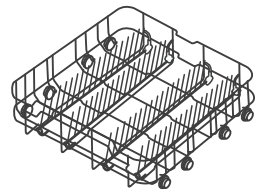
To get the best performance from your dishwasher, read all operating instructions before using it for the first time.



Cutlery rack



Upper basket



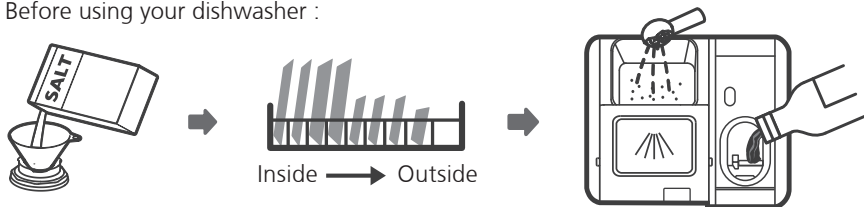
Lower basket

## 💡 NOTE:

Pictures are only for reference, different models may be different. Please prevail in kind.

# USING YOUR DISHWASHER

Before using your dishwasher :



1. Set the water softener
2. Loading the salt into the softener
3. Loading the basket
4. Fill the dispenser



Please check the section 1 “Water Softener” of PART II : Operation of the Appliance, If you need to set the water softener .

## Loading The Salt Into The Softener

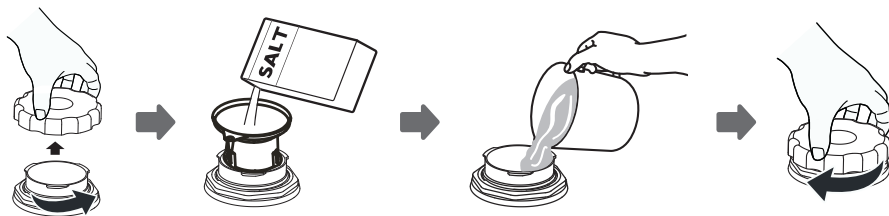
### NOTE:

If your model does not have any water softener, you may skip this section. Always use salt intended for dishwasher use. The salt container is located beneath the lower basket and should be filled as explained in the following:

### WARNING


- **Only use salt specifically designed for dishwashers use!**  
Every other type of salt not specifically designed for dishwasher use, especially table salt, will damage the water softener. In case of damages caused by the use of unsuitable salt the manufacturer does not give any warranty nor is liable for any damages caused.
- **Only fill with salt before running a cycle.**  
This will prevent any grains of salt or salty water, which may have been spilled, remaining on the bottom of the machine for any period of time, which may cause corrosion.

Please follow the steps below for adding dishwasher salt:



1. Remove the lower basket and unscrew the reservoir cap.
2. Place the end of the funnel (if supplied) into the hole and pour in about 1.5kg of dishwasher salt.
3. Fill the salt container to its maximum limit with water, It is normal for a small amount of water to come out of the salt container.
4. After filling the container, screw back the cap tightly.
5. The salt warning light will stop being after the salt container has been filled with salt.
6. Immediately after filling the salt into the salt container, a washing program should be started (We suggest to use a short program). Otherwise the filter system, pump or other important parts of the machine may be damaged by salty water. This is out of warranty.

### **NOTE:**

- The salt container must only be refilled when the salt warning light (  ) in the control panel comes on. Depending on how well the salt dissolves, the salt warning light may still be on even though the salt container is filled. If there is no salt warning light in the control panel (for some Models), you can estimate when to fill the salt into the softener by the cycles that the dishwasher has run.
- If salt has spilled, run a soak or quick program to remove it.

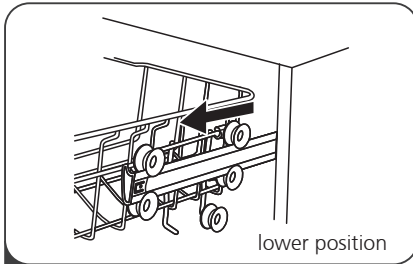
# Basket Used Tips

## Adjusting the upper basket

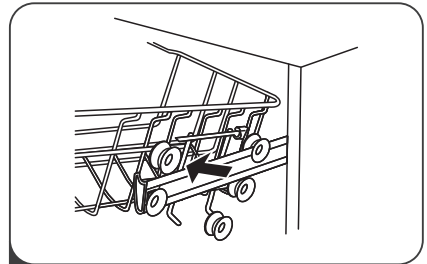
### Type 1:

The height of the upper basket can be easily adjusted to accommodate taller dishes in either the upper or lower basket.

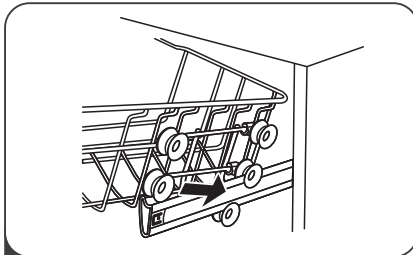
To adjust the height of the upper rack, follow these steps:



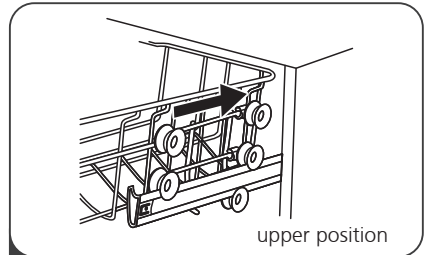
**1** Pull out the upper basket.



**2** Remove the upper basket.

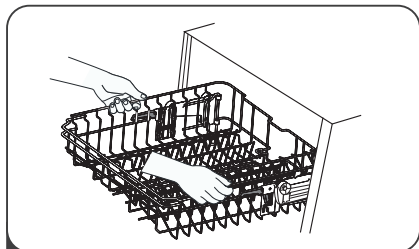


**3** Re-attach the upper basket to upper or lower rollers.

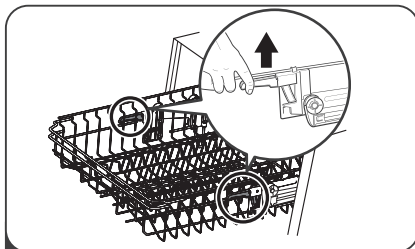


**4** Push in the upper basket.

## Type 2:



- 1** To raise the upper basket, just lift the upper basket at the center of each side until the basket locks into place in the upper position. It is not necessary to lift the adjuster handle.

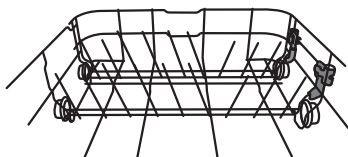


- 2** To lower the upper basket, lift the adjust handles on each side to release the basket and lower it to the lower position.

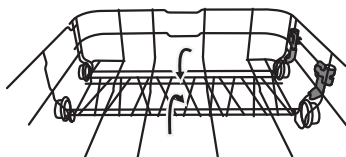
## Folding back the rack shelves

The spikes of the lower basket are used for holding plates and a platter. They can be lowered to make more room for large items.

raise upwards



fold backwards



# MAINTENANCE AND CLEANING

## External Care

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### The door and the door seal

Clean the door seals regularly with a soft damp cloth to remove food deposits. When the dishwasher is being loaded, food and drink residues may drip onto the sides of the dishwasher door. These surfaces are outside the wash cabinet and are not accessed by water from the spray arms. Any deposits should be wiped off before the door is closed.

### The control panel

If cleaning is required, the control panel should be wiped with a soft damp cloth only.

#### **WARNING**

- To avoid penetration of water into the door lock and electrical components, do not use a spray cleaner of any kind.
- Never use abrasive cleaners or scouring pads on the outer surfaces because they may scratch the finish. Some paper towels may also scratch or leave marks on the surface.

## Internal Care

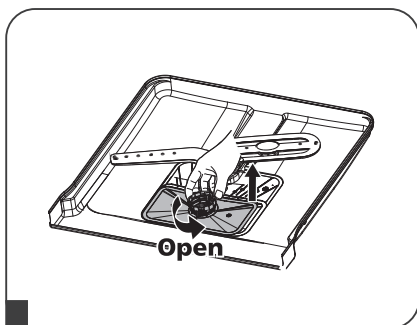
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### Filtering system

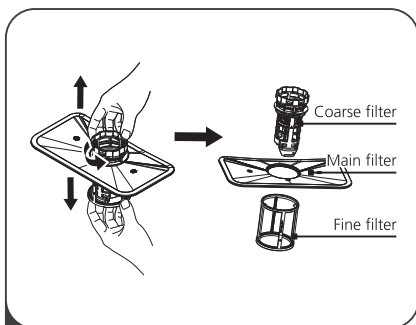
The filtering system in the base of the wash cabinet retains coarse debris from the washing cycle. The collected coarse debris may cause the filters to clog. Check the condition of the filters regularly and clean them if necessary under running water. Follow the steps below to clean the filters in the wash cabinet.

#### **NOTE:**

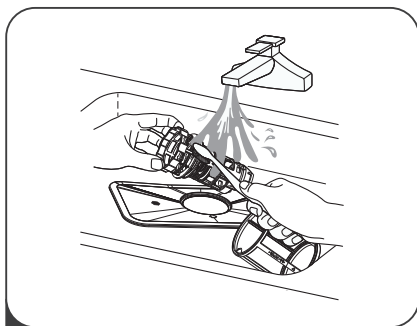
Pictures are only for reference, different models of the filtering system and spray arms may be different.



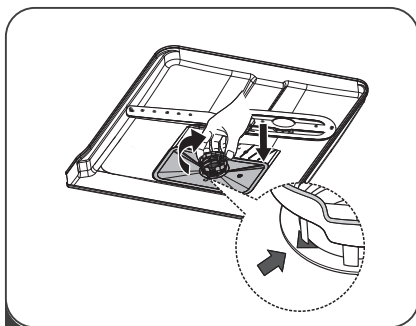
- 1 Hold the coarse filter and rotate it anticlockwise to unlock the filter. Lift the filter upwards and out of the dishwasher.



- 2 The fine filter can be pulled off the bottom of the filter assembly. The coarse filter can be detached from the main filter by gently squeezing the tabs at the top and pulling it away.



- 3 Larger food remnants can be cleaned by rinsing the filter under running water. For a more thorough clean, use a soft cleaning brush.



- 4 Reassemble the filters in the reverse order of the disassembly, replace the filter insert, and rotate clockwise to the close arrow.

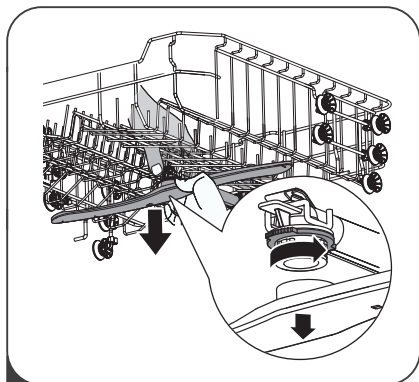
### **⚠ WARNING**

- Do not over tighten the filters. Put the filters back in sequence securely, otherwise coarse debris could get into the system and cause a blockage.
- Never use the dishwasher without filters in place. Improper replacement of the filter may reduce the performance level of the appliance and damage dishes and utensils.

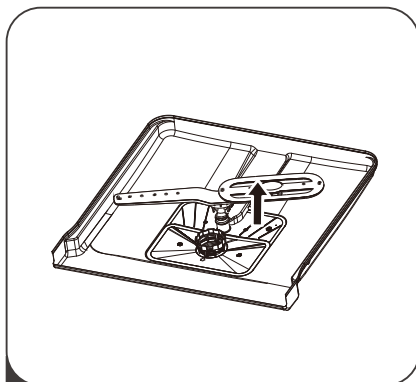
## Spray arms

It is necessary to clean the spray arms regularly for hard water chemicals will clog the spray arm jets and bearings.

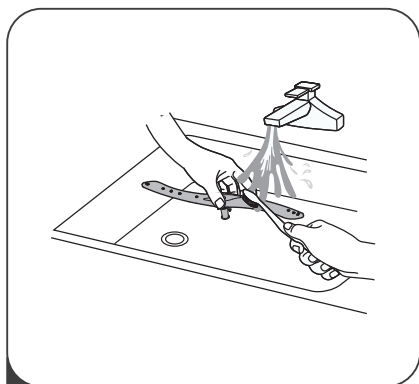
To clean the spray arms, follow the instructions below:



- 1 To remove the upper spray arm, hold the nut in the center still and rotate the spray arm counterclockwise to remove it.



- 2 To remove the lower spray arm, pull out the spray arm upward.



- 3 Wash the arms in soapy and warm water and use a soft brush to clean the jets. Replace them after rinsing them thoroughly.

# Caring For The Dishwasher

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## Frost precaution

Please take frost protection measures on the dishwasher in winter. Every time after washing cycles, please operate as follows:

1. Cut off the electrical power to the dishwasher at the supply source.
2. Turn off the water supply and disconnect the water inlet pipe from the water valve.
3. Drain the water from the inlet pipe and water valve. (Use a pan to gather the water)
4. Reconnect the water inlet pipe to the water valve.
5. Remove the filter at the bottom of the tub and use a sponge to soak up water in the sump.

## After every wash

After every wash, turn off the water supply to the appliance and leave the door slightly open so that moisture and odors are not trapped inside.

## Remove the plug

Before cleaning or performing maintenance, always remove the plug from the socket.

## No solvents or abrasive cleaning

To clean the exterior and rubber parts of the dishwasher, do not use solvents or abrasive cleaning products. Only use a cloth with warm soapy water.

To remove spots or stains from the surface of the interior, use a cloth dampened with water and a little vinegar, or a cleaning product made specifically for dishwashers.

## When not in use for a longtime

It is recommended that you run a wash cycle with the dishwasher empty and then remove the plug from the socket, turn off the water supply and leave the door of the appliance slightly open. This will help the door seals to last longer and prevent odors from forming within the appliance.

## Moving the appliance

If the appliance must be moved, try to keep it in the vertical position. If absolutely necessary, it can be positioned on its back.

## Seals

One of the factors that cause odours to form in the dishwasher is food that remains trapped in the seals. Periodic cleaning with a damp sponge will prevent this from occurring.

# INSTALLATION INSTRUCTION

## ⚠ WARNING



### Electrical Shock Hazard

Disconnect electrical power before installing dishwasher.

Failure to do so could result in death or electrical shock.

## ⚠ Attention

The installation of the pipes and electrical equipments should be done by professionals.

## About Power Connection

## ⚠ WARNING

For personal safety:

- Do not use an extension cord or an adapter plug with this appliance.
- Do not, under any circumstances, cut or remove the earthing connection from the power cord.

### Electrical requirements

Please look at the rating label to know the rating voltage and connect the dishwasher to the appropriate power supply. Use the required fuse 10A/13A/16A, time delay fuse or circuit breaker recommended and provide separate circuit serving only this appliance.

### Electrical connection

Ensure the voltage and frequency of the power being corresponds to those on the rating plate. Only insert the plug into an electrical socket which is earthed properly. If the electrical socket to which the appliance must be connected is not appropriate for the plug, replace the socket, rather than using a adaptors or the like as they could cause overheating and burns.

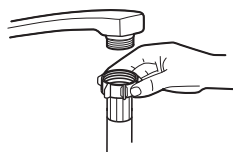
⚠ Ensure that proper earthing exists before use

# Water Supply And Drain

## Cold water connection

Connect the cold water supply hose to a threaded 3/4(inch) connector and make sure that it is fastened tightly in place.

If the water pipes are new or have not been used for an extended period of time, let the water run to make sure that the water is clear. This precaution is needed to avoid the risk of the water inlet to be blocked and damage the appliance.



ordinary supply hose



safety supply hose

## About the safety supply hose

The safety supply hose consists of the double walls. The hose's system guarantees its intervention by blocking the flow of water in case of the supply hose breaking and when the air space between the supply hose itself and the outer corrugated hose is full of water.

### **⚠ WARNING**

A hose that attaches to a sink spray can burst if it is installed on the same water line as the dishwasher. If your sink has one, it is recommended that the hose be disconnected and the hole plugged.

## How to connect the safety supply hose

1. Pull The safety supply hoses completely out from storage compartment located at rear of dishwasher.
2. Tighter the screws of the safety supply hose to the faucet with thread 3/4inch.
3. Turn water fully on before starting the dishwasher.

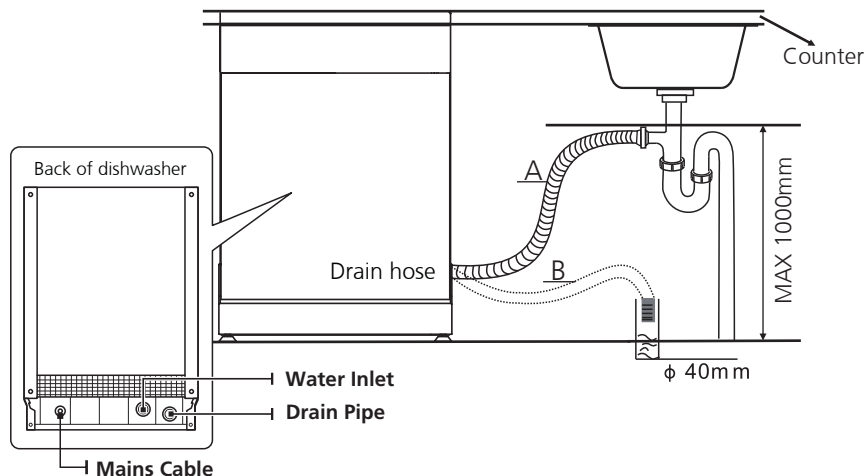
## How to disconnect the safety supply hose

1. Turn off the water.
2. Unscrew the safety supply hose from the faucet.

# Connection Of Drain Hoses

Insert the drain hose into a drain pipe with a minimum diameter of 4 cm, or let it run into the sink, making sure to avoid bending or crimping it. The height of drain pipe must be less than 1000mm. The free end of the hose must not be immersed in water to avoid the back flow of it.

**⚠** Please securely fix the drain hose in either position A or position B



## How to drain excess water from hoses

If the sink is 1000 higher from the floor, the excess water in hoses cannot be drained directly into the sink. It will be necessary to drain excess water from hoses into a bowl or suitable container that is held outside and lower than the sink.

## Water outlet

Connect the water drain hose. The drain hose must be correctly fitted to avoid water leaks. Ensure that the water drain hose is not kinked or squashed.

## Extension hose

If you need a drain hose extension, make sure to use a similar drain hose. It must be no longer than 4 meters; otherwise the cleaning effect of the dishwasher could be reduced.

## Syphon connection

The waste connection must be at a height less than 100 cm (maximum) from the bottom of the dish. The water drain hose should be fixed .

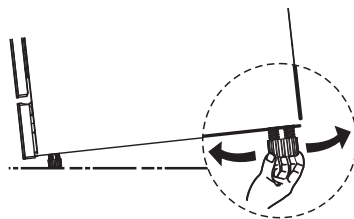
## Position The Appliance

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Position the appliance in the desired location. The back should rest against the wall behind it, and the sides, along the adjacent cabinets or walls. The dishwasher is equipped with water supply and drain hoses that can be positioned either to the right or the left sides to facilitate proper installation.

### Levelling the appliance

Once the appliance is positioned for levelling, the height of the dishwasher may be altered via adjustment of the screwing level of the feet. In any case, the appliance should not be inclined more than 2° .



### NOTE:

Only apply to the free standing dishwasher.

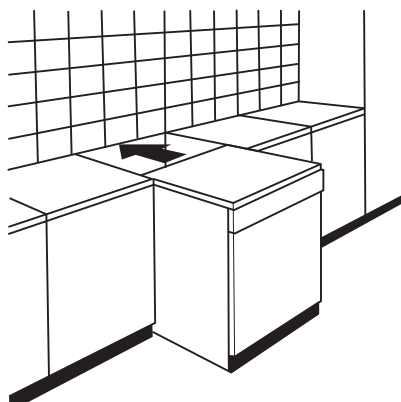
## Free Standing Installation

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### Step 1. Fitting between existing carbinets

The height of the dishwasher, 845 mm, has been designed in order to allow the machine to be fitted between existing cabinets of the same height in modern fitted kitchens. The feet can be adjusted so that correct height is reached.

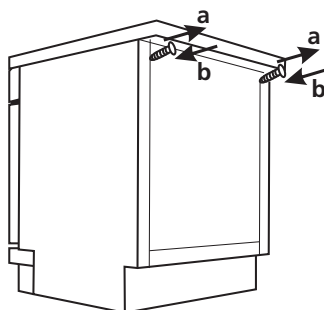
The laminated top of the machine does not require any particular care since it is heatproof, scratchproof and stainproof.



## Step 2. Underneath existing work top

(When fitting beneath a work top)

In most modern fitted kitchens there is only one single work top under which cabinets and electrical appliances are fitted. In this case remove the work top of the dishwasher by unscrewing the screws under the rear edge of the top (a).



### ⚠ Attention

After removing the work top, the screws must be screwed again under the rear edge of the top (b).

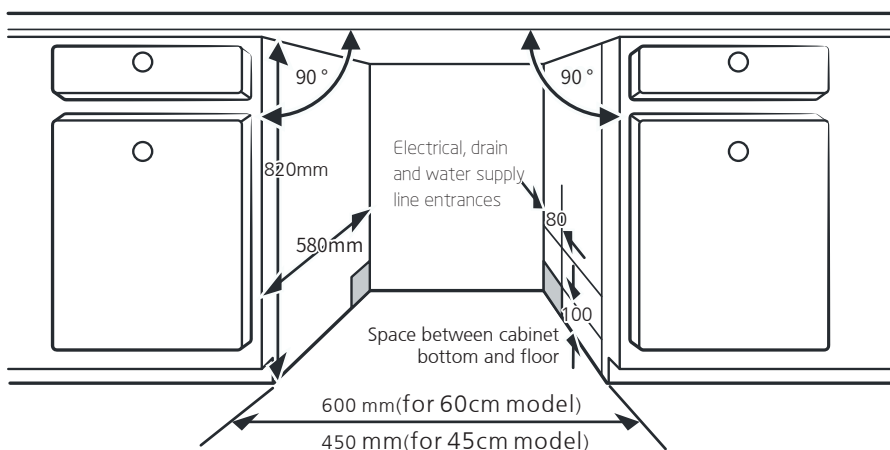
The height will then be reduced to 815 mm, as scheduled by the International Regulations (ISO) and the dishwasher will fit perfectly under the kitchen working top

## Selecting the best location for the dishwasher

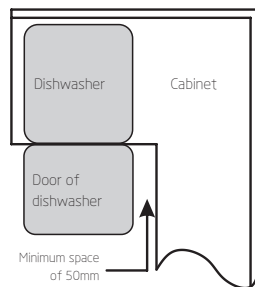
The installation position of dishwasher should be near the existing inlet and drain hoses and power cord.

Illustrations of cabinet dimensions and installation position of the dishwasher.

1. Less than 5 mm between the top of dishwasher and cabinet and the outer door aligned to cabinet.



2. If dishwasher is installed at the corner of the cabinet, there should be some space when the door is opened.



 **NOTE:**

Depending on where your electrical outlet is, you may need to cut a hole in the opposite cabinet side.

# TROUBLESHOOTING TIPS

## Before Calling For Service

Reviewing the charts on the following pages may save you from calling for service.

Problem	Possible Causes	What To Do
Dishwasher doesn't start	Fuse blown, or the circuit break tripped.	Replace fuse or reset circuit breaker. Remove any other appliances sharing the same circuit with the dishwasher.
	Power supply is not turned on.	Make sure the dishwasher is turned on and the door is closed securely. Make sure the power cord is properly plugged into the wall socket.
	Water pressure is low	Check that the water supply is connected properly and the water is turned on.
	Door of dishwasher not properly closed.	Make sure to close the door properly and latch it.
Water not pumped form dishwasher	Twisted or trapped drain hose.	Check the drain hose.
	Filter clogged.	Check coarse the filter.
	Kitchen sink clogged.	Check the kitchen sink to make sure it is draining well. If the problem is the kitchen sink that is not draining , you may need a plumber rather than a serviceman for dishwashers.
Suds in the tub	Wrong detergent.	Use only the special dishwasher detergent to avoid suds. If this occurs, open the dishwasher and let suds evaporate. Add 1 gallon of cold water to the bottom of the dishwasher. Close the dishwasher door, then select any cycle. Initially, the dishwasher will drain out the water. Open the door after draining stage is complete and check if the suds have disappeared. Repeat if necessary.

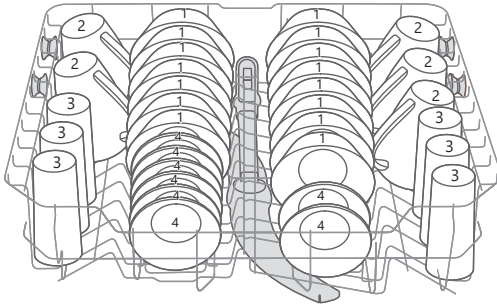
<b>Problem</b>	<b>Possible Causes</b>	<b>What To Do</b>
	Spilled rinse-aid.	Always wipe up rinse-aid spills immediately.
Stained tub interior	Detergent with colourant may have been used.	Make sure that the detergent has no colourant.
White film on inside surface	Hard water minerals.	To clean the interior, use a damp sponge with dishwasher detergent and wear rubber gloves. Never use any other cleaner than dishwasher detergent otherwise, it may cause foaming or suds.
There are rust stains on cutlery	The affected items are not corrosion resistant.	Avoid washing items that are not corrosion resistant in the dishwasher.
	A program was not run after dishwasher salt was added. Traces of salt have gotten into the wash cycle.	Always run a wash program without any crockery after adding salt. Do not select the Turbo function (if present), after adding dishwasher salt.
	The lid of the softer is loose.	Check the softener lid is secure.
Knocking noise in the dishwasher	A spray arm is knocking against an item in a basket	Interrupt the program and rearrange the items which are obstructing the spray arm.
Rattling noise in the dishwasher	Items of crockery are loose in the dishwasher.	Interrupt the program and rearrange the items of crockery.
Knocking noise in the water pipes	This may be caused by on-site installation or the cross-section of the piping.	This has no influence on the dishwasher function. If in doubt, contact a qualified plumber.
The dishes are not clean	The dishes were not loaded correctly.	See PART II "Preparing And Loading Dishes".
	The program was not powerful enough.	Select a more intensive program.

<b>Problem</b>	<b>Possible Causes</b>	<b>What To Do</b>
The dishes are not clean.	Not enough detergent was dispensed.	Use more detergent, or change your detergent.
	Items are blocking the movement of the spray arms.	Rearrange the items so that the spray can rotate freely.
	The filter combination is not clean or is not correctly fitted in the base of wash cabinet. This may cause the spray arm jets to get blocked.	Clean and/or fit the filter correctly. Clean the spray arm jets.
Cloudiness on glassware.	Combination of soft water and too much detergent.	Use less detergent if you have soft water and select a shorter cycle to wash the glassware and to get them clean.
White spots appear on dishes and glasses.	Hard water area can cause limescale deposits.	Add more detergent.
Black or grey marks on dishes	Aluminium utensils have rubbed against dishes	Use a mild abrasive cleaner to eliminate those marks.
Detergent left in dispenser	Dishes block detergent dispenser	Re-loading the dishes properly.
The dishes aren't drying	Improper loading	Load the dishwasher as suggested in the directions.
	Dishes are removed too soon	Do not empty your dishwasher immediately after washing. Open the door slightly so that the steam can come out. Take out the dishes until the inside temperature is safe to touch. Unload the lower basket first to prevent the dropping water from the upper basket.

Problem	Possible Causes	What To Do
The dishes aren't drying	Wrong program has been selected.	With a short program, the washing temperature is lower, decreasing cleaning performance. Choose a program with a long washing time.
	Use of cutlery with a low-quality coating.	Water drainage is more difficult with these items. Cutlery or dishes of this type are not suitable for washing in the dishwasher.

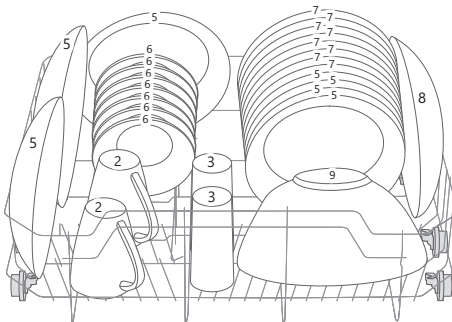
# LOADING THE BASKETS ACCORDING TO EN50242:

## 1.Upper basket:



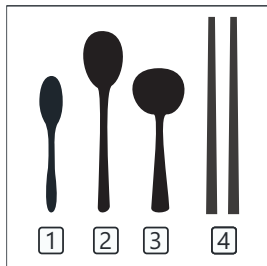
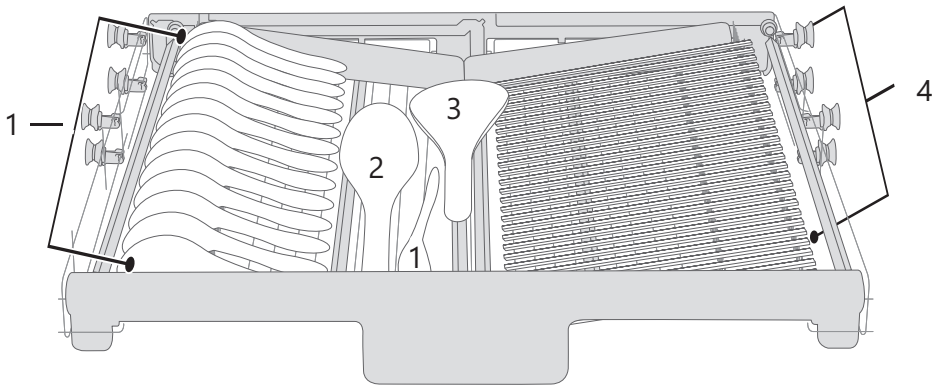
Number	Item
1	Rice bowl
2	Mugs
3	Glasses
4	Relish dish

## 2.Lower basket:



Number	Item
5	Deep dishes
6	Noodles bowls
7	Tray dishes
8	Oval platter
9	Soup bowl

### 3.Cutlery rack:

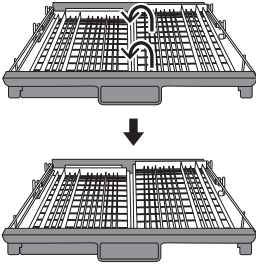


Number	Item
1	Small Soup spoons
2	Soup spoon
3	Rice spoon
4	Chopsticks

Information for comparability tests in accordance with EN 50242  
Capacity: 15 place settings  
Position of the upper basket: lower position  
Program: ECO  
Rinse aid setting: 6  
Softener setting: H3

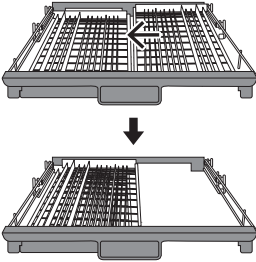
# Cutlery Rack Used Tips

---



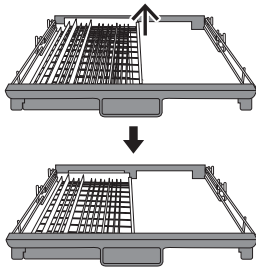
Lift the right basket up, both left and right baskets are flat.

---

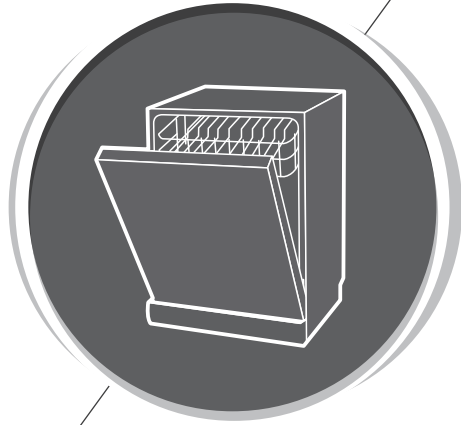


Move the right basket from right to left, two baskets are overlapping.

---



Remove the right basket from the tray, only has the left basket.



# **Dishwasher**

## Instruction Manual

### **PART II: Operation of the Appliance**

# CONTENTS

01	<b>4</b>	<b>USING YOUR DISHWASHER</b>
	<b>4</b>	Control Panel
	<b>7</b>	Water Softener
	<b>8</b>	Preparing And Loading Dishes
	<b>11</b>	Function Of The Rinse Aid And Detergent
	<b>12</b>	Filling The Rinse Aid Reservoir
	<b>13</b>	Filling The Detergent Dispenser
02	<b>14</b>	<b>PROGRAM SELECTION</b>
	<b>14</b>	Wash Cycle Table
	<b>15</b>	Saving Energy
	<b>15</b>	Starting A Program
	<b>16</b>	Changing The Program Mid-cycle
	<b>16</b>	Forget To Add A Dish?
03	<b>17</b>	<b>ERROR CODES</b>
04	<b>18</b>	<b>TECHNICAL INFORMATION</b>

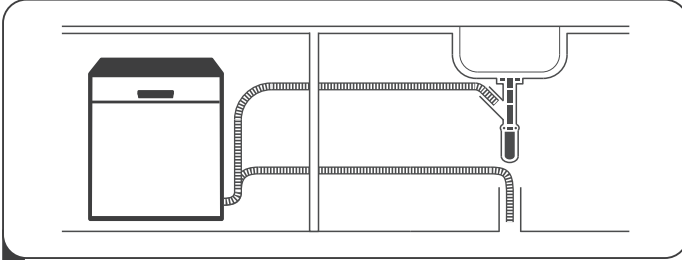


## NOTE:

- 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

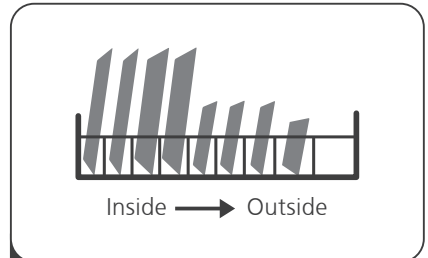
Please read the corresponding content in the instruction manual for detailed operating method.



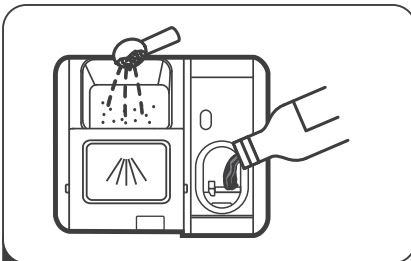
- 1 Install the dishwasher  
**(Please check the section 5 "INSTALLATION INSTRUCTION" of PART I : Installation Guide.)**



- 2 Remove larger residue from dishes.  
Avoid pre-rinsing.



- 3 Load the baskets.



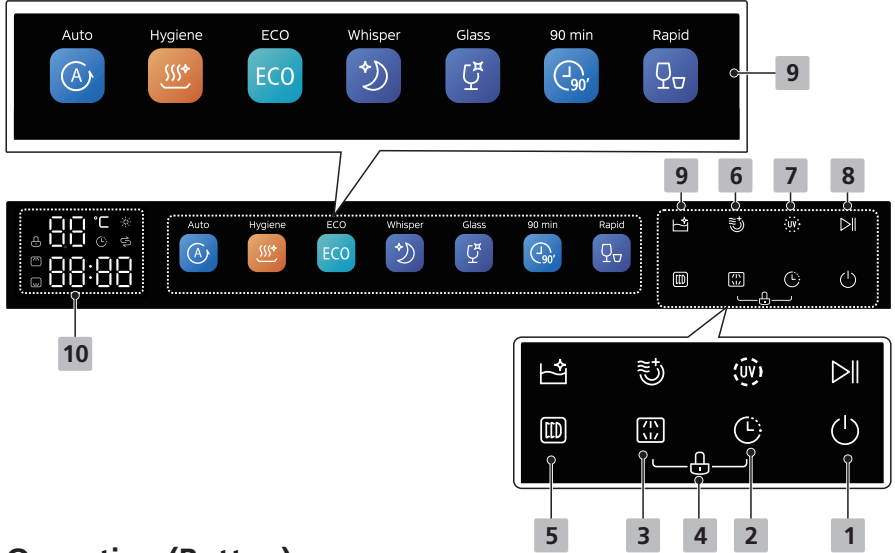
- 4 Fill the dispenser with detergent and rinse aid.








- 5 Select a suitable program and start the dishwasher.




# USING YOUR DISHWASHER

## Control Panel











### Operation (Button)

 <b>1 Power</b>	Press this button to turn on your dishwasher.
 <b>2 Delay</b>	Press the Delay button to increase the delay start time. Delay a cycle for up to 24 hours in one-hour increments.
 <b>3 Alt</b>	Press the button to select either upper basket or lower basket loaded, and the corresponding indicator will light up.
 <b>4 Child lock</b>	This function allows you to lock the buttons on the control panel, so children cannot accidentally start the dishwasher by pressing the buttons on the panel. Only the Power button remains active. To lock or unlock the buttons on the control panel, press and hold the Delay button+ Alt button for 3 seconds simultaneously.
 <b>5 Care</b>	Get rid of the smell, damp and mildew proofing. It cannot be used with Rapid program. In the standby mode, if the Care is selected, long press for 3s to run the Care program directly.

 <b>6 Extra drying</b>	For better drying result. (It can not be used with <b>Auto &amp; Rapid</b> .)
 <b>7 UV</b>	Use to sanitize your dishes and glassware. The light blinks when UV function is operating. It cannot be used with Rapid program.
 <b>8 Start/Pause</b>	To start the selected washing program or pause it when the dishwasher is working.

## Display

<b>9 Program indicator</b>	 <b>Auto</b> For lightly, normally or heavily soiled crockery with or without dried-on food.
	 <b>Hygiene</b> Use to sanitize your dishes and glassware. The highest water temperature is 72 °C.
	 <b>ECO</b> This is standard program, it is suitable to clean normally soiled tableware at rated dishwasher capacity and it is the most efficient program in terms of its combined energy and water consumption for that type of tableware.
	 <b>Whisper</b> Lower noise and normally energy consumption, used for washing in evening.
	 <b>Glass</b> For lightly soiled crockery and glass.
	 <b>90 Min</b> For normally soiled loads that need quick wash.
	 <b>Rapid</b> A shorter wash for lightly soiled loads that do not need drying.
	 <b>Self cleaning</b> This program provides an effective cleaning of the dishwasher itself.

# Display

## 10 Screen



### Rinse Aid

If the " ☀ " indicator is lit, it means the dishwasher is low on dishwasher rinse aid and requires a refill.



### Salt

If the " Ⓢ " indicator is lit, it means the dishwasher is low on dishwasher salt and needs to be refilled.



To show the selected program temperature, remaining time and delay time, error codes etc.



### Upper

When you select Upper, only the upper rack nozzle is activated. The lower nozzle will not operate.



### Lower

When you select Lower, only the lower rack nozzle is activated. The upper nozzle will not operate.

# 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. **Close** the door, switch on the appliance;
2. Within 60 seconds after the appliance was switched on press **Rapid** button for more than 5 seconds to enter the water softener setting mode.
3. Press the **Rapid** button again to select the proper set according to your local environment, the setting will change in the following sequence:  
**H3->H4->H5->H6->H1->H2->H3;**
4. Without operation in 5 seconds or press the Power button to complete the setup and exit the setting mode.

WATER HARDNESS				Water softner level	Regeneration occurs every X program sequence 1)	Salt consumption (gram/cycle)
German °dH	French °fH	British °Clarke	Mmol/l			
0 - 5	0 - 9	0 - 6	0 - 0.94	H1	No regeneration	0
6 - 11	10 - 20	7 - 14	1.0 - 2.0	H2	10	9
12 - 17	21 - 30	15 - 21	2.1 - 3.0	H3	5	12
18 - 22	31 - 40	22 - 28	3.1 - 4.0	H4	3	20
23 - 34	41 - 60	29 - 42	4.1 - 6.0	H5	2	30
35 - 55	61 - 98	43 - 69	6.1 - 9.8	H6	1	60

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

The factory setting: H3

- 1) Every cycle with a regeneration operation consumes additional 2.0 litres of water, the energy consumption increases by 0.02 kWh and the program extends by 4 minutes.



Please check the section 3 “Loading The Salt Into The Softener” of PART I : Installation Guide, 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 discolor 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 the following way:

- Items such as cups, glasses, pots, pans, etc. must face 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 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.

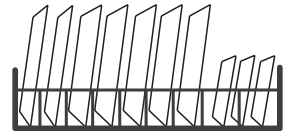
## Loading the upper basket

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 and difficult to clean items 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 basket separate from each other in the appropriate positions. Avoid nesting of the cutlery to prevent insufficient cleaning 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 : Installation Guide**

# 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

The regularity of the dispenser needing to be refilled depends on how often dishes are washed and the rinse aid setting used.

- The Low Rinse Aid indicator (  ) will be lit when more rinse aid is needed.
- Do not overfill the rinse aid dispenser.

## 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

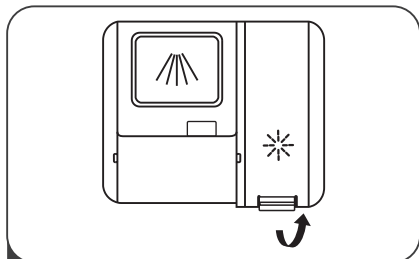
Use only detergent specifically made for dishwashers use. Keep your detergent fresh and dry.

Do not fill detergent into the dispenser until you are ready to start the dishwasher.

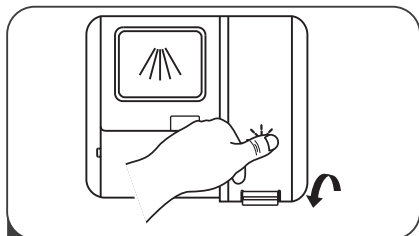


**Dishwasher detergent is corrosive! Keep dishwasher detergent out of the reach of children.**

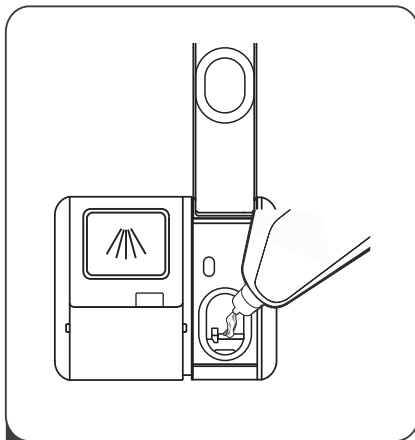
## Filling The Rinse Aid Reservoir



- 1 Remove the rinse reservoir cap by lifting up the handle .



- 3 Close the cap after all.



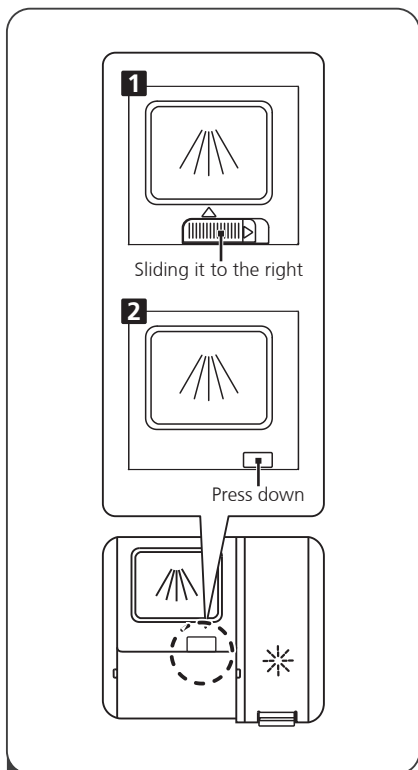
- 2 Pour the rinse aid into the dispenser, being careful not to overfill.

### Adjusting the rinse aid reservoir

To achieve a better drying performance with limited rinse aid, the dishwasher is designed to adjust the consumption by user. Follow the below steps.

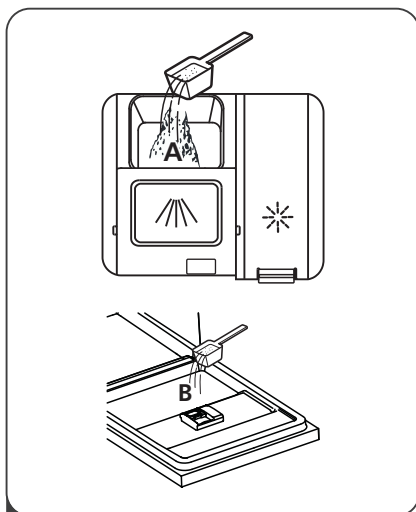
1. **Close** the door, switch on the appliance.
2. Within 60 seconds after the appliance was switched on press the **Rapid** button for more than 5 seconds, and then press the **Delay** button to enter the set model, the rinse aid indication blinks as 1Hz frequency. The factory setting is d3.
3. Press the **Rapid** button again to select the proper set according to your using habits, the setting will change in the following sequence: **d3->d4->d5->d1->d2->d3**. The higher the number, the more rinse aid the dishwasher uses.
4. Without operation in 5 seconds or press the Power button to complete the setup and exit the setting mode.

# Filling The Detergent Dispenser



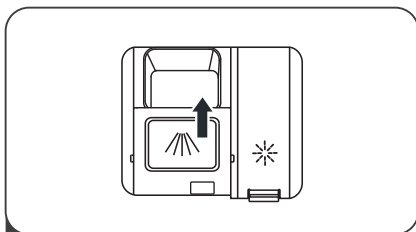
**1** Please choose an open way according to the actual situation.

1. Open the cap by sliding the release catch.
2. Open the cap by pressing down the release latch.



**2** Add detergent into the larger cavity (A) for main wash.

For better cleaning result, especially if you have very dirt items, pour a small amount of detergent onto the door. The additional detergent will activate during the pre-wash phase.



**3** Close the flap by sliding it to the front and then pressing it down.

## NOTE:

Please observe the manufacturer's recommendations on the detergent packaging.


# PROGRAM SELECTION

## 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. Consumption values and program duration are only indicative except for the ECO program.

(●) indicates that the program uses rinse aid in the last rinse.

Program	Description Of Cycle	Detergent Pre/Main Wash	Running Time(min)	Energy (kWh)	Water (L)	Rinse Aid
 <b>Auto</b>	Pre-wash(45°C)					
	Autowash(45-55°C)					
	Rinse(55°C)	5/28.8g	138-193	1.150-1.450	11.0-14.8	●
	Rinse(70°C)	1 or 2 tabs				
	Drying					
 <b>Hygiene</b>	Wash(72°C)					
	Rinse	30g	205	1.650	13.7	●
	Rinse	1 or 2 tabs				
	Rinse(72°C)					
	Drying					
 <b>ECO</b> (*EN50242)	Wash(53°C)					
	Rinse	5/28.8g	200	0.998	9.8	●
	Rinse(55°C)	1 or 2 tabs				
	Drying					
 <b>Whisper</b>	Wash(55°C)					
	Rinse	30g	240	1.180	9.5	●
	Rinse(55°C)	1 or 2 tabs				
	Drying					
 <b>Glass</b>	Pre-wash					
	Wash(50°C)					
	Rinse(50°C)	5/28.8g	140	0.900	13.5	●
	Rinse(53°C)	1 or 2 tabs				
	Drying					
 <b>90 Min</b>	Wash(60°C)					
	Rinse	30g	90	0.890	10.9	●
	Rinse(52°C)	1 or 2 tabs				
	Drying					
 <b>Rapid</b>	Wash(40°C)					
	Rinse(40°C)	20g	30	0.750	11.2	○
	Rinse(55°C)					

Program	Description Of Cycle	Detergent Pre/Main Wash	Running Time(min)	Energy (kWh)	Water (L)	Rinse Aid
 <b>Self cleaning</b>	Pre-wash					
	Wash(60°C)					
	Rinse	30g	170	1.400	15.1	●
	Rinse(70°C)	1 or 2 tabs				
	Drying					

## NOTE:

**ECO** : This program is the test cycle. The information for comparability test in (\*EN50242) accordance with EN50242.

## Saving Energy

1. Pre-rinsing of tableware items leads to increased water and energy consumption and is not recommended.
2. Washing tableware in a household dishwasher usually consumes less energy and water in the use phase than hand dishwashing when the household dishwasher is used according to the instructions.

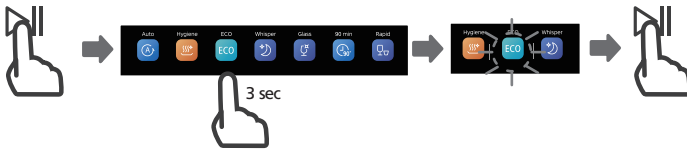
## Starting A program

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 program can only be changed if it has been running only for a short period of time, otherwise the detergent may have already been released or the wash water with detergent has already been drained. 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:

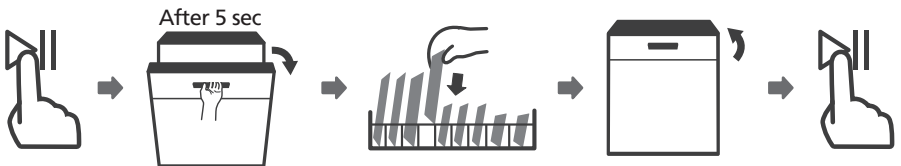
1. Press the Start/Pause to stop the machine, then press any program button for more than 3 seconds, the selected program will be cancelled.
2. After the selected program be cancelled, you can press the desired program.
3. Press the Start/Pause button, the dishwasher will start after a few seconds.



## Forget To Add A Dish?

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, the dishwasher will start.



### ⚠ WARNING



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

# ERROR CODES

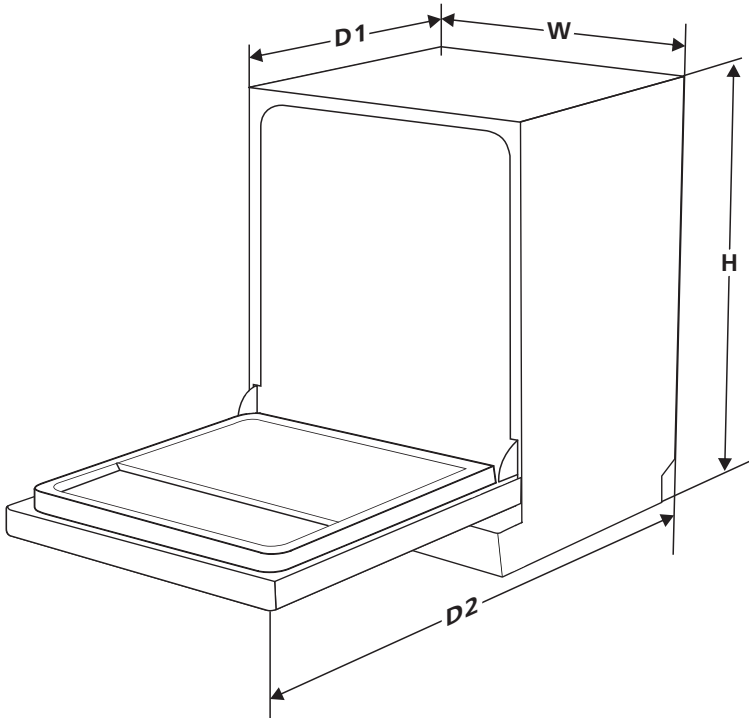
If there is a malfunction, the dishwasher will display error codes to identify these:

Codes	Meanings	Possible Causes
E1	Longer inlet time.	Faucets is not opened, or water intake is restricted, or water pressure is too low.
E3	Not reaching required temperature.	Malfunction of heating element.
E4	Overflow.	Some element of dishwasher leaks.
E8	Failure of orientation of distributary valve.	Open circuit or break of distributary valve.
Ec	Washing control system fail.	PCB or motor fail.
Ed	Failure of communication between main PCB with display PCB.	Open circuit or break wiring for the communication.

## **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.
- If there is an error code that cannot be solved, please request professional assistance.

# TECHNICAL INFORMATION



<b>Height (H)</b>	845mm
<b>Width (W)</b>	598mm
<b>Depth (D1)</b>	600mm (with the door closed)
<b>Depth (D2)</b>	1175mm (with the door opened 90°)

## Product fiche (EN50242)

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

Manufacturer	ELBA
Type / Description	EBDW 1581M SS
Standard place settings	15
Energy efficiency class <b>1</b>	A++
Annual energy consumption <b>2</b>	283 kWh
Energy consumption of the standard cleaning cycle	0,998 kWh
Power consumption of off-mode	0,45 W
Power consumption of left-on mode	0,49W
Annual water consumption <b>3</b>	2744 liter
Drying efficiency class <b>4</b>	A
Standard cleaning cycle <b>5</b>	ECO 53°C
Program duration of the standard cleaning cycle	200 min
Noise level	47 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.

# **WARRANTY & SERVICE**

Please get ready the model number of your appliance, date of purchase and the product issues when contacting customer service center. For appliance under warranty, proof of purchase is required.

- To activate your warranty, please register your appliance.
- Warranty registration can be done via our website or scan the QR code below
- Warranty only covers appliance for domestic/household usage.

## **Website**

<https://shop.casa.sg/E-Warranty>

## **QR Code**

Scan the QR Code below. It will redirect straight to our “Warranty Registration” page.



- Casa (S) Pte Ltd provides 5 years retention period of performance parts for repairing the appliance after the end of the lifespan of the appliance.
- The performance parts refer to parts that are required to maintain the functionality of the appliance.

***Casa (S) Pte Ltd. reserves the rights to the final interpretation of the content of this manual. Customer will not be notified in the event of any amendments to the content.***

***The manufacturer and agent decline all responsibilities in the event of damage caused by improper, incorrect or illogical use of the appliance.***

***Contact after sales service center when in doubt of the condition of the appliance.***

**For customer care / after sales service [Singapore], please contact**

**Casa (S) Pte Ltd**

15, Kian Teck Crescent, Singapore 628884

**Whatsapp: +65 9747 8743**

**General Line: +65 6268 0066**

**Email: [service@casa.com.sg](mailto:service@casa.com.sg)**