SHARP

Home Appliances

Dishwashing

EN User Manual



Fullsize Dishwasher

QW-GX13F472B-DE

For Life

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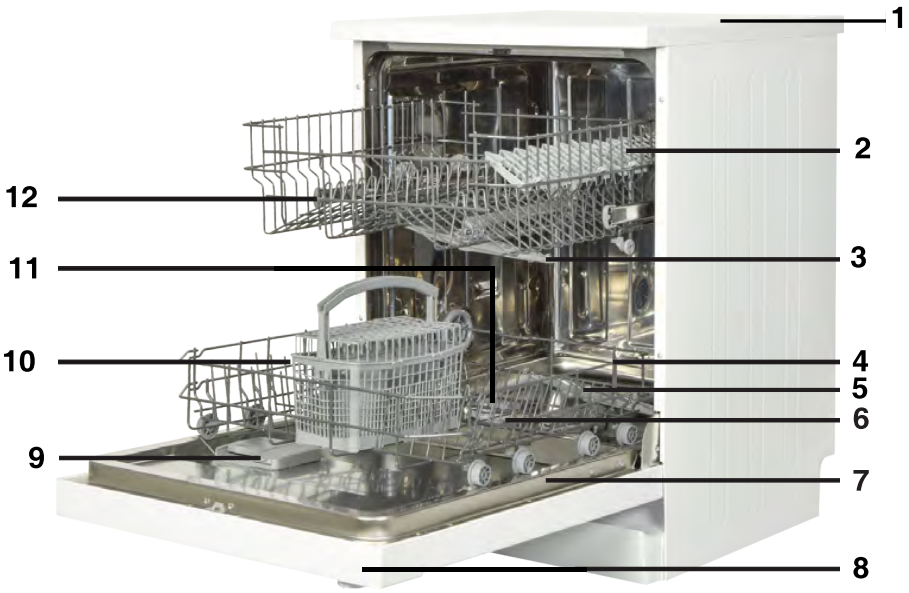
Dear Customer,Our goal is to offer you, high quality products that exceed your expectations. Your appliance is produced in modern facilities and is carefully, particularly tested for quality.

This manual is prepared in order to help you use your appliance, which has been manufactured using the most recent technology with confidence and maximum efficien.

Before using your appliance, carefully read this guide which includes basic information to safe installation, maintenance and use. Please contact your nearest Authorized Service centre for the installation of your product.

The operating instructions apply to several models. Differences may therefore occur.

CHAPTER -1: EXPLANATION OF PRODUCT



1. Worktop
2. Upper basket with racks
3. Upper spray arm
4. Lower basket
5. Lower spray arm
6. Filters
7. Rating plate
8. Control Panel
9. Detergent and rinse-aid dispenser
10. Cutlery basket
11. Salt dispenser
12. Upper basket track latch



13. Active Drying Unit:
This system provides better drying performance for your dishes.

CHAPTER -1: TECHNICAL SPECIFICATIONS

Technical specifications

Capacity	13 place settings
Height	850 mm
Height (without worktop)	820 mm
Width	598 mm
Depth	598 mm
Net Weight	46 kg
Electricity input	220-240 V, 50 Hz
Total Power	1900 W
Heating Power	1800 W
Pump Power	100 W
Drain Pump Power	30 W
Water supply pressure	0.03 MPa (0,3 bar)-1 MPa (10 bar)
Current	10 A

Conformity with the standards and Test data / EU Declaration of Conformity

This product meets the requirements of all applicable EU directives with the corresponding harmonised standards, which provide for CE marking.

Please visit **www.sharphomeappliances.com** for an electronic copy of this user manual.

SAFETY INFORMATION AND RECOMMENDATIONS

Recycling

• The recyclable materials are used in certain components and packaging.
• Plastic parts are marked with international abbreviations: (>PE< , >PS< , >POM<, >PP<,)
• Cardboard parts have been produced from recycled paper which should be disposed of into waste paper collection containers for recycling.
• Such materials are not suitable for garbage bins. They should be delivered to recycling centres instead.
• Contact relevant centres in order to obtain information on methods and points of disposal.

Safety Information

When you take delivery of your machine

• If you see any damage on your machine's packaging, please contact the authorised service.
• Unwrap the packaging materials as indicated and dispose of them in accordance with the rules in force.

Points to pay attention during machine installation

• Choose a suitable, safe and level place to install your machine.
• Carry out the installation and connection of your machine by following the instructions.
• This machine should only be installed and repaired by an authorised service technian.
• Only original spare parts should be used with the machine.
• Before installing, be sure that the machine is unplugged.
• Check whether the indoor electrical fuse system is connected according to the regulations.
• All electrical connections must match the values on the rating plate.
• Be sure that the machine does not stand on the electricity supply cable.
• Never use an extension cord or a multiple socket for making a connection. The plug should be comfortably accessible after installation.
• After installation, run it unloaded for the first time.

In daily use

• This machine is for household use; do not use it for any other purpose. Commercial usage of the dishwasher will void the warranty.
• Do not get up, sit or place a load when the door is open, it may fall over.
• Never use a detergent and rinse agent which is not produced specifically for dishwashers.Our company will not be liable for this.
• The water in the machine's washing section is not drinking water. Do not drink it.
• Due to danger of explosion, do not put any chemical dissolving agents such as solvents into the machine's washing section.

• Check whether plastic items are heat-resistant before washing.
•This appliance can be used by children aged 8 years and over 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 should not be carried out by children without supervision.
• Do not put unsuitable and heavy items above the basket's capacity into your machine. Our company will not be liable for any damage on the internal parts.
• The door must not open while the machine is operating. In any case, the safety device ensures that the machine stops if the door is opened.
• Do not leave the door open, to avoid accidents.
• Place knives and other sharp-ended objects in the cutlery basket in blade-down position.
• If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or competent technican in order to prevent a hazard.
• If the Energy Save option is selected as "Yes", The door will be opened at the end of the programme. Do not force the door shut to avoid harm to the auto door mechanism for 1 minute. The door must be open for 30 minutes for effective drying.(in models with an auto door opening system)
Warning: Do not stand in front of the door after the signal for the auto-open sounds.

For your children's safety

• After removing the machine's packaging, make sure that the packaging material is out of reach of children.
• Do not allow children to play with or start the machine.
• Keep children away from detergents and rinse agents.
• Keep children away from the machine while it is open as there may still be cleaning substance residues inside the machine.
• Be sure that your old machine does not pose any threat to your children. Children are known to have gotten themselves locked in old machines. To forestall such a situation, break your machine's door lock and tear off the electrical cables.

In case of malfunctioning

• Any repairs performed by anyone other than authorized service staff will result out of scope warranty to your machine.
• Prior to any repair work on the machine, be sure that the machine is cut off from the power supply. Switch off the fuse or unplug the machine. Do not pull by the cable when unplugging. Make sure to turn off the water tap.

Recommendations

• For energy and water saving, remove coarse residues on your dishes before placing the dishes into the machine. Start your machine after having fully loaded it.

• Use the pre-wash programme only whenever necessary.

• Place such hollow items as bowls, glasses and pots into the machine in such a way so they face down.

• You are recommended not to load into your machine any dishes different or more than indicated.

Items not suitable for dish washing:

• Cigarette ashes, candle wax, polish, paint, chemical substances, iron-alloy materials;

• Forks, spoons and knives with wooden,bone, ivory or nacre-coated handles; glued items,items soiled with abrasive, acidic or base chemicals.

• Plastic items that are not heat-resistant, copper or tin-coated containers.

• Aluminium and silver objects (they may discolour, become dull).

• Certain delicate glass types, porcelains with ornamental printed patterns as they fade even after the first wash; certain crystal items as they lose their transparency over time, adhered cutlery that is not heat-resistant, lead crystal glasses, cutting boards, items manufactured with synthetic fibres;

• Absorbent items such as sponges or kitchen rags are not suitable for dishwashing.

Warning: Make sure to purchase dishwasher-safe sets in your future purchases.

INSTALLING THE MACHINE

Positioning the machine

When determining the installation place, ensure an accessible place for easy loading and unloading of dishes.

Do not put your machine in any location where there is a probability of the room temperature falling below 0°C.

Before positioning, take the machine out of its packaging by following the warnings located on the packaging.

Position the machine close to a water tap or drain. You need to site your machine, taking into consideration that its connections cannot be altered once they are made.

Do not grip the machine by its door or panel in order to move it.

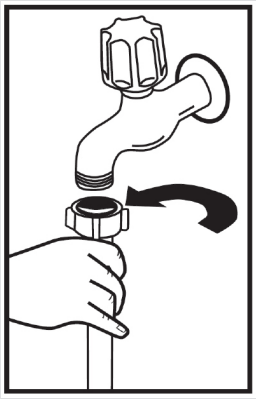
Take care to leave sufficient clearance from all sides of the machine to comfortably move it back and forth during cleaning. Make sure that the water inlet and outlet hoses do not get squeezed while positioning the machine. Also, make sure that the machine does not stand on the electrical cable.

Adjust the machine's adjustable feet so that it can stand level and balanced. The proper positioning of the machine ensures problem-free opening and closing of the door.

If the door of the machine does not close properly, check if the machine is stable on the floor on which it stands; if not, adjust the feet and ensure its stable position.

Water connection

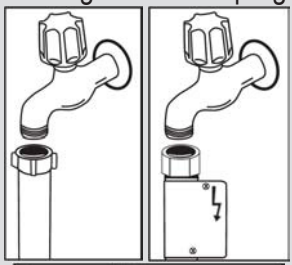
İndoor plumbing must be suitable for installing a dishwasher. We also recommend that you fit a filter at the entrance of your house or apartment so as to avoid any damage to your machine as a result of any contamination (sand, clay, rust etc.) that might be occasionally carried in through the main water supply or the indoor plumbing, and to forestall such complaints as yellowing and the formation of deposits after washing.



Water inlet hose

Do not use the water inlet hose of your old machine. Use the new hose supplied with your machine. If you connect a new or long - unused water inlet hose to your machine, run water through it for a while before making the connection. Connect the water inlet hose directly to the water inlet tap. The pressure supplied by the tap should be at a minimum of 0.03 Mpa and and at a maximum of 1 Mpa. If the water pressure is above 1 Mpa, a pressure-relief valve should be fitted in between.

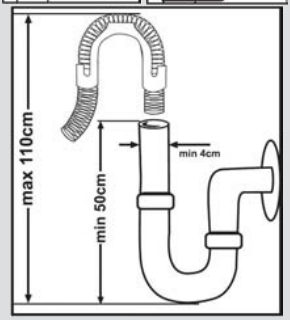
After making connections, the tap should be turned on fully and checked for water tightness. For the safety of machine, turn off the water inlet tap after finishing each wash programme.



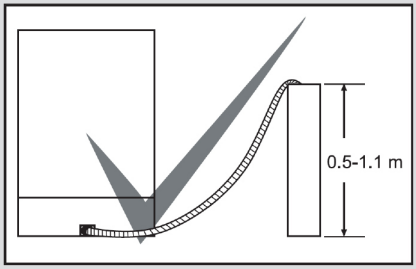
NOTE: An aquastop water spout is used in some models. In the event of using Aquastop, a dangerous tension exists. Do not cut Aquastop water spout. Do not let it get folded or twisted.

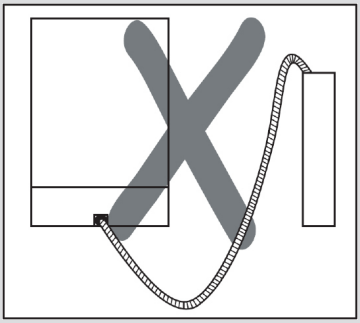
Water outlet hose

The water drain hose can be connected either directly to the water drain hole or to the sink outlet spigot. Using a special bent pipe (if available), the water can be drained directly into the sink via hooking the bent pipe over the edge of the sink. This connection should be between 50 and 110 cm from the floor plane.



Warning: When a drain hose longer than 4 m is used, the dishes may remain dirty. In such a case, our company will not accept liability.





Electrical connection

The grounded plug of your machine should be connected to an grounded outlet supplied by a suitable voltage and current. If there is no grounding installation, have a competent electrician carry one out. In the event of usage without installed grounding, our company will not be liable for any loss of usage that may occur.

The indoor fuse current value should be 10-16 A.

Your machine is set to 220-240 V. If the power supplyvoltage in your location is 110 V, connect a transformer of 110/220 V and 3000 W in between. The machine should not be plugged in during positioning.

Always use the coated plug supplied with your machine.

Operation in low voltage will cause a decline in washing quality.

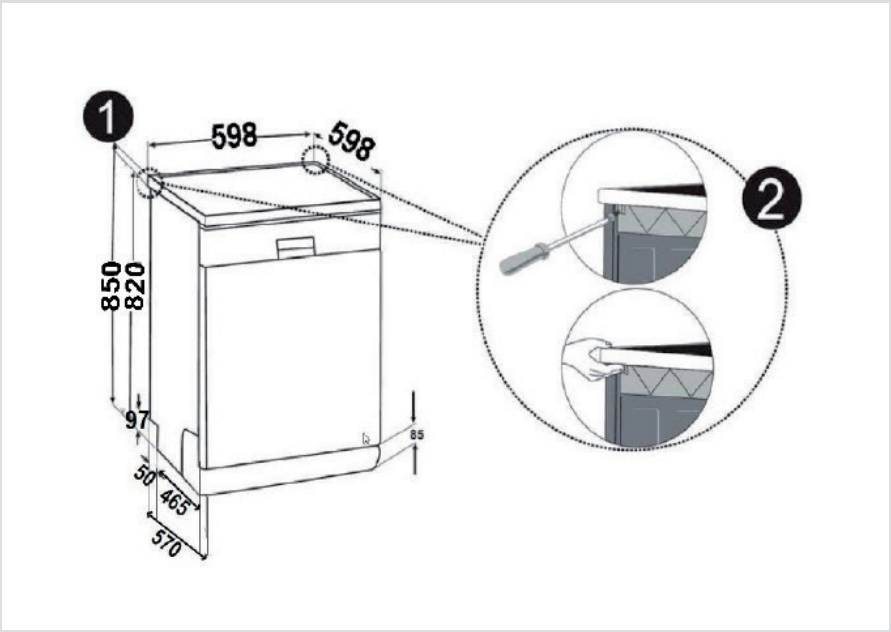
The machine's electrical cable should be replaced by an authorised service or an authorised electrician only. Failure to do so may lead to accidents.

For safety purposes, always make sure to disconnect the plug when a wash programme is finished.

In order to avoid an electric shock, do not unplug when your hands are wet. When disconnecting your machine from the main supply, always remove by the plug. Never pull on the cord itself.

Fitting the machine under the counter

If you wish to fit your machine under the counter, check whether you have sufficient space under your counter top and whether the wiring-plumbing is suitable to do so.**1** If you decide that the space under the counter top is suitable for fitting your machine, remove the worktop as shown in the illustration. **2**

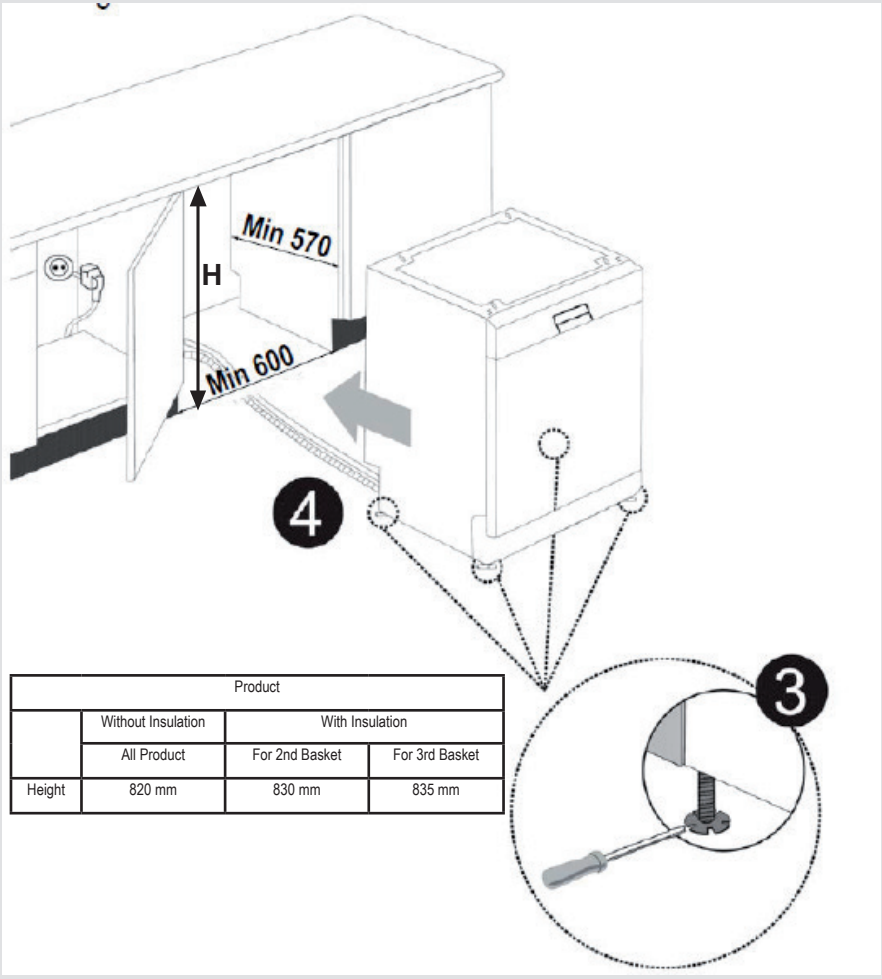


Warning: The stand part which we will settle our machine under it by removing its worktop has to be stable in such a way not to allow for a balance disorder.

To remove the worktop, remove the screws that hold the worktop which are located at the rear of the machine; then push the front panel 1 cm from the front side towards the rear and lift it.

CHAPTER -3: INSTALLING THE MACHINE

Adjust the machine feet according to the slope of the floor.**3** Fit your machine by pushing it undercounter without letting the hoses get crushed or bent.**4**



	Product		
	Without Insulation	With Insulation	
	All Product	For 2nd Basket	For 3rd Basket
Height	820 mm	830 mm	835 mm

Warning: After removal of worktop, the machine should be placed in cavity of which dimensions are shown at fig.

CHAPTER -4: PREPARING THE MACHINE FOR USE

Prior to using the machine for the first time

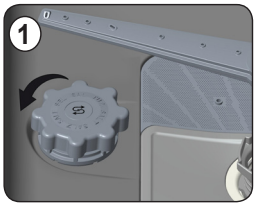
• Check whether the electricity and supply water specifications match the values indicated by the installation instructions for the machine.
• Remove all packaging materials inside the machine.
• Set the water softener.
• Add 1 kg salt into the salt compartment and fill with water up to a level at which it will almost overflow.
• Fill the rinse aid compartment.

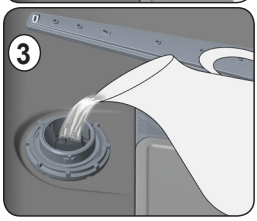
PREPARING THE MACHINE FOR USE

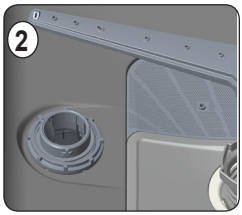
The importance of water decalcification

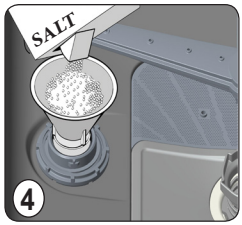
For a good washing function, the dishwasher needs soft, i.e. less calcareous water. Otherwise, white lime residues will remain on the dishes and the interior equipment. This will negatively affect your machine's washing, drying and shining performance. For this reason, a softener system used on dishwashers. The softener system has to be refreshed so that it operates with the same performance also during the next wash. For this purpose, dishwasher salt is used.

Filling with salt (IF AVAILABLE)





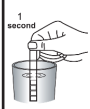
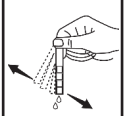
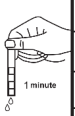
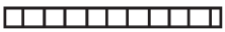




Use softener salt specifically produced for use in dishwashers. To add softener salt, first remove the lower basket and then open the salt compartment cap by turning it counter clockwise. **(1) (2)** At first use fill the compartment with 1kg salt and water **(3)** at overflowing level If available. Using a funnel **(4)** will make filling easier. Refit the cap and close it. After every 20th-30th wash, add salt into your machine until it fills up (approx. 1 kg) Fill the salt compartment with water at first use only. We recommend to use smallgrained or powder softener salt. Do not put table salt into your machine. Otherwise, the function of the softener compartment may decrease over time. When you start machine, the salt compartment gets filled with water. There fore, put the softener salt prior to starting your machine. This way, overflowing salt gets immediately cleaned up through the wash operation. If you will not wash any dishes immediately after putting salt, then run a short washing program with an empty machine in order to avoid corrosion on your machine due to the salt overflow while filling in the salt container. In order to understand whether or not the amount of softener salt in machine is sufficient, check the transparent section on the salt compartment cap. There is sufficient salt if the transparent section is green. Salt has to be added if it is not green.

Testing strip

The washing effectiveness of your machine depends on the softness of the tap water. For this reason, your machine is equipped with a system that reduces the hardness in mains water supply. The washing effectiveness will increase when the system is correctly set. To find out the water hardness level of water in your area, contact your local water board or determine water hardness level by using the test strip(if available).

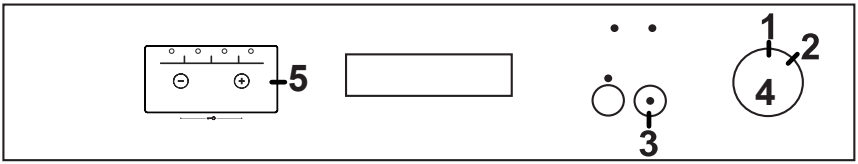
Open the testing strip	Run water through your tap for 1 min.	Keep the testing strip in water for 1.sec.	Shake the testing strip after taking it out of water	Water for 1 min.	Make your machine's water hardness setting according to the result obtained through the testing strip.		
					Level 1		No Lime
					Level 2		Very low lime content
					Level 3		Low lime content
					Level 4		Medium lime content
					Level 5		Lime content
					Level 6		High lime content

CHAPTER -4: PREPARING THE MACHINE FOR USE

Adjusting salt consumption

Water hardness level	German hardness level dH	French hardness level dF	British hardness level dE	Hardness Level Indicator
1	0-5	0-9	0-6	L1 is seen on display.
2	6-11	10-20	7-14	L2 is seen on display.
3	12-17	21-30	15-21	L3 is seen on display.
4	18-22	31-40	22-28	L4 is seen on display.
5	23-31	41-55	29-39	L5 is seen on display.
6	32-50	56-90	40-63	L6 is seen on display.

In accordance with the degree defined on the test track, perform the water hardness setting of your machine as indicated below.



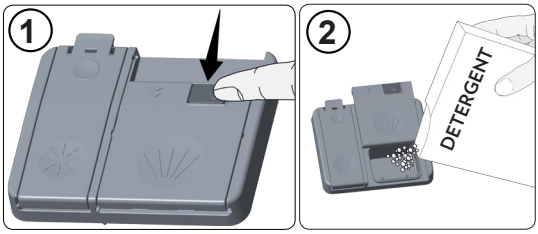
Power of the machine by switching the On/Off **(4)** button of the machine to off position **(1)**.
Press and hold Start/Pause **(3)** key.
Set the On/Off button **(4)** to number 2 position by rotating it clockwise (rightward) 1 step.
Press and hold the Start/Pause key until all the lights start to blink. **(3)**
Press and hold the Start/Pause key until “SL” goes off on the display. **(5)**
After “SL” goes off, release the Start/Pause key **(3)**.
The machine will display the most recent water hardness setting (see Setting table for water hardness degree)
You can adjust the water hardness setting by pressing “+” and “-” keys on the display **(5)**.
After selecting the water hardness degree, power of the machine by switching the On/Off button **(4)** to off position **(1)**. The last selected water hardness setting will be stored in the memory.
Warning: In case of moving, it is important to configure the water hardness setting according to the water hardness of the area you have moved is important for the effectiveness of washing.

Detergent usage

Use a detergent specifically designed for use in domestic dishwashers. You can find powder,gel,and tablet detergents that have been designed for household dishwashers. Detergent should be put into the compartment prior to starting the machine. Keep your detergents in cool, dry places out of reach of your children. Do not overfill the detergent compartment; otherwise it may cause scratches on your glasses as well as lead to a poorly dissolved detergent. Should you need more information concerning the detergent you will use, contact the detergent manufacturers directly.

Filling the detergent compartment

Push the latch to open the detergent container as shown in the image. **1** Detergent pod has level lines inside. Detergent pod can take a total of 40 cm3 detergent. Open the dishwasher detergent and pour into the larger compartment **b** 25 cm3 if dishes are heavily soiled or less 15 cm3.**2** If dishes have been kept dirty for a very long time , dried food wastes on them or overly loaded the dishwasher, pour **a** 5cm3 detergent into the prewash compartment and start machine. You may have to add more detergent into your machine, depending on the degree of soil and on the water hardness level in your area.



Combined detergents
Combined detergents may include various properties in it. Before using the detergent, the instruction of detergent can be observed well. Generally combined detergents produce sufficent results under certain conditions only.
Points to consider when using this type of products:
• Check the specifications of the product whether it is combined or not.
• Check if the detergent used is appropriate for the hardness of mains water.
• Observe the instructions of products on packagings.
• Always put the tablets into the detergent compartment in the detergent dispenser.
• You need to contact the manufacturers and find out about the suitable conditions of use.
• If you use appropriate products, they ensure savings in salt and/or rinse aid consumption.
• The scope of warranty for your machine does not cover any complaints caused by the use of these types of detergents.
Recommended usage: If you want to obtain better results while using combined detergents, add salt and rinse aid into your machine and adjust the water hardness setting and the rinse aid setting to the lowest position.



Solubility of the tablet detergents produced by different companies can vary depending on the temperature and time. Therefore, it is not recommended to use such detergents in short programs. It is more suitable to use powder detergents in such programs.

Warning: Should any problem, which you have not encountered before, arise with the use of this type of detergents, contact the detergent manufacturers directly.
When you give up using combined detergents
• Fill the salt and rinse aid compartments.
• Adjust the water hardness setting to the highest position and run an empty-wash.
• Adjust the water hardness level.
• Make the suitable rinse aid setting.
Filling with rinse aid and making the setting

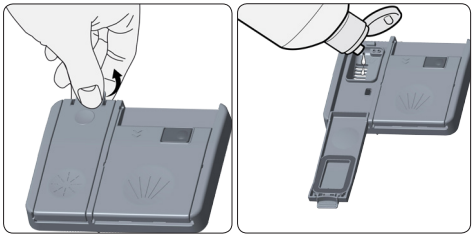
To fill the rinse aid compartment, open the rinse-aid compartment cap. Fill the compartment with rinse aid to the MAX level and then close the cap. Be careful not to overfill the rinse aid compartment and wipe up any spills.

In order to change the rinse aid level, follow the below steps before turning on the machine:

- Turn the knob to the “off” position.
- Push the “Start/Pause” button and hold it down.
- Turn the knob counter clockwise one step.
- Hold down the “Start/Pause” button until the LEDs flash and “rA” disappears.
- The machine will display the current setting.
- Set the level by pushing the “+” and “-” buttons.
- Turn the knob to the “off” position to save the setting.

The factory setting is “4”.

If the dishes are not drying properly or are spotted, increase the level. If blue stains form on your dishes, decrease the level.



Level	Brightener Dose	Indicator
1	Rinse-aid not dispensed	r1 is shown on the display.
2	1 dose is dispensed	r2 is shown on the display.
3	2 doses are dispensed	r3 is shown on the display.
4	3 doses are dispensed	r4 is shown on the display.
5	4 doses are dispensed	r5 is shown on the display.

CHAPTER-4: LOADING YOUR DISHWASHER

LOADING YOUR DISHWASHER

Place dishes properly into the machine.

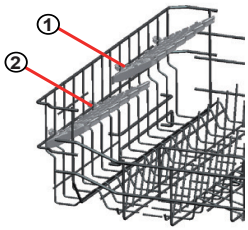
There are two seperate baskets to load dishes into your machine.The lower basket is for round and deep items. The upper basket is for thin and narrow items. You are recommended to use the cutlery grid in order to obtain the best result.

To avoid any possible injuries, long-handle and sharp-pointed dishes with their sharp points facing down or horizontally on the baskets.

Warning: Place your dishes into your machine in a way that they will not prevent the upper and lower spray arms from spinning.

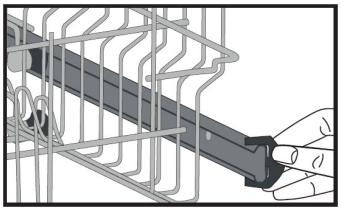
Dish rack

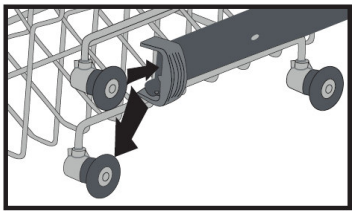
You can place different sizes of glasses under these racks thanks to the adjustable height feature. You can use racks in 2 different heights.



Top basket height adjustment

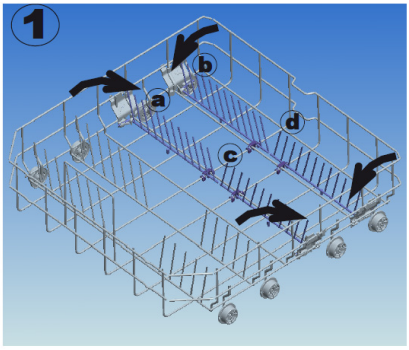
The top basket of machine is in the upper position. Whwn you take the top basket to the lower position, you can place and wash big sized plates on the top basket. Open the basket retaining parts at the end of top basket rails by turning them to the sides, and take the basket out. Change the position of the wheels; reinstall the basket to the rail, and close basket retainer parts. In this way, you take the top basket to the lower position.

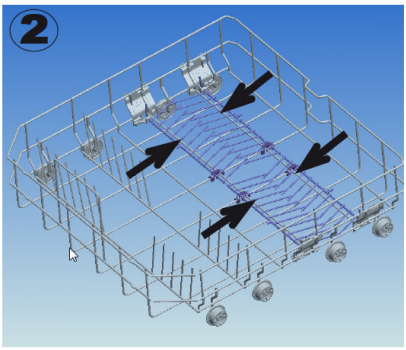




Lower Basket
Folding Racks

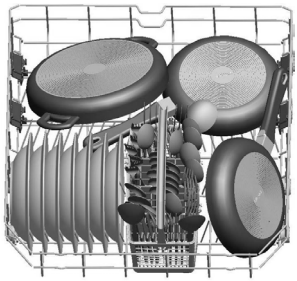
Folding racks consisting of four parts in order to let you place big items easier such as pots, pans, etc. If requested, each part can be folded separately in order to obtain larger space.

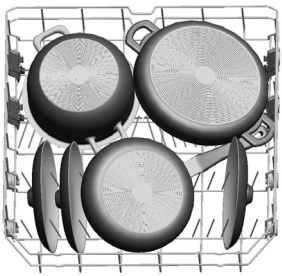




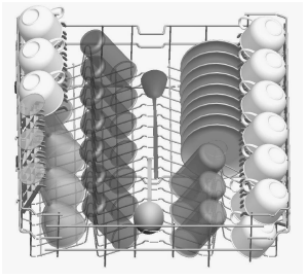
CHAPTER-5: LOADING YOUR DISHWASHER

Alternative basket loads
Lower Basket

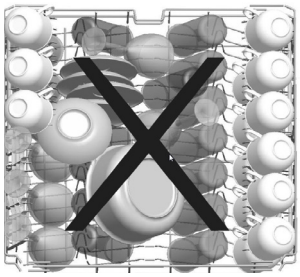


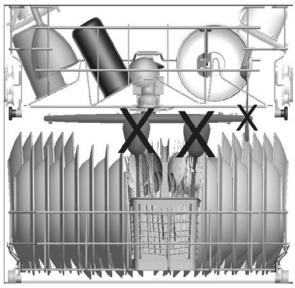


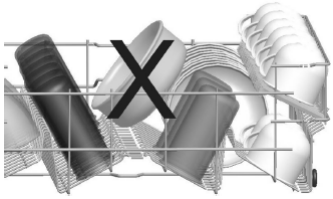
Top basket

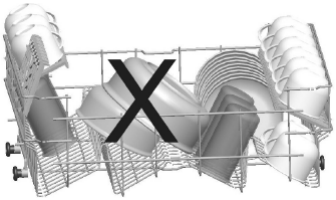


Incorrect Loads









Important Note for Test Laboratories
For detailed information on performance tests, please contact following address:
“dishwasher@standardtest.info” . In your email, please provide the model name and serial number (20 digits) which you can find on the appliance door.

CHAPTER -6: PROGRAMME DESCRIPTIONS

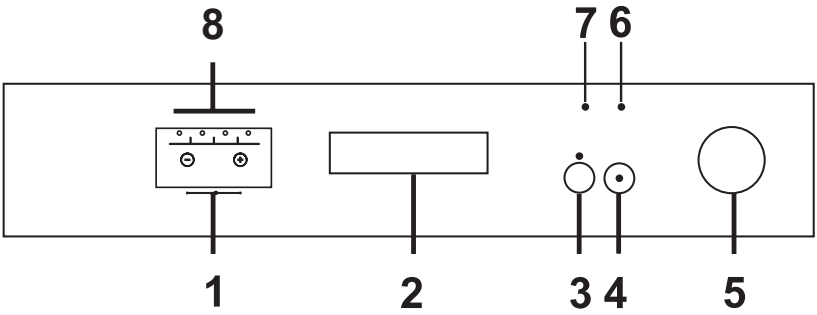
PROGRAMME DESCRIPTIONS
Programme items

Programme No		Reference		
Programme names and temperatures	Quick 30 min. 40°C	Eco	Express 50' min. 65° C	Intensive 65° C
Type of food waste	coffee, milk, tea, cold meats, vegetables, not kept for long	coffee, milk, tea, cold meats, vegetables, not kept for long	soups, sauces, pasta, eggs, pilaf, potato and oven dishes, fried foods	soups, sauces, pasta, eggs, pilaf, potato and oven dishes, fried foods
Level of soil	small	medium	medium	high
Detergent amount B: 25 cm3 / 15 cm3 A: 5 cm3	B	A+B	A+B	A+B
	40°C Wash	Prewash	65°C wash	45°C wash
	Cold Rinse	50°C wash	Intermediate rinse	65°C wash
	Hot rinse	Hot rinse	Hot rinse	Cold rinse
	End	Dry	End	Hot rinse
		End		Dry
				End
Programme duration (min.)	30	165	50	117
Electricity consumption (kW hours)	0.90	0,91	1,35	1,61
Water consumption (litres)	12,4	12,0	12,7	17,2
If the half load button is used, the values will be as follows;				
Programme duration (min.)	30	150	47	100
Electricity consumption (kW hours)	0,90	0,87	1,22	1,40
Water consumption (litres)	12,4	12,0	12,7	12,2

Warning: Short programs do not include a drying step. The values declared above are the values obtained under laboratory conditions according to relevant standards. These values can change depending on conditons of product's use and environment (network tension, water pressure, water input temperature and environment temperature).

CHAPTER -6: SWITCHING ON THE MACHINE AND SELECTING A PROGRAMME

Programme Selection and Operating the Machine



1. Remaining Time Indicator
Remaining Time Indicator shows the duration of the programmes and the remaining time during the programme flow. Besides, you can put off the programme delay time for 1-19 hours by pressing the keys on the indicator before the programme is started. If you want to make any changes in the delay time, you can adjust it by pressing the Start/Pause key and using "+" and "-" keys on the display. Press the Start/Pause key again to activate it. If the user switches the programme selection button to off position after enabling the delay time and the programme has started, the remaining delay time is stored and the programme resumes after the remaining delay time has passed upon selecting a new programme. To cancel the delay, you need to switch to 0 h by using the ‘’+ and -’’ keys.

2. Door Handle
Use the door handle to open/close the door of your machine.

3. Half Load Button
Thanks to the half load function in your machine, you can shorten the durations of the programmes that you have selected and reduce the energy and water consumption by using half load electricity and water (see programme listing p 24)

Note: If you have used any extra function (such as the delay or half load) in the washing programme that you last used and then cut off the energy of the machine and re-energised it, that function you have selected will not be active in the next washing programme. If you would like to use this feature in the programme you have newly selected, you may select the desired functions once again.

4. Start/Pause Key
When you press the Start/Pause key, the programme you have selected with the programme selection button will start operating and the washing light will be on. After the programme has started, the Start/Pause light will go off. In the Stop (Hold) position, the Start/Pause light blinks while the washing light is lit.

5. On/Off Programme Selection Button
It cuts off the energy of the machine when in off position In other positions, the machine is energised and programme selection can be performed. 6 Salt Missing Warning Indicator
Check the salt missing warning indicator light on the display to have an idea whether the softening salt in your machine is enough. When salt missing warning indicator is lit, fill the salt compartment.

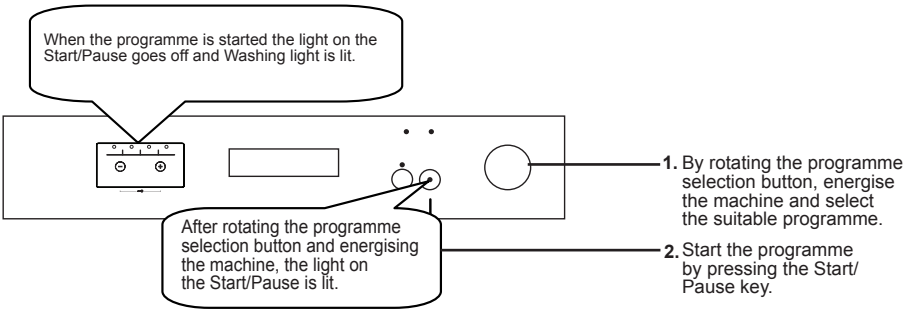
7. Rinse Aid Missing Warning Indicator
Check the rinse aid missing warning indicator light on the display to have an idea whether the amount of the rinse aid in your machine is enough. When rinse aid missing warning indicator is lit, fill the rinse aid compartment.

8. Programme Monitoring Lights
You can monitor the programme flow with the programme lights on the control panel.
- Wash
- Rinse
- Dry
- End
-

Using the Child Lock
Press + and - keys on the remaining time indicator at the same time for 3 seconds so as to activate the child lock. At that time, on the remaining time indicator, "CL" is displayed for 2 seconds. To deactivate the function, Press + and - keys again at the same time for 3 seconds. "CL" will blink for two seconds.

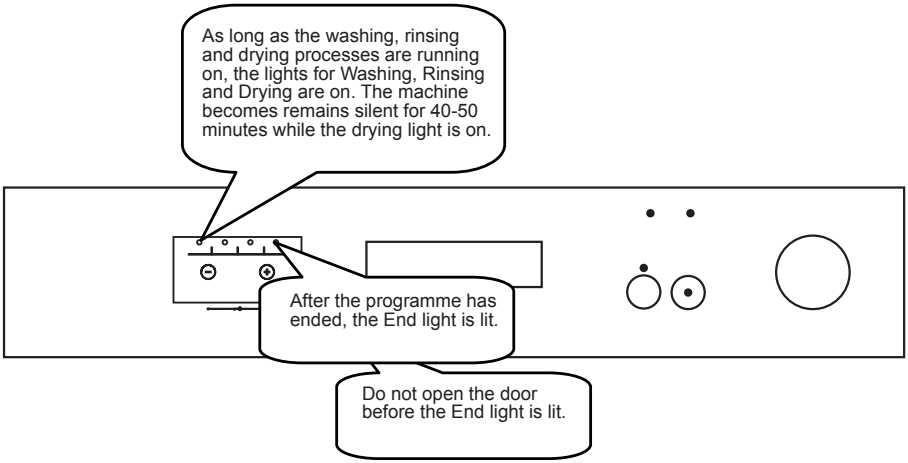
CHAPTER -6: SWITCHING ON THE MACHINE AND SELECTING A PROGRAMME

Operating the Machine



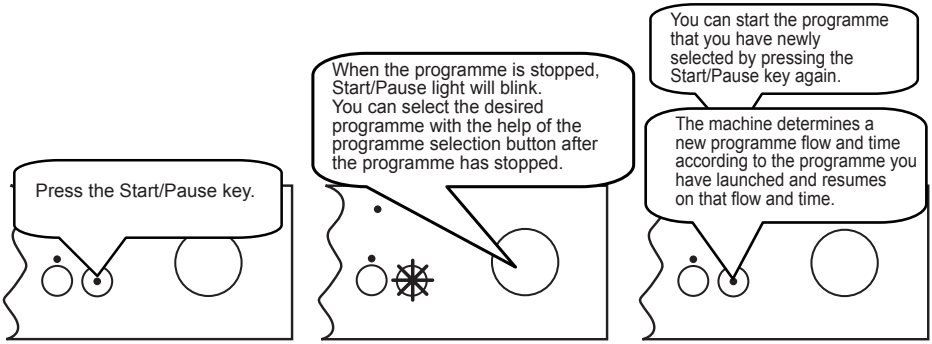
Programme Monitoring

You can monitor the programme flow with the programme lights on the control panel.



Changing the Programme

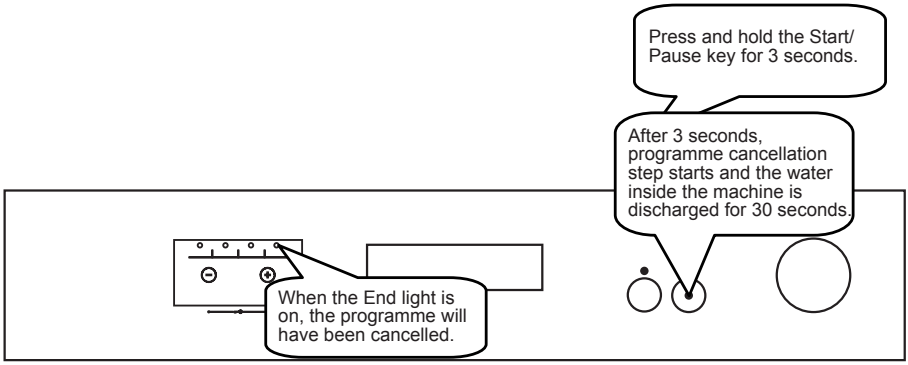
If you would like change a programme while a washing programme is running on:



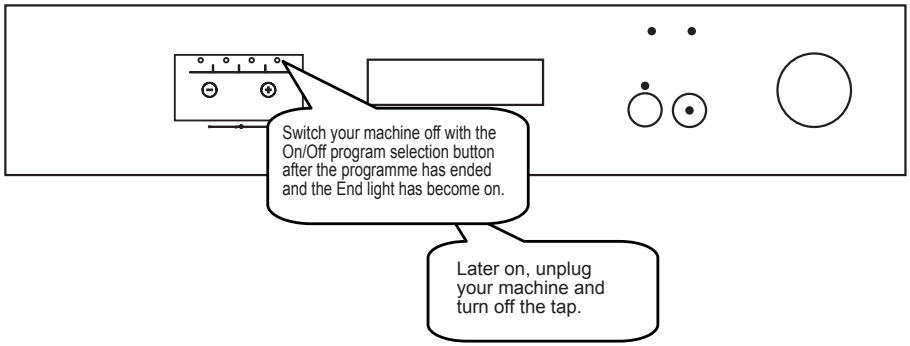
CHAPTER -6: SWITCHING ON THE MACHINE AND SELECTING A PROGRAMME

Cancelling the Programme

If you would like cancel a programme while a washing programme is running on:



Switching the Machine Off



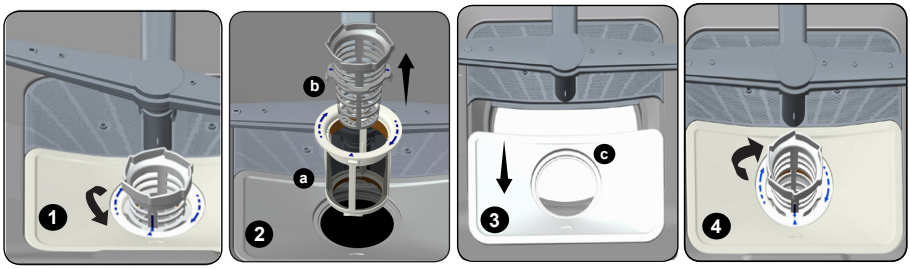
NOTE: In order for the drying process to be performed more quickly, you may slightly open the machine door after few minutes when the programme has ended and the End light has been lit.

NOTE: The washing programme resumes on where it has left if the machine door is opened and then closed or if the machine power is cut off and then supplied during the washing process.

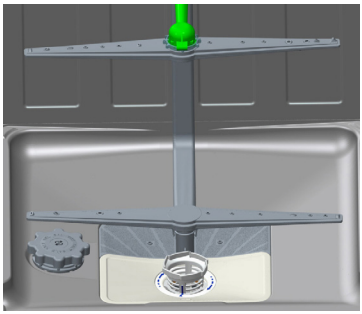
NOTE: If the power is interrupted during the drying process, the programme is terminated. And your machine becomes ready for the new programme selection.

CHAPTER -8: MAINTENANCE AND CLEANING

Cleaning the machine in regular intervals prolongs the machine's service life.
Oil and lime may accumulate in the machine's washing section. In case of such accumulation;
-Fill the detergent compartment without loading any dishes into the machine, run the machine at high temperature. In case this is not sufficient, use special cleansing material.
Cleaning the seals in the machine door,
-Wipe the seals regularly by using a dampened cloth.
Cleaning machine,
Clean the filters and spray arms at least once a week.
Unplug your machine and turn off its tap before starting the cleaning.
Wipe with a fine cleaning material and a dampened cloth.
Filters
If any food wastes have remained on the coarse and fine filters, remove the filters and clean them thoroughly under the water tap.
a. Micro Filter
b. Coarse Filter
c. Metal/Plastic Filter
To remove and clean the filter combination, turn it counter clockwise and take it out by lifting upwards.**1** Pull and remove the metal/plastic filter. **2** Then pull the coarse filter out of the micro filter.**3** Rinse it with lots of water under the tap. Refit the metal/plastic filter. Insert the coarse filter into the micro filter in a way that the marks will correspond to one another. Attach micro filter into the metal/plastic filter and turn to the direction of arrow and it is locked when the arrow on micro filter can be seen from across. **4**
• Never use your dishwasher without any filter.
• Incorrect fitting of the filter will reduce the washing effectiveness.
• Clean filters are very important in terms of the proper running of the machine.



Spray arms
Check the holes for the upper and lower spray arms. If there is any clogging, remove the spray arms and clean them under water.
You can remove the lower spray arm by pulling it upwards, while the upper spray arm nut can be removed by turning the nut to the left. Be sure that the nut is perfectly tightened when refitting the upper spray arm.



Hose filter
Check the filter and the hose from time to time and clean them to forestall yellowing and formation of deposits after washing. To clean the filter, first turn off your tap and then remove the hose. After removing the filter from the hose, clean it under the tap. Insert the cleaned filter back into its place inside the hose. Refit the hose.

CHAPTER -9: FAILURE CODES AND WHAT TO DO IN CASE OF FAILURE

ERROR CODE	ERROR DESCRIPTION	CONTROL
F5	Inadequate water supply	• Make sure the water input tap is totally open and that there is no water cut. • Close the water input tap, separate the water input hose from the tap and clean the filter at the connection end of the hose. • Restart your machine, contact the service if the error resumes.
F3	Error of continuous water input	• Close the tap. • Contact for service.
F2	The waste water in the machine cannot be discharged.	• Water discharge hose is clogged. • The filters of your machine might be clogged. • Power off-on your machine and activate the program cancellation command. • If the error continues, contact for service.
F8	Heater error	• Contact for service.
F1	Alarm is active against water overflow	• Power off your machine and close the tap. • Contact for service.
FE	Faulty electronic card	• Contact for service.
F7	Overheating error (temperature in the machine is too high)	• Contact for service.
F6	Faulty heater sensor	• Contact for service.

If one of program monitor lights is on and start/pause light is on and off,
Your machine's door is open, shut the door.
If the programme won't start
• Check if the plug is connected.
• Check your indoor fuses.
• Be sure that the water inlet tap is turned on.
• Be sure that you have closed the machine door.
• Be sure that you switched off the machine by pressing the Power On / Off button.
• Be sure that the water inlet filter and the machine filters are not clogged.
If the lamps "Wash" and "End" keep flashing
• Water overflow alarm is active
• Turn off your tap and contact an authorised service.
If the control lamps won't go out after a wash operation
The Power On/Off button is released yet.
If detergent residues are left in the detergent compartment
Detergent has been added when the detergent compartment was wet.
If water is left inside the machine at the end of the programme
• The water drain hose is clogged or twisted.
• The filters are clogged.
• The programme is not finished yet.
If the machine stops during a wash operation
• Power failure.
• Water inlet failure.
• Program can be on standby mode.
If shaking and hitting noises are heard during a wash operation
• Dishes placed incorrectly.
• Spray arm hitting the dishes.
If there are partial food wastes left on the dishes
• Dishes placed incorrectly into the machine, sprayed water did not reach related places.
• Basket overly loaded.
• Dishes leaning against one another.
• Small amount of detergent added.
• An unsuitable, rather weak wash programme selected.
• Spray arm clogged with food wastes.
• Filters clogged.
• Filters incorrectly fitted.
• Water drain pump clogged.
If there are whitish stains on the dishes
• A small amount of detergent is being used.
• Rinse aid dosage setting at a very low level.
• No special salt is being used despite the high degree of water hardness.
• Water softener system setting is at a very low level.
• Salt compartment cap not closed well.

CHAPTER -10: PRACTICAL AND USEFUL INFORMATION

If the dishes won't dry up
• A programme without a dry operation selected.
• Rinse aid dosage set too low
• Dishes unloaded too fast.
If there are rust stains on the dishes
• Stainless-steel quality of the dishes washed is insufficient.
• High rate of salt in the wash water.
• Salt compartment cap not closed well.
• Too much salt spilt into the sides and into the machine while filling it with salt.
• Unhealthy mains grounding.
Call an authorised service if the problem still persists or in case of any malfunction not described above.

PRACTICAL AND USEFUL INFORMATION
1- Whenever you will not be operating your machine
• Unplug the machine and then turn the water off.
• Leave the door slightly ajar in order to prevent the formation of unpleasant smells.
• Keep the machine interior clean.
2- Eliminating water droplets
• Wash the dishes with the intensive programme.
• Take all of the metal containers in the machine out.
• Do not add detergent.
3- If you properly place your dishes into the machine, you will be using it in the best way in terms of energy consumption, washing and drying performance.
4- Clean all rough waste before you place dirty dishes to the machine.
5- Operate the machine after it is completely full.
6- Use pre-washing program only when necessary.
7- Observe program information and average consumption values table when selecting a program.
8- Since the machine will reach high temperatures, it should not be mounted near refrigerator.
9- If the appliance is located in a place where the risk of freezing exists, you must completely drain the water that has remained in the machine. Turn off the water tap, disconnect the water inlet hose from the tap and allow the interior water to drain.

DISPOSAL OF YOUR OLD MACHINE

This symbol on the product or package implies that the product should not be treated as domestic waste. Instead, it should be delivered to applicable waste collection places recycling electrical and electronic equipment. You will contribute to avoid potential negative results regarding environment and human health. Recycling materials will help natural resources be preserved. For more detailed information regarding recycling of this product, please contact local municipality, domestic waste annihilation service or the shop you have purchased the product.

The dishwasher contains biocidal product in the PP sump filter to prevent bacterial growth.
Active Substance: zinc pyrithione (CAS No: 13463-41-7)



Register your product here
WWW.SHARPHOMEAPPLIANCES.COM,
by registering with Sharp you become part of our For Life promise to always be there for you and your appliance.



Service & Support

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