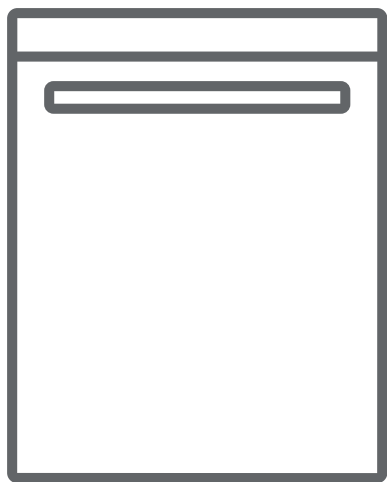




EN Dishwasher / User Manual








OM 4330-90 RT

Thank you for choosing this product.

This User Manual contains important information on safety and instructions intended to assist you in the operation and maintenance of your appliance.

Please take the time to read this User Manual before using your appliance and keep this book for future reference.

Icon	Type	Meaning
	WARNING	Serious injury or death risk
	RISK OF ELECTRIC SHOCK	Dangerous voltage risk
	FIRE	Fire risk
	CAUTION	Injury or property damage risk
	IMPORTANT / NOTE	Operating the system correctly

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1. SAFETY INSTRUCTIONS


1.1. General Safety Warnings


- Read these instructions carefully before using your appliance and keep this manual for future reference.


 Please check the packaging of your machine before installation and the outer surface of the machine once the packaging has been removed. Do not operate the machine if it appears damaged or if the packaging has been opened.

- Packaging materials protect your machine from any damage that might occur during transportation. The packaging materials are environmentally friendly as they are recyclable. Use of recycled material reduces raw material consumption and decreases waste production.

 This appliance can be used by children aged from 8 years and above, and by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning the use of the appliance in a safe way and understand hazards involved. Children should not be allowed to play with the appliance.

 Remove packaging and keep it out of reach of children.

 Keep children away from detergents and rinse aids.

 There may be some residue left in the machine after washing. Keep children away from the machine when it is open.

1.2. Installation Warnings

- Choose a suitable and safe place to install your machine.
- Only original spare parts should be used with the machine.



Unplug the machine before installation.



Your machine must only be installed by an authorised service agent. Installation by anyone other than an authorised agent may cause your warranty to be void.



Check that the indoor electrical fuse system is connected in line with safety regulations.



All electrical connections must match the values on the plate.



Ensure the machine does not stand on the electrical supply cable.



Never use an extension cord or a multiple socket connection.



The plug should be accessible after the machine is installed.

- After installation, run your machine unloaded for the first time.



The machine must not be plugged in during positioning.



Always use the coated plug supplied with your machine.





If the electrical cable is damaged, it should only be replaced by a qualified electrician.

1.3. During Usege

- This machine is for domestic use only; do not use

- it for other purposes. Commercial use will void the guarantee.


 Do not stand, sit or place loads on the open door of the dishwasher.


 Only use detergents and rinse aids produced specifically for dishwashers. Our company is not responsible for any damage that may occur due to misuse.


 Do not drink water from the machine.


 Due to the danger of explosion, do not place any chemical dissolving agents into the machine's washing section.


- Check the heat-resistance of plastic items before washing them in the machine.

 Only put items in the machine which are suitable for dishwashing, and take care not to overfill the baskets.

 Do not open the door while the machine is in operation, hot water may spill out. Safety devices ensure the machine stops if the door is opened.

 The machine door should not be left open. It may cause accidents.

 Place knives and other sharp objects in the cutlery basket in a blade-down position.

 For models with the automatic door-opening system, when the EnergySave option is active, the door will open at the end of a program. To prevent damage to your dishwasher, do not attempt to close the door for one minute after it has opened. For effective drying, keep the door open for 30 minutes after a programme has ended. Do not stand in front of the door after the auto-open signal sounds.

 In the case of a malfunction, repair should only

be performed by an authorised service company, otherwise the warranty will be void.



Before repair work, the machine should be disconnected from the mains. Do not pull the cable to unplug the machine. Switch off the water tap.



Operation at a low voltage will cause a decline in performance levels.



For safety, disconnect the plug once a program has finished.



To avoid an electric shock, do not unplug the machine with wet hands.



Pull the plug to disconnect the machine from the mains, never pull on the cord.

RECYCLING

- Some machine components and packaging consist of recyclable materials.
- Plastics are marked with the international abbreviations:(>PE<, >PP<, etc.)
- The cardboard parts consist of recycled paper. They can be put into waste paper containers for recycling.
- Material unsuitable for domestic waste must be disposed of at recycling centres.
- Contact a relevant recycling centre to obtain information about disposal of different materials.

PACKAGING AND THE ENVIRONMENT

- Packaging materials protect your machine from damage that may occur during transportation. The packaging materials are environmentally friendly as they are recyclable. The use of recycled material reduces raw material consumption and therefore decreases waste production.

CE Declaration of Conformity

We declare that our products meet the applicable European Directives, Decisions and Regulations and the requirements listed in the standards referenced.

Disposal of your old machine



The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. 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, your household waste disposal service or the shop where the product was purchased.

2. INSTALLATION

2.1. Machine positioning


When positioning the machine, place it in an area where dishes can be easily loaded and unloaded. Do not put the machine in an area where the ambient temperature falls below 0°C.

Read all warnings located on the packaging before removing the packaging and positioning the machine.

Place the machine close to a water tap and drain. Take into consideration that the connections will not be altered once the machine is in position.

Do not hold the machine by its door or panel.

Leave an adequate distance around the machine to allow ease of movement when cleaning.

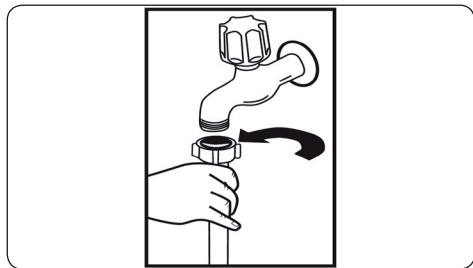
 Ensure the water inlet and outlet hoses are not squeezed or trapped and that the machine does not stand on the electrical cable while positioning.


Adjust the feet so the machine is level and balanced. The machine should be placed on flat ground otherwise it will be unstable and the door of the machine will not close properly.


2.2. Water connection

We recommend fitting a filter to your water inlet supply in order to prevent damage to your machine due to contamination (sand, rust, etc.) from indoor plumbing. This will also help prevent yellowing and deposit formation after washing.


2.3. Water inlet hose




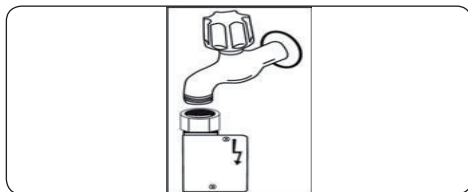
 **WARNING:** Use the new water inlet hose supplied with your machine, do not use an old machine's hose.


 **WARNING:** Run water through the

new hose before connecting.

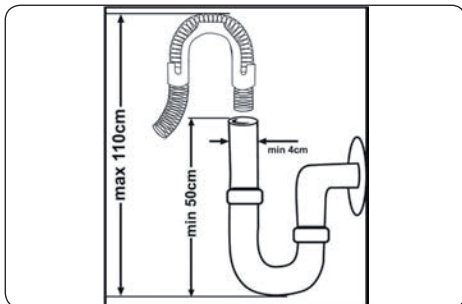
 **WARNING:** Connect the hose directly to the water inlet tap. The pressure supplied by the tap should be a minimum of 0.03 MPa and a maximum of 1 MPa. If the pressure exceeds 1 MPa, a pressure relief valve must be fitted between the connection.

 **WARNING:** After the connections are made, turn the tap on fully and check for water leaks. Always turn off the water inlet tap after a wash program has finished.




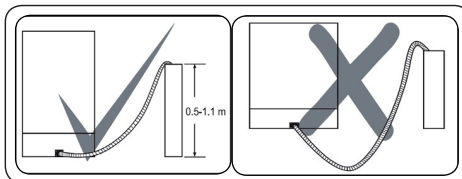
 An AquaStop water spout is available with some models. Do not damage it or allow it to become kinked or twisted.

2.4. Drain Hose



Connect the water drain hose directly to water drain hole or to the sink outlet spigot. This connection should be minimum 50 cm and maximum 110 cm from floor plane.

 **IMPORTANT:** Items will not wash properly if a drain hose longer than 4 m is used.



2.5. Electrical connection



WARNING: Your machine is set to operate at 220-240 V. If the mains voltage supply to your machine is 110 V, connect a transformer of 110/220 V and 3000 W between the electrical connection.



The earthed plug of the machine must be connected to an earthed outlet supplied by suitable voltage and current.








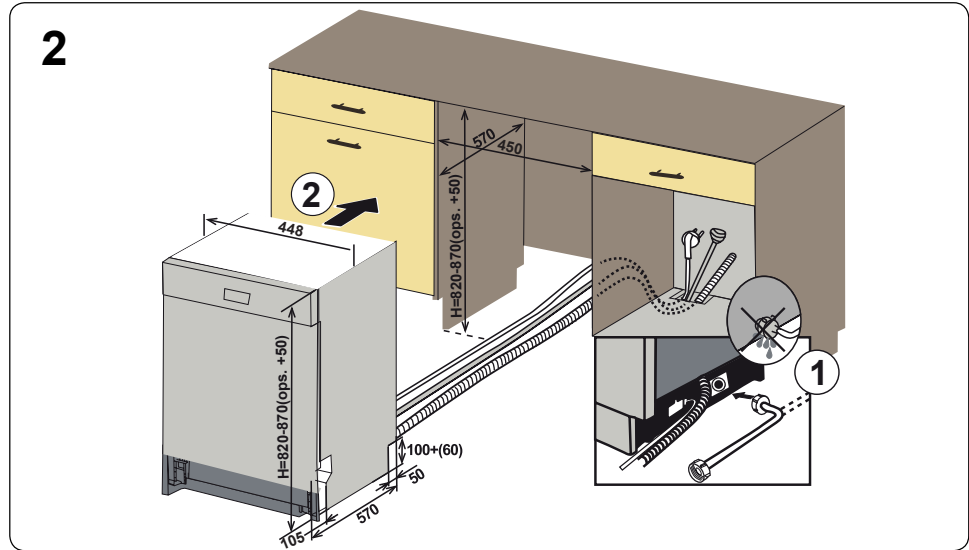
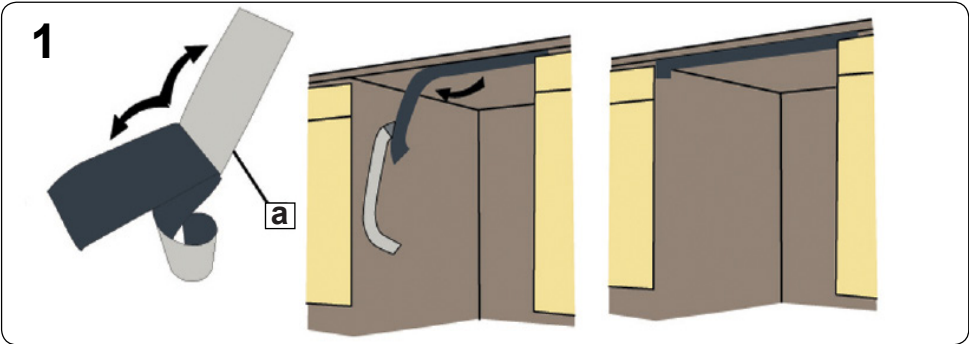
In the absence of earthing installation, an authorised electrician should carry out an earthing installation. In the case of use without earthing installed, we will not be responsible for any loss of use that may occur.



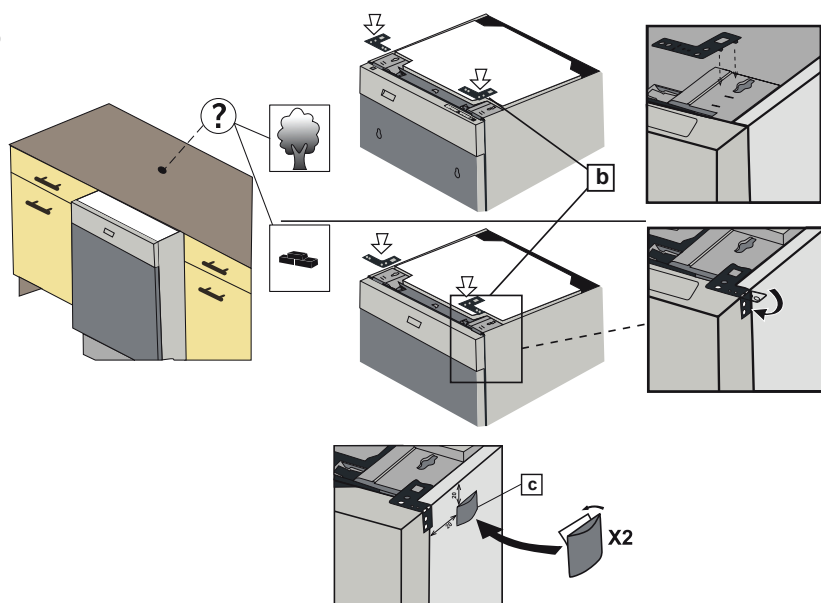
The indoor fuse current value should be 10-16 A.

Fitting the Machine Undercounter

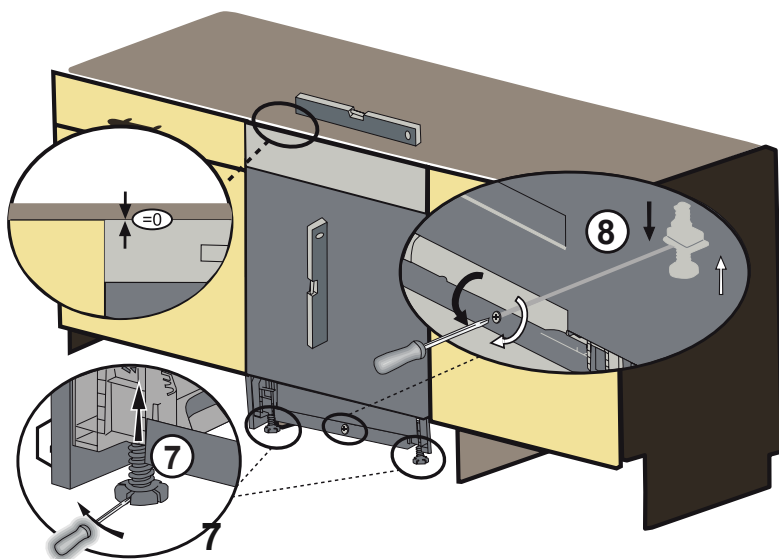
a		700X75
		
c		
d		
e	OPS.(+50)H=870-920 mm 	



3



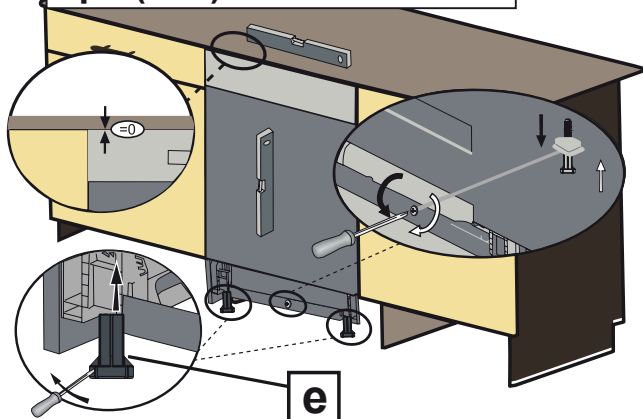
4-a



4-b

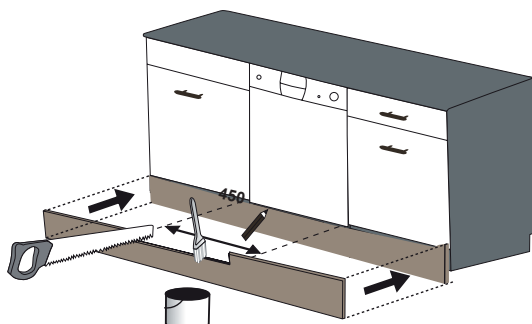
The following options are available.

ops.(+50) H= 870-920 mm



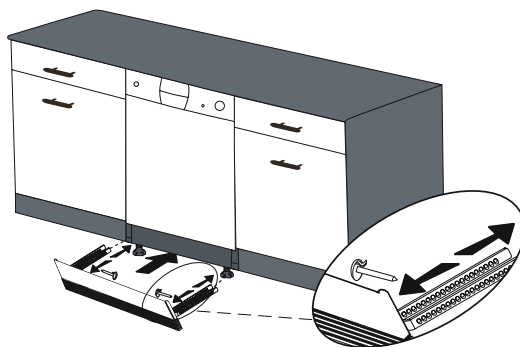
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Option 1: Attach the furniture kickplate.

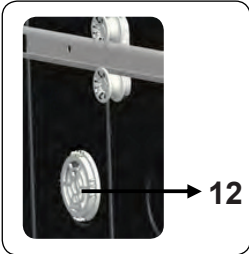
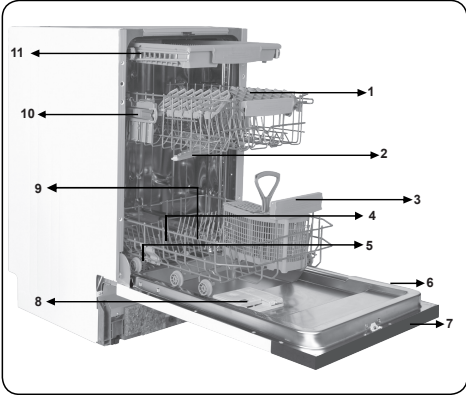


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Option 2: Attach the adjustable plinth group. Follow the instructions supplied with the adjustable plinth group.



3. TECHNICAL SPECIFICATIONS



3.1. General appearance

- 1. Upper basket with racks
- 2. Upper spray arm
- 3. Lower basket
- 4. Lower spray arm
- 5. Filters
- 6. Rating plate
- 7. Control panel
- 8. Detergent and rinse-aid dispenser
- 9. Salt dispenser
- 10. Upper basket track latch
- 11. Upper Cutlery Basket
- 12. **Turbo Drying Unit:** This system enhances the drying performance of your dishes.

3.2. Technical specifications

Capacity	10 place settings
Dimensions (mm)	820-870(mm)
Height	870-920(mm)
Width	448(mm)
Depth	570(mm)
Net weight	39kg
Operating voltage / frequency	220-240V 50 Hz
Total current (A)	10(A)
Total power (W)	1900(W)
Water supply pressure	Maximum: 1 (Mpa) Minimum: 0.03 (Mpa)

RECYCLING

- Some machine components and packaging consist of recyclable materials.
- Plastics are marked with the international abbreviations:(>PE<, >PP<, etc.)
- The cardboard parts consist of recycled paper. They can be put into waste paper containers for recycling.
- Material unsuitable for domestic waste must be disposed of at recycling

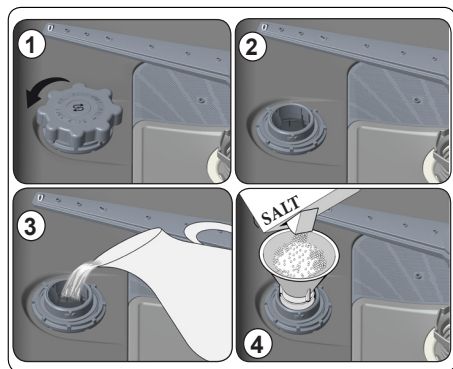
4. BEFORE USING THE APPLIANCE

4.1. Preparing your Dishwasher for first use

- Check whether the electricity and supply water specifications match the values indicated in the installation instructions for the machine.
- Remove all packaging materials inside the machine.
- Set the water softener level.
- Fill the rinse aid compartment.

4.2. Fill the salt (IF AVAILABLE)

To fill with softener salt, open the salt compartment cap by turning it counter clockwise. **(1)** **(2)** At first use, fill the compartment with 1 kg salt and water **(3)** until it is almost overflowing. If available, using the funnel **(4)** provided will make filling easier. Replace 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 the first time you fill the salt compartment only.


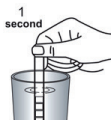
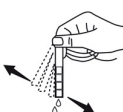
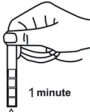


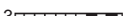

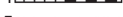

Use softener salt specifically produced for use in dishwashers.

When you start your dishwasher, the salt compartment is filled with water, therefore put the softener salt in prior to starting your machine.

If the softener salt has overflowed and you do not start the machine immediately, run

a short washing program to protect your machine against corrosion.

4.3. Test Strip

Run water through the tap (1min.)	Keep the strip in the water (1sec)	Shake the strip.	Wait (1min.)	Set the hardness level of your machine.
				1  2  3  4  5  6 

NOTE: The level is set to 3 as default. If the water is well water or has a hardness level above 90 dF, we recommend that you use filter and refinement devices.

4.4. Water Hardness Table

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

4.5. Water Softener System

The dishwasher is equipped with a water softener which reduces the hardness in the mains water supply. To find out the hardness level of your tap water, contact your water company or use the test strip (if available).

4.6. Setting

- Turn the machine on by pressing the On/Off button.
- Press the Program button for at least 3 seconds immediately after the machine is turned on.
- Release the Program button when “SL” is shown. Next, the last setting level is displayed.
- Press the program button to set the desired level. Each press of the program button increases the level. Once level 6 has been reached, the next press returns the level to 1.
- The last selected water hardness level is stored in the memory by turning the machine off with the On/Off button.

4.7. Detergent usage

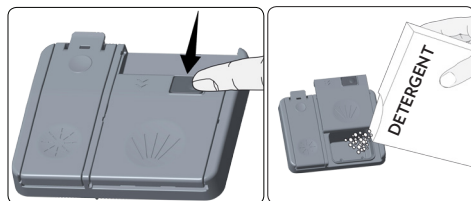
Only use detergents specifically designed for domestic dishwashers.

Add the recommended amount of detergent for the selected programme to ensure the best performance.

4.8. Filling the detergent

Push the latch to open the dispenser and pour in the detergent.

Close the lid and press it until it locks in place. The dispenser should be refilled just before the start of each programme. If the dishes are heavily soiled, place additional detergent in the pre-wash detergent chamber.



4.9. Using combined detergents

These products should be used according to the manufacturer's instructions.

Never put combined detergents into the interior section or the cutlery basket.

Combined detergents contain not only the detergent but also rinse-aid, salt replacement substances and additional components depending on the combination.

We recommend you do not use combined detergents in short programmes.

Please use powder detergents in such programmes.

If you encounter problems when using combined detergents, please contact the detergent manufacturer.

When you stop using combined detergents, make sure that water hardness and rinse aid settings are set to correct level.

4.10. Rinse-aid usage

Rinse-aid makes dishes sparkle and helps them to dry without spotting. Rinse-aid is required for stain-free utensils and clear glasses. Use only rinse-aid for domestic dishwashers.

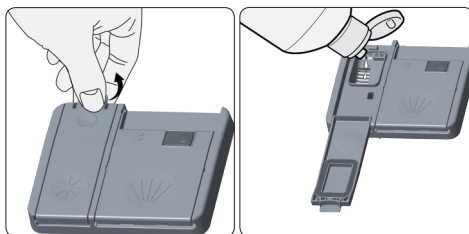
4.11. Filling the rinse-aid and setting

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 on the machine by pressing the On/Off button.
- Press the Programme button for at least 5 seconds immediately after the machine is turned on.
- Release the Programme button when "rA" is shown. Rinse aid level setting follows water hardness level setting. Next, the last setting level is displayed.
- Set the level by pushing the programme button.
- Switch off the machine 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.

5. LOADING YOUR DISHWASHER

For best results, follow these loading guidelines.

We recommend that you place large items (pots, pans, lids, plates and bowls) which are heavily soiled in the lower basket.

The upper basket is designed for delicate and lighter dishware such as glasses, coffee and tea cups and saucers. Position the dishes so that they will not get moved by the spray of water.

Cutlery should be placed in the cutlery basket. Items should be loaded individually into the appropriate slots with their handles downwards. Long utensils should be placed horizontally on the baskets.



WARNING: Take care not to obstruct the rotation of spray arms.

5.1. Recommendations

Remove any coarse residue on dishes before placing the dishes in the machine. Start the machine with full load.



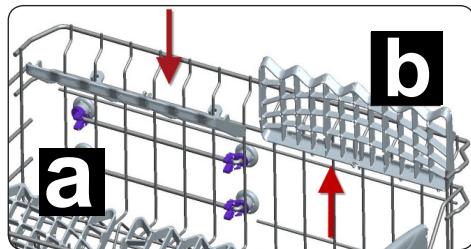
Do not overload the drawers or place dishes in the wrong basket.



WARNING: Always place sharp utensils with the sharp point down and open utensils with their openings down.

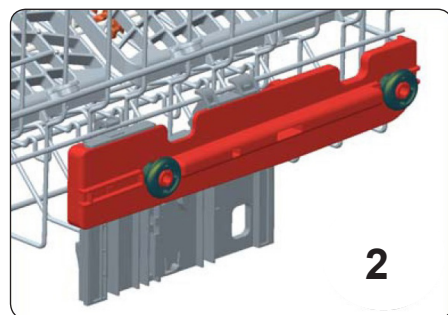
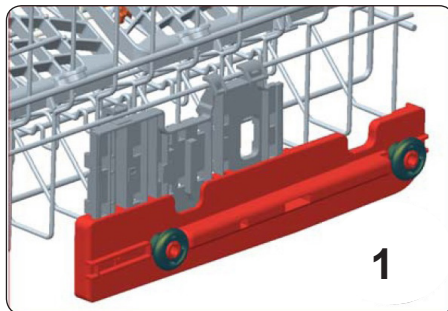
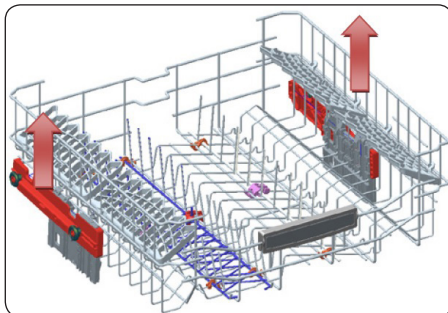
Dish rack

The upper basket racks can either be open, **a**, or closed, **b**. Place cups and large utensils (horizontally) on the racks to be washed.



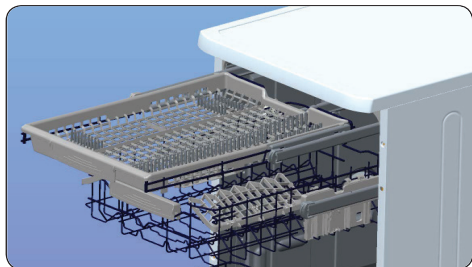
2b) Height adjustment

The upper basket includes a mechanism which enables the height of the basket to be adjusted up (1) or down (2) without having to remove the basket. Hold the basket on both sides and pull it up or push it down, ensuring both sides of the upper basket are in the same position.

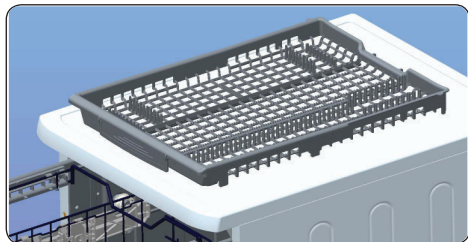


Upper Cutlery Basket

The upper cutlery basket is designed for the placement of large and small cutlery and utensils.



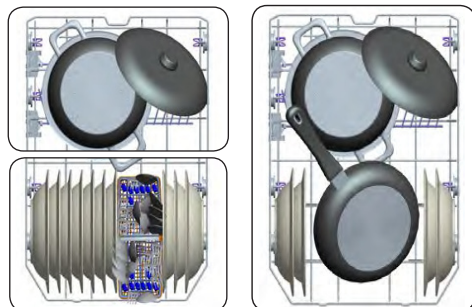
It is easily removed from the dishwasher, therefore allows ease of use when removing your items, along with the basket, after washing.



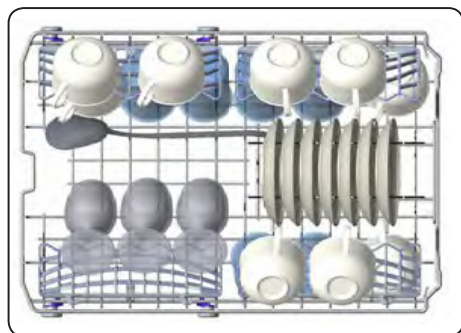
WARNING: Knives and other sharp objects must be placed horizontally in the cutlery basket.

5.2 Alternative Basket Loads

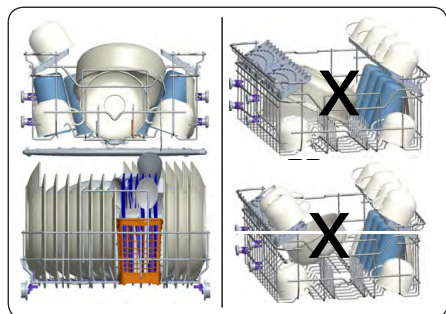
Lower Basket



Top Basket



Incorrect Loads



Important Note for Test Laboratories

For detailed information required for tests according to EN normatives and a softcopy of the manual, please send the model name and serial number to the following address:

dishwasher@standardtest.infow

6. PROGRAMME TABLE

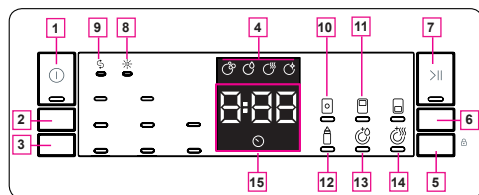
Programme	Duration (min)	Description
Prewash	15	To rinse dishes that you plan to wash later.
Quick 30'	30	For lightly soiled dishes and a quick wash.
Eco (Reference)	198	Standard programme for dishes which are used daily but are not heavily soiled.
Middle	94	For dishes which are used daily but are not heavily soiled.
Quick & Clean	50	A faster programme for dishes which are used daily but are not heavily soiled.
Auto Delicate	66-100	Automatic programme for delicate dishes which are not heavily soiled.
Auto Middle	88-104	Automatic programme for dishes which are not heavily soiled.
Auto Intensive	106-152	Automatic programme for heavily soiled dishes.



NOTE: THE PROGRAMME DURATION MAY CHANGE ACCORDING TO THE AMOUNT OF DISHES, THE WATER TEMPERATURE, THE AMBIENT TEMPERATURE AND SELECTED ADDITIONAL FUNCTIONS.

- Only use powder detergent for short programmes.
- Short programmes do not include drying.
- To assist drying, we recommend slightly opening the door after a cycle is complete.

7. THE CONTROL PANEL



1. On/Off button
2. Program Selection Button
3. Delay Button
4. Washing Cycle Progress Indicators
 - a- Washing Cycle symbol
 - b- Rinse Cycle symbol
 - c- Drying Cycle symbol
 - d- End Cycle symbol
5. Select Button
6. Options Button
7. Start/Pause Button
8. Rinse Aid Indicator
9. Salt Indicator
10. Tablet Indicator
11. Half Load Indicator
12. Extra Hygiene Indicator
13. Extra Rinse option
14. Extra Drying Indicator
15. Remaining Time Indicator

1. STARTING THE MACHINE AND SELECTING A PROGRAMME

- a. Press the Power On/Off button.
- b. Select the desired program by touching the icons located on the left side of the display.
- c. Press Start/Pause button to start the program.

2. Program Selection Button

Select a suitable programme by pressing the Programme button.

3. Delay Button

You can delay the start time of the programme for 1-2...24 hours by pressing the delay button (3) before the programme starts. If you want to change the delay time, first press the Start/Pause button and then the delay button to select a new delay time. To activate the new delay time, press the Start/Pause button. To cancel the delay, you need to switch to 0 hour by using the delay

when the machine is paused.

4. Washing Cycle Progress Indicators

The display will show the symbols corresponding to the status of the programme in operation. While the Drying symbol is on, the machine will remain silent with respect to the programme you have selected for 15 to 100 minutes.

5. Select Button

Options can be selected by pressing the Options button repeatedly. The chosen option will be indicated by a blinking LED. Select the option by pressing the Select button. The LED for the chosen option will then remain lit.

6. Options Button

If you have used an extra feature on the latest washing programme, this feature will remain active on the next washing programme. If you want to cancel this feature on the newly selected washing programme, press the options button to browse the options and press the select button to deactivate the related option or turn the machine off with the on/off button. If you would like to use an extra feature with a newly selected programme, select the desired function.

7. Start/Pause Button

Press the Start/Pause button to start the programme. The wash lamp turns on and the Remaining Time Indicator shows the programme duration. It also indicates the remaining time during the programme flow. If you open the door of your machine when the programme is running the duration of the programme pauses, and the Start/Pause led blinks.

8. Rinse Aid Indicator

When the rinse aid level is low, the rinse aid lack warning indicator turns on and you should fill the rinse aid chamber.

9. Salt Indicator

When there is insufficient softening salt, the salt lack warning indicator turns on and you should fill up the salt chamber.

10. Tablet Indicator

Select the Tablet Detergent function when using a combined detergent that contains salt, rinse aid or other extras. The Tablet Detergent Indicator will remain on for as long as it is selected. This option will

change washing temperature and time.

11. Half Load Indicator

Select the Half Load function to choose which area of the dishwasher contains dishes to be washed. You can select both baskets, the upper basket only, or the lower basket only. Press the button until the symbol corresponding to the basket containing the dishes to be washed illuminates. The Half Load Indicator will illuminate while this function is in operation. Dishes placed in other areas will not be washed.

12. Extra Hygiene Indicator

Select the Extra Hygiene function to increase the wash temperature, for a maximum hygiene washing operation. The Extra Hygiene Indicator will illuminate.

This option can be selected for all programmes except for Prewash, Mini 14' and Quick 30' programmes.

13. Extra Rinse option

If Extra Rinse option is selected, washing-rinsing steps will be added into the selected program, so you can ensure that your dishes will be extracted cleaner and glossier.

14. Extra Drying Indicator

If Extra Drying option is selected, extra heating and drying steps will be added into the selected program, so you can ensure that your dishes will be extracted dryer.

15. Remaining Time Indicator

The hour '0:00' will show on the Display Information Line and the Delay symbol will flash. The display will show the duration of the selected programme and delay time.



NOTE: Child lock is activated/deactivated by pressing select button (5) for about 3 seconds. When it is activated, all leds blink and "CL" is shown on Remaining Time Indicator (15) once. When it is deactivated, all lamps and "CL" blink twice.



NOTE: If you switch the machine to off position after selecting the delay time and the programme has started, the delayed time is cancelled.

8. CLEANING AND MAINTENANCE

Cleaning your Dishwasher is important to maintain the machine's service life.

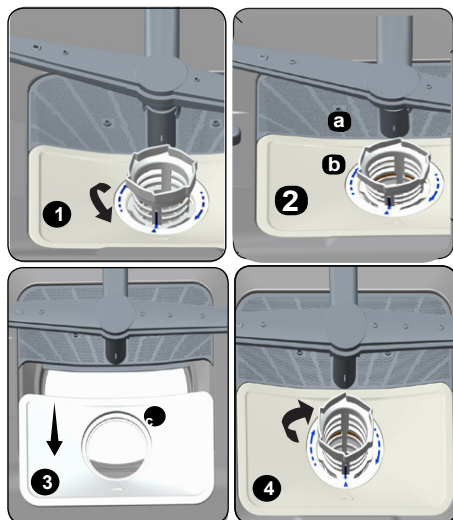
Oil and lime may build up in your Dishwasher over time. If this occurs:

- Fill the detergent compartment but do not load any dishes. Select a programme which runs at high temperature and run the Dishwasher empty. If this does not clean your Dishwasher sufficiently, use a cleaning agent designed for use with dishwashers.
- **Wipe the door seals regularly with a damp cloth to remove any accumulated residue.**

8.1. Cleaning machine and filters

Clean the filters and spray arms at least once a week. If any food waste remains on the coarse and fine filters, remove them and clean them thoroughly with water.

- a) Micro Filter b) Coarse Filter**
c) Metal Filter



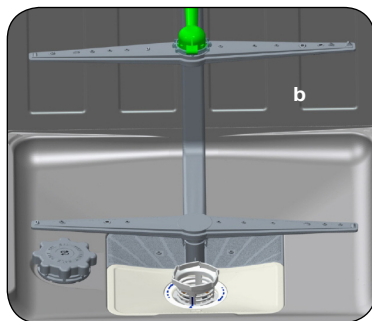
To remove and clean the filter combination, turn it counter clockwise and remove it by lifting it upwards (1). Pull the coarse filter out of the micro filter (2). Then pull and remove the metal filter (3). Rinse the filter with lots of water until it is free of residue. Reassemble

the filters. Replace the filter insert, and rotate it clockwise (4).

- Never use your Dishwasher without a filter.
- Incorrect fitting of the filter will reduce the washing effectiveness.
- Clean filters are necessary for proper running of the machine.

8.2 Spray arms

Make sure that the spray holes are not clogged and that no food waste is stuck to the spray arms. If there is any clogging, remove the spray arms and clean them under water. To remove the upper spray arm undo the nut holding it in position by turning it clockwise and pulling it downwards. Make sure that the nut is properly tightened when refitting the upper spray arm.



9. TROUBLESHOOTING

FAULT	POSSIBLE CAUSE	TROUBLESHOOTING
The programme does not start.	Your Dishwasher is not plugged in.	Plug your Dishwasher in.
	Your Dishwasher is not switched on.	Switch your Dishwasher on by pressing the On/Off button.
	Fuse blown.	Check your indoor fuses.
	Water inlet tap is closed.	Turn on the water inlet tap.
	Your Dishwasher door is open.	Close the Dishwasher door.
	Water inlet hose and machine filters are clogged.	Check the water inlet hose and machine filters and make sure they are not clogged.
Water remains inside the machine.	Water drain hose is clogged or twisted.	Check the drain hose, then either clean or untwist it.
	The filters are clogged.	Clean the filters.
	The programme is not finished yet.	Wait until the programme is finished.
Machine stops during washing.	Power failure.	Check mains power.
	Water inlet failure.	Check water tap.
Shaking and hitting noises are heard during a wash operation.	The spray arm is hitting the dishes in the lower basket.	Move or remove items blocking the spray arm.
Partial food wastes remain on the dishes.	Dishes placed incorrectly, sprayed water not reaching affected dishes.	Do not overload baskets.
	Dishes leaning each another.	Place dishes as instructed in the section on loading your dishwasher.
	Not enough detergent used.	Use the correct amount of detergent, as instructed in the programme table.
	Wrong wash programme selected.	Use the information in the programme table to select the most appropriate programme.
	Spray arms clogged with food waste.	Clean the holes in the spray arms with thin objects.
	Filters or water drain pump clogged or filter misplaced.	Check the drain hose and filters are correctly fitted.

FAULT	POSSIBLE CAUSE	TROUBLESHOOTING
Whitish stains remains on dishes.	Not enough detergent used.	Use the correct amount of detergent, as instructed in the programme table.
	Rinse aid dosage and/or water softener setting set too low.	Increase rinse aid and/or water softener level.
	High water hardness level.	Increase water softener level and add salt.
	Salt compartment cap not closed properly.	Check that the salt compartment cap is closed properly.
Dishes do not dry.	Drying option is not selected.	Select a programme with a drying option.
	Rinse aid dosage set too low.	Increase rinse aid dosage setting.
Rust stains form on the dishes.	Stainless-steel quality of the dishes is insufficient.	Use only dishwasher-proof sets.
	High level of salt in wash water.	Adjust the water hardness level using water hardness table.
	Salt compartment cap not closed properly.	Check that the salt compartment cap is closed properly.
	Too much salt spilled in the Dishwasher while filling it with salt.	Use funnel while filling salt to the compartment to avoid spillage.
	A poor mains grounding.	Consult a qualified electrician immediately.
Detergent remains in the detergent compartment.	Detergent was added when the detergent compartment was wet.	Make sure detergent compartment is dry before use.

AUTOMATIC FAULT WARNINGS AND WHAT TO DO

TROUBLE CODE	POSSIBLE FAULT	WHAT TO DO
F5	Insufficient water	Make sure the water inlet tap is open and water is flowing
		Separate the inlet hose from the tap and clean the filter of the hose.
		Contact for service if the error continues.
F3	Continuous water input	Close the tap and contact for service.
F2	Inability to discharge water	Water discharge hose and filters may be clogged.
		Cancel the program.
		If the error continues, contact for service.
F8	Heater error	Contact for service.
F1	Overflow	Unplug the machine and close the tap.
		Contact for service.
FE	Faulty electronic card	Contact for service.
F7	Overheating	Contact for service.
F9	Divisor position error	Contact for service.
F6	Faulty heater sensor	Contact for service.

10. PRACTICAL INFORMATION

1. When the machine isn't in operation:
 - Disconnect the plug and close the tap.
 - Leave the door slightly open to prevent odour formation.
2. Select the dry option to remove water droplets.
3. Place dishes in the machine properly to achieve the best energy consumption, washing and drying performance. Please see the programme and consumption table for more information.
4. Rinse dirty dishes before placing them in the dishwasher.
5. Only use the Prewash programme when necessary.
6. Do not place the machine near a refrigerator because it will reach high temperatures.
7. If the machine is located in an area that is at risk of freezing, close the tap, disconnect the inlet hose from the tap and drain the water inside the hose and the machine completely.

11. THE PRODUCT FICHE

Supplier's trade mark	GRAM
Supplier's model	OM 4330-90 RT
Capacity of dishwasher	10
The energy efficiency class	A++
Annual energy consumption in kWh per year (AEc) (280 Cycle)*	211
Energy consumption (Et) (kWh per cycle)	0,73
Off-mode power consumption (W) (Po)	0,50
Left-on mode power consumption (W) (Pi)	1,00
Annual water consumption in litres per year (AWc) (280 Cycle)**	2520
Drying efficiency class***	A
Standard programme name****	Eco
Programme time for standard cycle (min)	198
Duration of the left-on mode (T _l) (min)	-
Airborne acoustical noise emissions (dB(A) re 1 pW)	45
Freestanding/Built-in	Built-in

* Energy consumption **211** kwh per year, based on 280 standard cleaning cycles using cold water fill and the consumption of low power modes. Actual energy consumption will depend on how the appliance is used.

** Water consumption **2520** litres per year based on 280 standard cleaning cycles. Actual water consumption will depend on how appliance is used.

*** Drying efficiency class **A** on a scale from G (least efficient) to A (most efficient).

**** The “**Eco**” is the standard cleaning cycle to which the information in the label and the fiche relates. This programme is suitable to clean normally soiled tableware and it is the most efficient programme in terms of combined energy and water consumption.

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GRAM



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