

USER MANUAL
Dishwasher
EN

HDFS143B.S.AU
HDFS143B.BS.AU

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Your dishwasher

Welcome to our growing ASKO family!

We are proud of our appliances. We hope that this appliance will be an appreciated and dependable aid for many years to come.

Please read the operating instructions before use. They include general tips, information about the settings and adjustments you can make, and the best way to take care of your appliance.

To install the dishwasher see the chapter, *Installation*. Then open the door and press .

The first time the dishwasher is switched on, it is important that you choose the right settings to ensure good dishwashing results. See the chapter *Before washing for the first time*.

On/Standby mode

Start/Stop



Display

Program



Auto



Eco



Quick



Intensive



Glass



Hygiene



Night

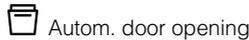
Options



Delayed start



Speed wash



Autom. door opening

Special program



Self-clean



Anti-odour

Information on the display

See the chapter *Care and cleaning*.

 Top up with rinse aid

CLn Run the Self-clean program

NOTE!

The control panel only reacts to use when the door is open.

Safety instructions

- Read the user manual and keep it in a safe place!
- Number of place settings: 14
- Never use the dishwasher for any purpose other than that specified in these operating instructions.
- Do not load the dishwasher door or dishwasher baskets with anything other than dishes.
- The door should not be left in the open position since this could present a tripping hazard. Push the baskets in to avoid the risk of the dishwasher tipping over.
- Use only dishwasher detergent!
- 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.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Any damaged cords must only be replaced by the manufacturer's service centre or someone with similar professional qualifications.
- 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.
- Never place dishes with solvent residues in the dishwasher due to the risk of explosion. Nor may dishes that contain ash, wax or lubricants be washed in the dishwasher.

- Children should be supervised to ensure that they do not play with the appliance.
- Children must be watched. Do not allow children to use or play with the dishwasher. Be especially vigilant when the door is open. Some detergent may remain inside! After adding detergent, always start the dishwasher immediately.

WARNING!

Knives and other utensils with sharp points must be loaded in the basket with their points down or placed in a horizontal position.

WARNING!

Dishwasher detergents are strongly alkaline. They can be extremely dangerous if swallowed. Avoid contact with skin and eyes and keep children away from the dishwasher when the door is open. Seek medical attention if swallowed.

Check that the detergent compartment is empty after completion of the wash cycle.

Installation

See the chapter *Installation*.

Overflow guard

The overflow guard starts pumping water out of the water and turns the water supply off if the water level in the dishwasher exceeds the normal level. If the overflow guard is triggered, F54 (Overfilling water) appears on the display. Turn the water tap off and contact your nearest service centre. (To avoid water leaking outside the dishwasher, do not remove the plug from the wall socket until the water tap to the supply line has been turned off!)

Packaging

The outer packaging protects the product during transport. The packaging material is recyclable. Separate the different packaging materials to help reduce raw material use and waste. Your dealer can take the packaging for recycling or direct you to the nearest recycling centre. The packaging is comprised of:

- Corrugated cardboard made from up to 100% recycled material.
- Expanded polystyrene (EPS) with no added chlorine or fluorine.
- Supports made from untreated wood.
- Protective plastic made from polyethylene (PE).

Safety instructions

Disposal

The dishwasher is manufactured and labelled for recycling. When the dishwasher has reached the end of its service life and is to be disposed of, it should immediately be made unusable. Pull the power cable out and cut it to the shortest length possible.

Contact your local authority for information about where and how your dishwasher should be correctly recycled.

Symbols on the appliance

 Read the User Manual.

NOTE!

Follow the instructions carefully to avoid injury to people and damage to property, and to maintain the warranty.

Before washing for the first time

1. Water hardness

In order to achieve good dishwashing results, the dishwasher needs soft water (water with low mineral content). Hard water leaves a white coating on dishes and the dishwasher.

Checking water hardness

Contact the local water utility to check the water hardness in your area. This is important with regard to how much detergent and rinse aid to use.

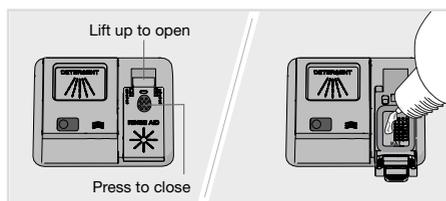
2. Basic settings

The first time the dishwasher is switched on, it is important that you choose the right settings to ensure good dishwashing results. See page 20.

Set up:

- Rinse aid
- TAB (All-in-one detergent)

3. ✨ Top up with rinse aid



By using rinse aid you will improve your drying result. You will also achieve a better dishwashing result with glassware and dishes.

Top up the rinse aid compartment with rinse aid if you have selected Rinse aid 3:01 - 3:05.

1. Open the rinse aid compartment lid.
2. Carefully top the rinse aid up to the marked level **MAX**.
3. Wipe up any splashes of rinse aid around the compartment.
4. Close the lid firmly.

For water with a hardness greater than 10–12 °dH, you ought to use rinse aid with citric acid (known as acid rinse aid).

When the rinse aid needs topping up, the symbol lights on the display.

Greener dishwashing

Save energy and water

When using a dishwasher in a residential setting, less energy and water are generally used compared to washing the dishes by hand.

Do not rinse under running water

Do not rinse the dishes under running water as this will lead to increased energy and water consumption. Simply scrape off large food particles before loading the dishwasher.

Choose a green detergent

Read the environmental declaration on the packaging!

Too much detergent and rinse aid can result in less effective dishwashing and also entail greater environmental impact.

Run a fully loaded dishwasher

Save energy and water by waiting until the dishwasher is full before running a program. Use the  Quick program with the  Speed wash rinse option if there are any unpleasant odours.

Run programs at a lower temperature

If the dishes are only slightly dirty, you can select a program with a low temperature.

Select dishwashing program – Eco

Use when you want to save water and energy. For normally soiled load, such as plates, serving dishes, cups, glasses and so on.

This dishwashing program is designed for an effective wash using as little energy and water as possible. The program washes at a low temperature for a long time.

Select option – Automatic door opening

A shorter dishwashing program and better drying results are achieved if you use the  Automatic door opening option, which automatically opens the dishwasher door. Wait until the dishwasher indicates that the program has ended and the dishes have cooled before unloading the dishwasher.

Fragile dishes

Some cookware is not dishwasher safe. This can be for several reasons. Some materials cannot withstand high heat, others can be damaged by dishwasher detergent.

Exercise caution with, for example, handmade items, fragile decoration, crystal/glassware, silver, copper, tin, aluminium, wood and plastic. Look for the "Dishwasher safe" marking.

Loading affects the results

Load the dishes carefully to ensure the best washing and drying results with the lowest possible energy and water consumption. Give your dishwasher the best chance to reach and clean all surfaces, as well as to dry the dishes as thoroughly as possible.

- All dirty surfaces should face inwards and downwards!
- Dishes should not be placed in or on each other.
- Angle dishes with hollows, such as cups, so that the rinse water will run off. This is also important for plastic items.
- Make sure small items cannot fall through the dishwasher basket; place them in the top cutlery tray.

The dishwasher's baskets

The dishwasher is equipped with a top cutlery tray, an upper basket and a lower basket.

The appearance of the baskets may differ depending on the dishwasher setup.

WARNING!

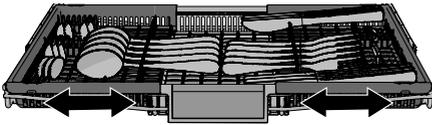
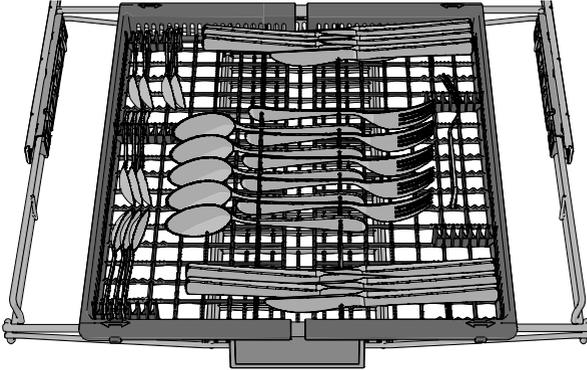
Be careful with fully loaded dishwasher baskets. Push the baskets in to avoid risking the dishwasher tipping over.

Loading the dishwasher

Top cutlery tray

The top cutlery tray has space for cutlery, ladles, whisks, serving cutlery and similar items.

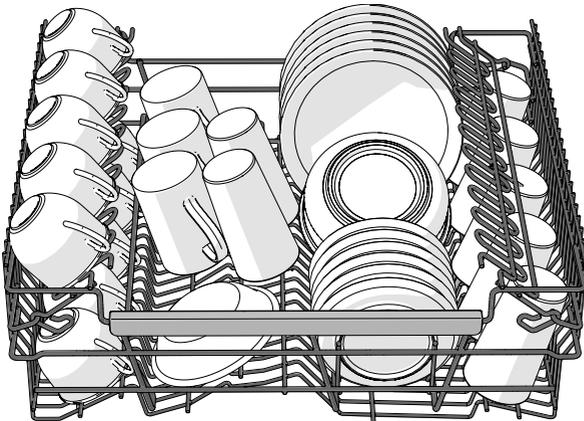
Avoid placing tall objects in the top cutlery tray. They can block the top spray arm.

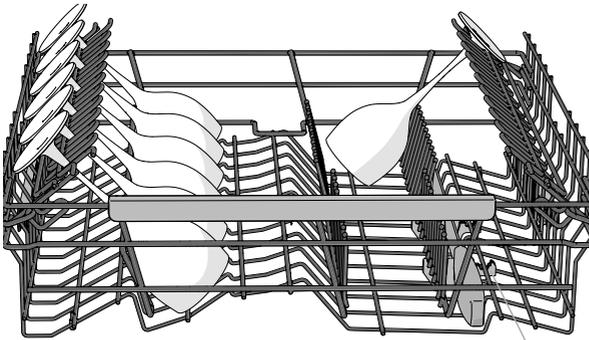


The two top cutlery tray inserts can be moved sideways to make space for taller dishes on the cup shelf.

Upper basket

Place glasses, cups, bowls, side plates and saucers in the upper basket. All dirty surfaces should face inwards and downwards! Place wine glasses on the wine glass shelf and knives in the knife stand on the right.

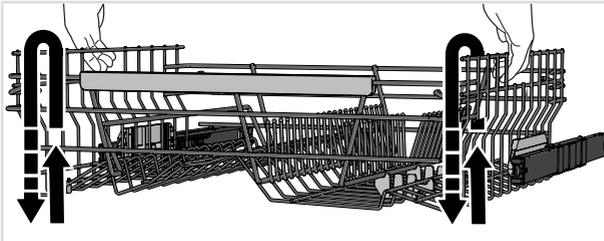




Knife stand

Raising and lowering the upper basket

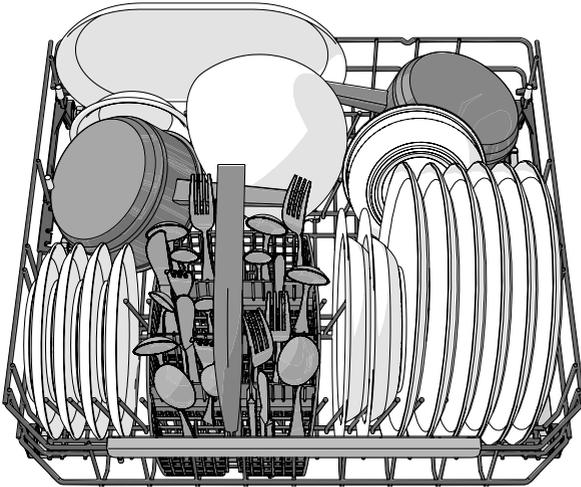
1. Pull out the upper basket.
2. Use both hands to lift the side handles.
3. In the upper position, use both hands to lift the side handles and carefully lower the basket.
Note that both sides of the basket must always be set to the same height.



Loading the dishwasher

Lower basket

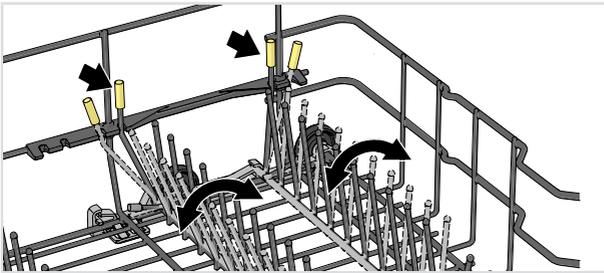
Place plates, side plates, serving dishes, pots and cutlery (in the cutlery basket) in the lower basket.



Place pots and pans in the rear of the lower basket to best utilise dishwashing performance from the two spray nozzles.

Adjustable plate supports

The adjustable plate supports can be adjusted to suit the dishes. Release the plate supports by pushing them inwards before repositioning them. The plate supports can also be folded down to make it easier to load pots and bowls.



Washing large plates

You can adjust the lower basket for plates with a diameter of 25-30 cm by moving the adjustable plate supports and their fixtures to increase the distance between the tine rows.

Cutlery basket

Place cutlery with the handles facing down, except for knives, and spread them out as much as possible. Ensure that spoons do not stack inside each other.

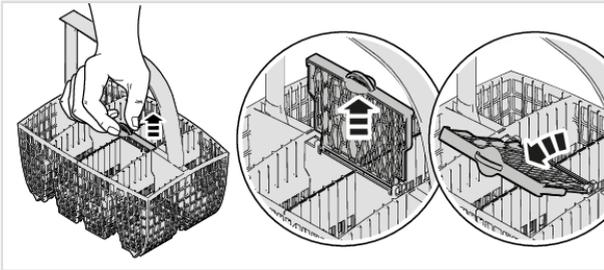
Place the cutlery basket in the lower basket.

WARNING!

Knives and other sharp must be placed horizontally in the dishwasher's special cutlery baskets to prevent damage to the dishwasher tub and risk of cut type injuries.

Fold-down section for small items

The cutlery basket has a fold-down section in the middle for small items or small shafts (such as electric whisk attachments).



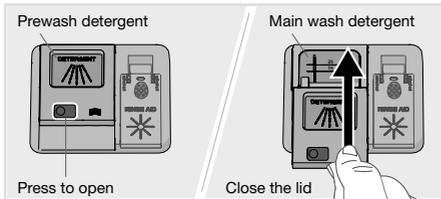
NOTE!

Check that the spray arms can rotate freely.

Using the dishwasher

Add detergent

Follow the instructions on the detergent packaging.



Too much detergent can result in less effective dishwashing and also entails greater environmental impact.

The detergent compartment must be dry when adding detergent. There is one compartment for the prewash and one for the main wash. If dishwasher detergent powder or dishwasher detergent gel is used, you can add a small amount of the detergent to the prewash compartment. If you have questions about the detergent, contact the detergent manufacturer.

NOTE!

Use only dishwasher detergent! Washing up liquid must not be used as the foam that forms prevents the dishwasher from operating effectively.

All-in-one detergent

There are many types of all-in-one detergents on the market. Read the directions for these products carefully.

Activate the TAB setting when using an all-in-one detergent that contains rinse aid.

Dishwasher tablets are not recommended for programs lasting less than 75 minutes. Use dishwasher detergent powder or dishwasher detergent gel instead.

NOTE!

Optimum washing and drying results are achieved by using dishwasher detergent together with separately dispensed rinse aid.

Using the dishwasher



On/Standby mode

Open the door and press . Also turn the water tap on if it is turned off.

NOTE!

The control panel only reacts to use when the door is open.

Select program

Select a program to suit the type of dishes and how dirty they are.

Press the desired program until it is activated, which is indicated by an indicator light.



Auto

The dishwasher can measure how dirty the dishes are and adjust water consumption and temperature accordingly. When newly installed, the program needs to be run five times before it is fully adapted and can provide the best results.



Eco

Use when you want to save water and energy. For normally soiled load, such as plates, serving dishes, cups, glasses and so on.

You can read more about greener dishwashing in the chapter *Greener dishwashing*.



Quick

A fast and effective program for slightly dried leftovers. (This program is not intended for burnt food such as oven dishes.)

The Automatic door opening option is important for ensuring the best drying results.



Intensive

A program with a high temperature for dissolving grease on very dirty dishes such as pans, casserole dishes and oven dishes. If these dishes do not completely fill the dishwasher, you can add plates and other dishes.



Glass

Use a gentle dishwashing program with a low temperature for washing fragile items made of crystal/glass. Remember to use a small amount of detergent and to place items so that they do not touch each other during the wash. See also *Fragile dishes* in the chapter, *Loading the dishwasher*. Porcelain that has just been used without dried leftovers can also be washed using this program.

Using the dishwasher



Hygiene

This program is designed to meet strict hygiene demands.



Night

A quieter dishwashing program, suitable for running at night. The program time is extended.



Self-clean

Self-cleaning program for hygienic cleaning of the dishwasher tub, spray arms and spray pipes.

This program should be run (with no dishes in the machine) using dishwasher detergent or citric acid. Special dishwasher cleaners are also available on the market. For the removal of limescale deposits, see *Dishwasher tub* in the chapter *Care and cleaning*.

NOTE!

CLn The dishwasher will indicate at regular intervals that Self-clean needs to be run.

72h

Anti-odour

Prevents bad odours from dirty dishes left in the dishwasher. Once the dishwasher door is closed, the fan is activated at regular intervals for 72 hours. (Only the dishwasher's fan is activated.)

Press  to activate the program, which is indicated by an indicator light.

Select option

Press the options to activate them. (The available options vary between programs.)



Delayed start

When you select Delayed start, the dishwasher will start in 1-24 hours after you have pressed the button  and closed the door.

1. Press  once to activate Delayed start. Press several times, or hold it in, to set the desired number of hours. The time for Delayed start is shown on the display.
2. Press . Close the door. The timer counts down and the dishwasher starts after the selected delay.

If you want to cancel the Delayed start option, open the door then press and hold  for three seconds.

Not available for: Self-clean



Speed wash

This option shortens the program time, but uses more energy and water.

Press  to activate the option. The program time is updated on the display.

Not available for: Auto , Glass , Hygiene , Night , Self-clean



Automatic door opening

The dishwasher door opens during the drying phase, which shortens the program time and improves the drying results. Wait until the dishwasher indicates that the program has ended and the dishes have cooled before unloading the dishwasher.

The drying time for the Automatic door opening option varies (from 5 to 90 minutes) depending on the model, program and temperature of the final rinse.

Press  to activate the option, which is indicated by an indicator light.

NOTE!

For the best drying results, do not close the door before the drying phase has finished and the machine has automatically switched off.



WARNING!

The dishwasher door must not be blocked or closed when opened automatically. Doing so may damage the door lock mechanism. Wait at least 5 minutes before closing the door.

72h

Anti-odour

Prevents bad odours from dirty dishes left in the dishwasher. Once the dishwasher door is closed, the fan is activated at regular intervals for 72 hours. (Only the dishwasher's fan is activated.)

Press  to activate the program, which is indicated by an indicator light.

Start/Stop

Press . The display will start to flash, indicating that the dishwasher is ready to start. Close the door properly, otherwise the dishwasher will not start.

Stopping or changing a program

Open the door. If you want to interrupt or change the program after starting the dishwasher, press and hold  for three seconds.

Top up with new detergent if the lid of the detergent dispenser has opened. Then select a new program, press  and close the door.

Time remaining

Once you have chosen a program and options, the time the program took when last used is displayed.

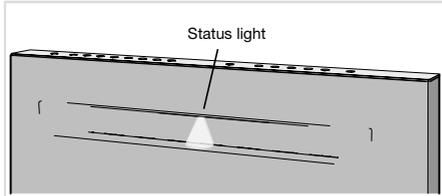
Using the dishwasher

Status light

The status light indicates that a program has started.

Flashing light

A flashing light indicates that the door has been opened while a program is in progress. If it flashes when the door is closed, an error has occurred. See the chapter *Troubleshooting*.



If you want to load more dishes¹⁾

Open the door. The dishwasher stops automatically. Add the dishes and close the door. After a while, the dishwasher continues the program.

Power failure

If the dishwasher is turned off due to a power failure when a dishwashing program is running, the program continues when power is restored. If the power is cut during drying, the program is interrupted.

If you open the door for more than 2 minutes during drying, the program will be interrupted.

Once the program has finished

Once the program has finished, "End" appears on the display. The end of the program is also indicated by one short signal sounding and the status light turning off.

The dishwasher automatically enters standby mode after the program has finished. Shut off the water tap after each use (if required by your insurance company).

For the best drying results

- Fully load the dishwasher.
- Angle dishes with hollows, such as cups, so that the rinse water will run off. This is also important for plastic items.
- Top up with rinse aid or increase the rinse aid dose setting.
- Activate the  Automatic door opening option.
- Allow the dishes to cool before unloading the dishwasher.

Unloading the dishwasher

Hot porcelain is more fragile. Leave the dishes to cool in the dishwasher before unloading them.

Unload the lower basket first to avoid any water drops from the upper basket falling onto the dishes in the lower basket.

¹⁾ You should not load more dishes if the lid of the detergent dispenser has been opened.

Program	Detergent (ml)	Options	Number of prewashes	Main wash	Number of rinses	Final rinse	Consumption values ¹⁾		
							Dishwashing time (approx. hrs:min)	Energy (approx. kWh)	Water cons. (liter)
 Auto	25	 ³⁾	1-2	45-65 °C	2-3	65 °C	2:10-3:10	0.9-1.4	11.5-19.0
 Eco 2)	25	 ³⁾	1	43 °C	2	37 °C	3:15	0.51	11.3
 Quick	25	 ³⁾		65 °C	3	65 °C	0:59	1.1	15.0
 Intensive	25	 ³⁾	2	70 °C	2	70 °C	2:45	1.6	16.0
 Glass	20	 ³⁾		45 °C	2	50 °C	1:30	0.7	10.0
 Hygiene	25	 ³⁾		70 °C	2	70 °C	1:15	1.3	11.0
 Night	25	 ³⁾	1	55 °C	2	65 °C	5:25	1.4	14.0

¹⁾ Consumption values vary depending on the temperature of the incoming water, room temperature, load size, selected additional functions and more.

²⁾ The energy label performance figures are based on this program, which is recommended for a normally soiled load at its rated capacity (Option: Automatic door opening).

³⁾ Automatic door opening

Settings

1. Open the door and press ϕ .
2. To open the dishwasher settings menu, press and hold \square and \odot until SEt is shown on the display.
3. Press \gg to move through the settings menu.
4. Press \square to move through the alternatives.
5. Confirm the selected setting by pressing \gg .
6. To exit the menu, skip through it or press ϕ .



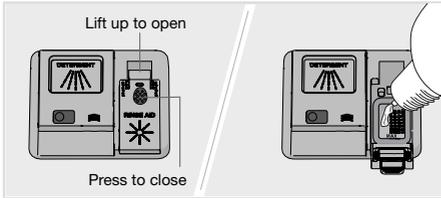
Settings	Alternatives	
Sounds	2:00 - 2:03 (2:00 Off)	A beep confirms that the display has been pressed. The buzzer indicates when a dishwashing program has ended. <i>Error messages are always indicated by a loud buzzer.</i>
Rinse aid	3:00 - 3:05 (3:00 Off)	Setting for rinse aid dosage. The rinse aid dispenser can be adjusted between 3:00 (Off) and 3:05 (High dosage). Increase the rinse aid dosage: <ul style="list-style-type: none"> • If the dishes have water marks. Decrease the rinse aid dosage: <ul style="list-style-type: none"> • If the dishes have a sticky white/blue film. • If the dishes are streaked. • Build-up of foam. If you have very soft water, the rinse aid can be diluted 50:50 with water. <i>Pre-selected at factory: 3:04</i>
TAB (All-in-one detergent)	5:00 (Off) 5:01 (On)	Activate this setting when using an all-in-one detergent that contains rinse aid. This setting reduces the rinse aid dose. <i>Pre-selected at factory: 5:00</i>
Error readout	F--	Any error messages. <i>When contacting the service department, you may be asked to provide the most recent error messages.</i>

Settings	Alternatives	
Restore factory defaults	rSt	Restores all settings to the factory defaults. Select rSt and confirm by pressing ▶□.
Exit	End	To exit the dishwasher settings menu, select End and press >>. (The menu closes automatically after three seconds.)

Care and cleaning

✱ Top up with rinse aid

When the rinse aid needs topping up, the above symbol lights on the display.



1. Open the rinse aid compartment lid.
2. Carefully top the rinse aid up to the marked level **MAX**.
3. Wipe up any splashes of rinse aid around the compartment.
4. Close the lid firmly.

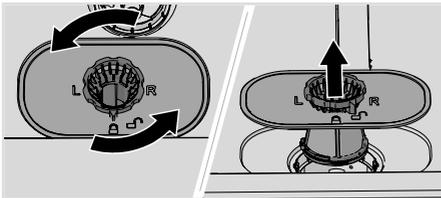
After topping up, it may take a while before the symbol goes out.

NOTE!

For water with a hardness greater than 10–12 °dH, you ought to use rinse aid with citric acid (known as acid rinse aid).

Clean the filter

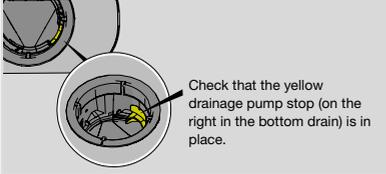
The filter traps larger food particles, which cannot get past the drainage pump. Empty the filter when necessary. It should be cleaned at regular intervals depending on how often the dishwasher is used.



1. Turn the locking ring anticlockwise and lift the filter straight up.
2. Empty and clean the filter.
3. Refit the filter and turn the locking ring clockwise to its stop position. Check that the edges seal properly.

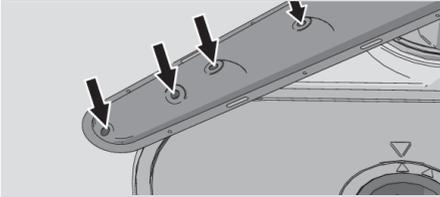
NOTE!

Dishwashing results may be affected if the filter is incorrectly fitted. The dishwasher must not be used without the filter in place!



Cleaning the spray arms

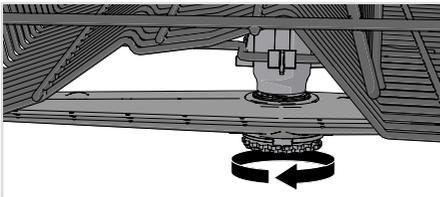
Holes and bearings can sometimes become blocked. Remove any debris using a pin or something similar. The spray arms also have holes on their undersides.



To facilitate cleaning, you can remove the spray arms. Remember to fit them firmly back into place after cleaning.

Upper spray arm

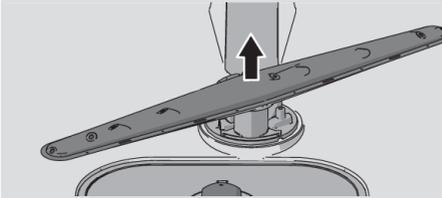
- Pull out the upper basket.
- Unscrew the spray arm bearings counterclockwise to remove the spray arm from the upper basket.



Care and cleaning

Lower spray arm

- Pull the lower spray arm straight up to release it.



Clean the outside of the dishwasher

Door and door seal

Open the door. Clean the sides of the door and the door seal regularly with a slightly damp cloth. Clean the door seal at the lower front edge of the dishwasher with a washing-up brush.

Display

Keep the control panel clean. Use a dry or slightly damp cloth and, if necessary, a little washing up liquid. Avoid strong or abrasive cleaners – they may damage the surface.

CLn - Run the Self-clean program

Dishwasher tub

The dishwasher tub is made of stainless steel and is kept clean through normal use (when used regularly).

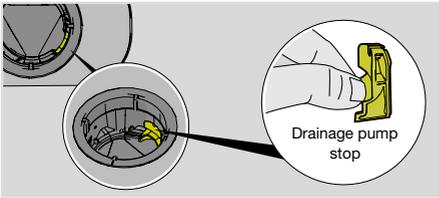
If you have hard water, limescale deposits may build up in the dishwasher. If this happens, run the Self-clean program with two tablespoons of citric acid in the detergent compartment (with no dishes in the machine). Special dishwasher cleaners are also available on the market.

Remove blockages

Unblocking the drainage pump

If the dishwasher still contains water after the program has finished, something may be blocking the drainage pump, which results in the error message Water outlet fault or BLDC drain pump fault.

1. Turn the machine off using \odot and remove the plug from the wall socket.
2. Remove the coarse filter and the fine filter.
3. Scoop out the water from the dishwasher tub.
4. In order to inspect the drainage pump, remove the yellow drainage pump stop on the right in the bottom drain. (Use a pair of pliers if necessary.)
5. Turn the pump wheel located behind the drainage pump stop by hand. Carefully remove any items.
6. Refit the drainage pump stop along with the fine and coarse filters.
7. Plug the machine in again.



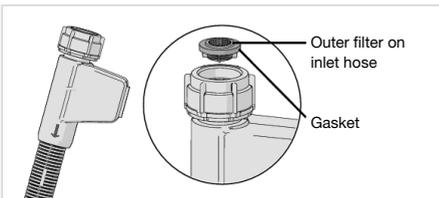
NOTE!

Do not forget to refit the drainage pump stop.

Unblocking the inlet hose filter

If the water supply contains small particles, the outer filter on the inlet hose may become blocked, which results in the Water inlet fault error message.

1. Turn the machine off using \odot and remove the plug from the wall socket.
2. Turn off the water tap.
3. Unscrew the inlet hose.
4. Carefully remove the outer filter from the inlet hose and clean it.
5. Refit the filter and check that the gasket is correctly positioned.
6. Screw the inlet hose firmly into place.
7. Plug the machine into the wall socket and turn on the water tap. Allow the pressure to settle for a while and check that the connection is watertight.



Winter storage/transport

Store the dishwasher above freezing temperature and avoid long transport distances in very cold weather. Transport the dishwasher upright or laying on its back.

Water must be removed from the machine before the dishwasher is transported anywhere or before being stored for long periods.

Troubleshooting

Error messages		Action
F10	Overfilling water	Unblocking the drainage pump. See the chapter, <i>Care and cleaning</i> . If the problem persists, contact your nearest service centre.
F11	Water outlet fault	See "Water remains in the dishwasher" under "Problem" in the table below. If the problem persists, contact your nearest service centre.
F12	Water inlet fault	<p>Check whether dishwasher inlet hose is connected to a pressure limiting valve (some pressure limiting valves may restrict the supply of water to the dishwasher).</p> <p>Check that the water tap is on. Check that the outer filter on the inlet hose is not blocked. See <i>Unblocking the inlet hose filter</i> in the chapter, <i>Care and cleaning</i>. If the problem persists, contact your nearest service centre.</p>
F40	Inlet valve leakage	Turn the water tap off and contact your nearest service centre.
F41	Heater fault 1	Turn the water tap off. Remove the plug from the wall socket and contact your nearest service centre.
F45	Diverter fault	Run any dishwashing program. If the problem persists, contact your nearest service centre.
F52	Water level fault	Clean the coarse and fine filters. Check that the outer filter on the inlet hose is not blocked. If the problem persists, contact your nearest service centre.
F54	Overfilling water	<p>Turn the water tap off and contact your nearest service centre.</p> <p>To avoid water leaking outside the dishwasher, do not remove the plug from the wall socket until the water tap on the supply line has been turned off!</p>
F56	Circulation pump fault	Run any dishwashing program. If the problem persists, contact your nearest service centre.
F67	Water inlet fault	<p>Check whether dishwasher inlet hose is connected to a pressure limiting valve (some pressure limiting valves may restrict the supply of water to the dishwasher).</p> <p>Check that the water tap is on. Check that the outer filter on the inlet hose is not blocked. See <i>Unblocking the inlet hose filter</i> in the chapter, <i>Care and cleaning</i>. If the problem persists, contact your nearest service centre.</p>
F68	BLDC drain pump fault	See "Water remains in the dishwasher" under "Problem" in the table below. If the problem persists, contact your nearest service centre.

Press any button to clear the error message.

Problem	Possible causes	Action
The display does not react when pressed.	You have pressed the display too soon after opening the door.	Wait a moment then try again.
	The door is closed.	Open the door. The display only reacts to use when the door is open.
	Dirt on the display.	Clean with a dry or slightly damp cloth and, if necessary, a little washing up liquid. Avoid strong or abrasive cleaners – they may damage the surface.
	The control panel needs calibration.	Turn off the water tap. Unplug from the powerpoint and wait for 60 seconds. Then plug the appliance back into the powerpoint and turn on the water tap.
Cannot close door.	The baskets are not correctly positioned.	Check that the baskets are correctly positioned horizontally.
		Check that the dishes are not blocking the baskets from sliding properly into place.
	The door lock does not click into place and lock.	<p>Check the door lock. If it does not click into place and lock, open the door.</p> <p>Press and hold  Automatic door opening until the display starts counting down. Wait until the countdown ends (60 seconds). Close the door. Check that the door lock clicks into place and locks.</p>

Troubleshooting

Problem	Possible causes	Action
The dishwasher does not start.	▷□ has not been pressed.	Press ▷□. The display starts counting down.
	The door is not properly closed.	Check.
	The dishwasher has been opened while a program is in progress.	Close the door and wait. After a while, the dishwasher continues the program.
	The door lock has not clicked into place and locked.	<p>Check the door lock. If it does not click into place and lock, open the door.</p> <p>Press and hold  Automatic door opening until the display starts counting down. Wait until the countdown ends (60 seconds). Close the door. Check that the door lock clicks into place and locks.</p>
	Check that the Delayed start option has been selected.	Press and hold ▷□ for three seconds if you want to cancel the Delayed start option.
	The plug is not plugged into the wall socket.	Check.
	A fuse/circuit breaker has been tripped.	Check.

Problem	Possible causes	Action
The dishes are not clean.	The spray arms are not rotating freely.	Check that the dishes are not blocking the spray arms.
	Spray arm holes or bearings blocked.	Clean the spray arms. See Chapter <i>Care and cleaning</i> .
	Unsuitable dishwashing program.	Select a program with a high temperature to dissolve grease on very dirty dishes, such as Intensive .
	Incorrect detergent dosage.	Dose according to water hardness. Far too much or far too little detergent results in poorer dishwashing results.
	Old detergent. Detergent is a perishable product.	Avoid large packages.
	Dishes loaded incorrectly.	Do not cover porcelain with large bowls or similar. Avoid placing very tall glasses in the corners of the baskets. See the chapter, <i>Loading the dishwasher</i> .
	Glasses and cups have toppled over during the program.	Place dishes to sit steady.
	The filters are clogged.	Clean the coarse and fine filters.
	The filters are not fitted correctly.	Check that the filters are fitted correctly. See the chapter, <i>Care and cleaning</i> .
	Drainage pump stop missing.	Check that the yellow drainage pump stop (on the right in the bottom drain) is in place. See the chapter, <i>Care and cleaning</i> .
Spots on stainless steel or silver.	Some foodstuffs, such as mustard, mayonnaise, lemon, vinegar, salt and dressings, can cause spots on stainless steel if left for too long.	Rinse off these types of foodstuffs if not starting the dishwasher immediately. Consider using Quick with the Speed wash option.
	All stainless steel can cause spots on silver if they come into contact during dishwashing. Aluminium can also cause spots on dishes.	In order to avoid marks and tarnishing, separate dishes made from different metals, such as silver, stainless steel and aluminium.

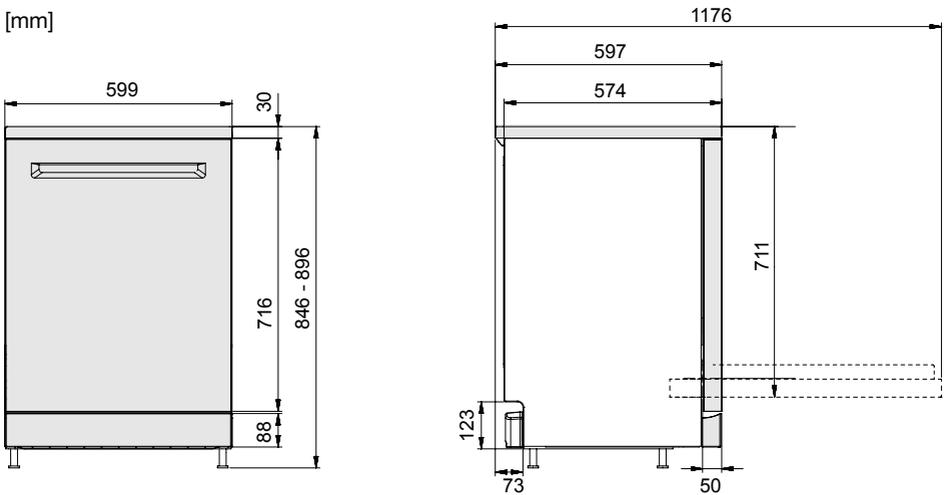
Troubleshooting

Problem	Possible causes	Action
Spots or films on the dishes.	Incorrect rinse aid dosage setting.	See the chapter <i>Settings</i> .
	The setting TAB is activated and all-in-one detergent with insufficient drying effect is being used.	Change all-in-one detergents or deactivate the TAB setting and top up with separate rinse aid. See Rinse aid in the chapter, <i>Settings</i> .
	Too high temperature and/or too much detergent can cause etching on crystal. Unfortunately, this cannot be repaired, only prevented.	Wash crystal at a low temperature using a small amount of detergent. If you have questions about the detergent, contact the detergent manufacturer.
The dishes have a sticky white/blue film.	Rinse aid dosage setting too high.	Reduce the dosage. See the chapter <i>Settings</i> . If you have very soft water, you may want to dilute the rinse aid 50:50 with water.
Spots left after washing.	Lipstick and tea/coffee stains can be difficult to remove.	Use a detergent with a bleaching agent.
Detergent residue in the detergent compartment after dishwashing.	The detergent compartment was damp when adding detergent.	The detergent compartment must be dry when adding detergent.
	The detergent compartment is blocked.	Check that the dishes are not preventing the detergent compartment from opening.
Rattling sound when dishwashing.	The dishes are not correctly placed or the spray arms are not rotating freely.	Check that the dishes are placed securely. Spin the spray arms to make sure they can rotate.

Problem	Possible causes	Action
Water remains in the dishwasher.	The filters are clogged.	Clean the coarse and fine filters.
	The filters are not fitted correctly.	Check that the filters are fitted correctly. See the chapter, <i>Care and cleaning</i> .
	Debris in the drainage pump.	Clean the drainage pump. See the chapter <i>Care and cleaning</i> .
	Drainage pump stop missing.	Check that the yellow drainage pump stop (on the right in the bottom drain) is in place. See the chapter, <i>Care and cleaning</i> .
	Kink in drainage hose.	Check that the hose is free from kinks and sharp bends.
	Blocked drainage hose.	Disconnect the drainage hose where it connects to the sink unit's water trap. Check that no debris has fastened and that the connection has an inner diameter of at least 14 mm.
Bad odour in dishwasher.	Dirt around the seals and in corners.	Clean with washing-up brush and low foaming cleaner.
	Low temperature programs have been selected for a prolonged period.	Run a program with a high temperature once or twice a month. Or run a self-cleaning program. See Self-clean in the chapter <i>Using the dishwasher</i> .
Grease deposits in the dishwasher.	Low temperature programs have been selected for a prolonged period.	Select a program with a high temperature to dissolve grease on very dirty dishes, such as Intensive . Or run a self-cleaning program. See Self-clean in the chapter <i>Using the dishwasher</i> .
The dishes are not dry enough.	The  Automatic door opening option is not activated.	Activate the  Automatic door opening option.
	The dishwasher is not fully loaded.	Fully load the dishwasher.
	Rinse aid needs topping up or dosage is set too low.	Top up with rinse aid or increase the rinse aid dose setting.
	The setting TAB is activated and all-in-one detergent with insufficient drying effect is being used.	Change all-in-one detergents or deactivate the TAB setting and top up with separate rinse aid. See Rinse aid in the chapter, <i>Settings</i> .

Installation

[mm]



Nominal dimensions. Actual measurements may vary.

Safety instructions

- Connections to electricity, water and drainage must be performed by a qualified professional.
- Always follow applicable regulations for water, drainage and electricity.
- Take care during installation! Wear protective gloves! There must always be two people!
- Before fastening the dishwasher, test the dishwasher by running the Quick program with the Speed wash option. Check that the dishwasher fills with water and drains. Check also that none of the connections leak.

WARNING!

The ventilation opening in the lower part of the door must not be blocked by a rug, carpet or similar furnishing.

WARNING!

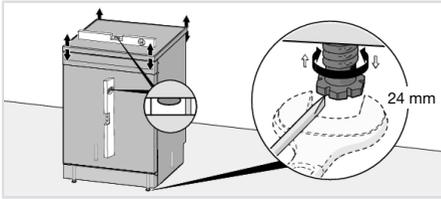
Turn off the water supply when installing the dishwasher!

The plug must be disconnected or power to the socket turned off while the work is carried out!

Placing the dishwasher

The dishwasher can be installed under a worktop or freestanding. Make sure the area on which the dishwasher is to be installed is firm.

Adjust the height and slide the dishwasher into place

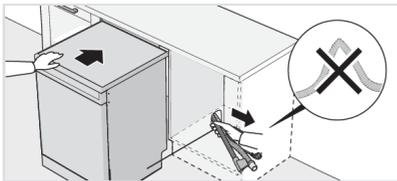


Freestanding

- Make sure the area on which the dishwasher is to be installed is firm. Adjust the dishwasher's height using the four feet so that the dishwasher is level. Also, check that the dishwasher door can be opened freely and is centred in the tub opening.

Built-in

1. Start by measuring the height from the floor to the bottom edge of the worktop.
2. Measure the height from the floor to the top edge of the dishwasher.
3. Adjust the dishwasher's feet by turning them clockwise to raise or anticlockwise to lower the machine.
4. Check that there is an air gap of at least 3 mm between the underside of the worktop and the top edge of the dishwasher.
5. Slide the dishwasher into place.
 - Pull the inlet and drainage hoses and the power cable when the dishwasher is slid into place.
 - Check that the drainage hose has no kinks or sharp bends. Also check that there is nothing that can damage the hoses.



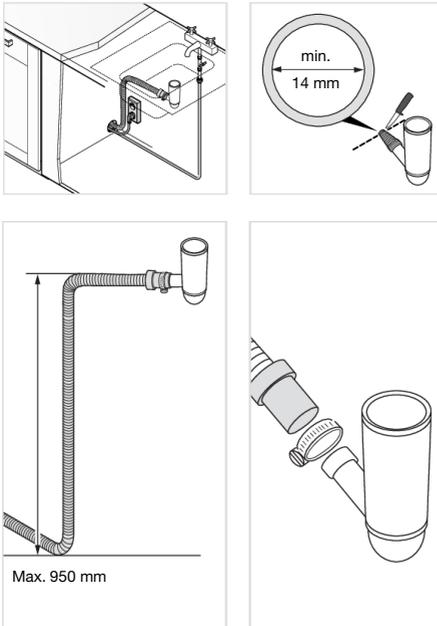
- Check that the machine is installed such that the door opens freely, otherwise door lock functionality may be disrupted.
6. Make any final adjustments to the front feet.

The dishwasher can also be installed in a recess without its worktop. See Remove dishwasher worktop.

Drainage connection

This dishwasher is suitable for installing in a raised recess (to attain an ergonomic working height). This means that the dishwasher can be placed so that the drainage hose runs to a lower level than the bottom of the dishwasher, such as by routing it directly to a floor drain.

Installation



The drainage hose can also be connected to a cone-shaped connection pipe on the sink unit's water trap. The connection pipe must have an internal diameter of at least 14 mm.

The drainage hose may be extended by a maximum of 3 m (the total length of the drainage hose must not exceed 4.5 m). Any joints and connecting pipes must have an internal diameter of at least 14 mm.

No part of the drainage hose may be more than 950 mm above the bottom of the dishwasher.

Attach the drainage hose with a hose clamp. Ensure that the drainage hose has no kinks.

Connection to water supply

Use only the inlet hose supplied with the dishwasher. Do not re-use old or other spare hoses.

The supply pipe must be fitted with a water tap (stopcock). The water tap must be easily accessible, so that the water can be shut off if the dishwasher has to be moved.

Once the installation is complete, turn on the water tap and allow the pressure to settle for a while. Check that all connections are watertight.

NOTE!

The water pressure must be between 0.03 and 1.0 MPa.

Connecting a dishwasher to the water supply via certain types of pressure limiting valves may restrict the water supply! This may cause the error message "Water inlet fault" to be displayed.

If the water pressure is higher than 1.0 MPa a pressure limiting valve must be fitted.

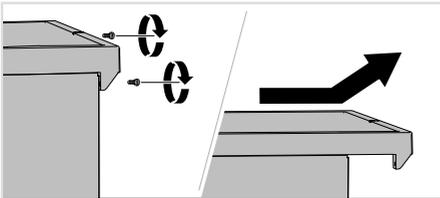
Electrical connection

Information about the electrical connection can be found on the compliance plate. This specification must match the electricity supply.

The dishwasher must be connected to an earthed wall socket.

The electric wall socket must be placed outside of the installation area to be easily accessible after installing the dishwasher. Do not use an extension cord!

Remove dishwasher worktop



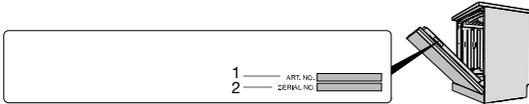
The dishwasher can be installed in a recess without its worktop. If the dishwasher's worktop is removed, the dishwasher must be installed so that it is enclosed on both sides and is under a separate worktop. If the dishwasher is installed so that one of its sides is visible, a brace must be fitted to the rear edge of the dishwasher. Accessories can be purchased where you purchased your dishwasher.

Service

Read the chapter *Troubleshooting* before contacting the service centre. If you have encountered a problem that you cannot resolve, please contact your nearest service centre for professional help.

When making contact, provide the details on the serial number plate. Include the article number (1) and the serial number (2).

Please note that non-professional repairs may risk user safety and affect the warranty.



Spare parts

The following spare parts are available for at least seven years after the model is no longer manufactured: Motor, circulation and drainage pump, heating element, pipes and hoses, valves, filters and aquastops, door attachment components, circuit boards, electronic display, pressure sensor, thermostats and sensors, software including restore programs.

The following spare parts are available for at least ten years after the model is no longer manufactured: Door hinges and seals, other seals, spray arms, drain filters, wire baskets and plastic accessories such as baskets and lids.

Number of program cycles

Press and hold  and  for 3 seconds to show Number of program cycles on the display.

(If the dishwasher has completed more than 999 cycles, the number of thousands is displayed followed by the number of cycles up to 999. For example: 1234 cycles is displayed as 001 followed by 234.)

Information on energy labelling

Australian standard:	AS/NZS 2007
Number of place settings:	14
Dishwashing programs:	Eco ¹⁾ , Automatic door opening
Program time:	3:15 hours:minutes
Connection:	Cold water 20 °C
Test method for noise measurement:	IEC 60704-2-3

¹⁾ *This dishwashing program is the standard cleaning cycle used to compile the energy labelling information. It is intended for washing a normally soiled load at its rated capacity and is the most effective program in terms of combined energy and water consumption.*

Technical data

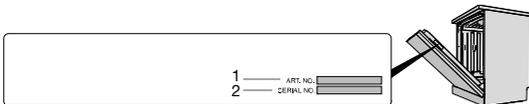
Height:	846-896 mm
Width:	599 mm
Depth:	597 mm
Weight:	40 kg ¹⁾
Water pressure:	0.03-1.0 MPa
Electrical connection:	See compliance plate
Rated power:	See compliance plate

¹⁾ *Weight can vary due to different specifications.*

Information for test institute

Request test institute information via e-mail dishwashers@appliance-development.com.

The request should include the details on the product's serial number plate. Include the article number (1) and the serial number (2).



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