

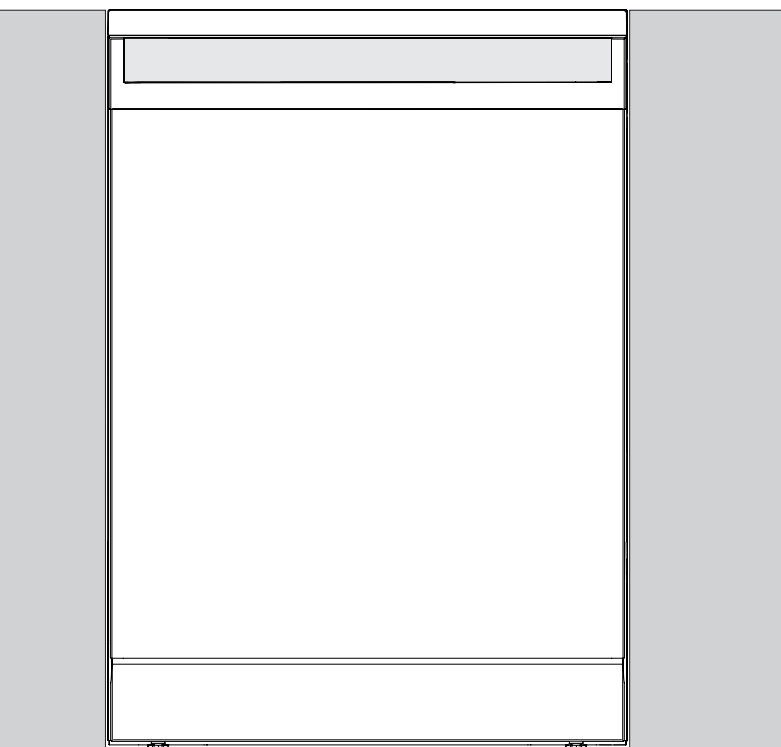
Operating Instructions

Dishwasher

HSGA16FW

HSGA16FS

HSGA16FB



Contents

Your dishwasher	4
Safety instructions	5
Installation	6
Winter storage/transport	6
Overflow guard function	6
Packaging	6
Disposal	7
Before washing for the first time	8
Water hardness	8
Set the Rinse aid	8
Top up with rinse aid	8
Greener dishwashing	9
The dishwasher saves energy and water	9
Loading the dishwasher	10
Fragile dishes	10
Loading affects the results	10
The dishwasher's baskets	10
Top cutlery tray	10
Upper basket	11
Lower basket	12
Using the dishwasher	13
Add detergent	13
The main power switch	13
PROGRAM - Select program	14
EXTRA - Select option	15
Starting the dishwasher	15
TIME - Time remaining	16
Stopping or changing a program	16
If you want to load more dishes	16
If the dishwasher is turned off due to a power failure	16
Once the program has finished	16
How to get the best drying results	16
Unloading the dishwasher	17
Program chart	18
Settings	19
Open the Settings menu:	19
You can now adjust the following settings:	19
Care and cleaning	20
Top up with rinse aid	20
Cleaning the filters	20
Cleaning the spray arms	21
Clean the dishwasher inside and out	22
Remove blockages	22
Troubleshooting	24

Installation 29

Safety instructions 29

Transport protection for the door 29

Placing the dishwasher 30

Adjust the height and slide the dishwasher into place 30

Attach the plinth 31

Drainage connection 31

Connection to water supply 32

Electrical connection 32

Remove dishwasher worktop 33

Service 34

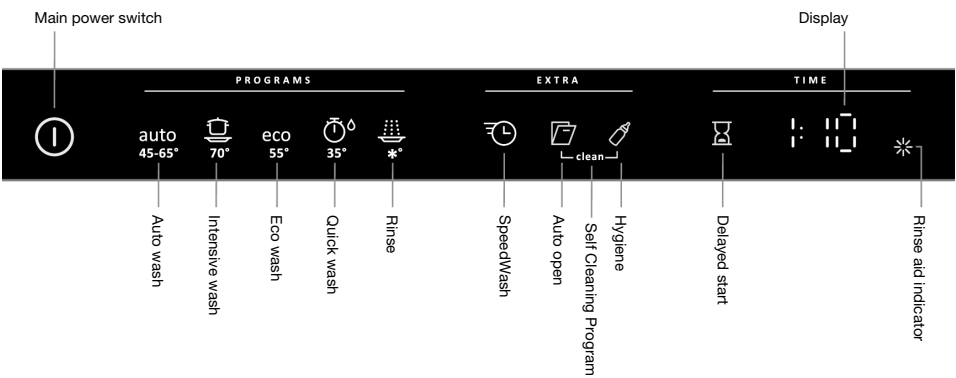
Technical information 35

Information on energy labelling 35

Technical data 35

Information for test institute 35

Your dishwasher



Install the dishwasher, see the chapter Installation. Following this, open the door and press the main power switch to start using the machine.

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.

Safety instructions

- Read the operating instructions and keep them in a safe place!
- Number of place settings: 16
- 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.
- Never leave the dishwasher door open as someone may trip on it.
- 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.
- Damaged mains cables must only be replaced by a qualified electrician.
- 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 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 sharp items must be placed horizontally in the dishwasher's special cutlery baskets.



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.

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.

Overflow guard function

The overflow protection starts pumping out the machine and turns off the water supply if the water level in the dishwasher exceeds the normal level. If the overflow protection is triggered, F54 appears on the display. Turn off the water supply and contact your nearest service centre.

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).

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 out the power cable and cut it as short as possible.

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

Before washing for the first time

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.

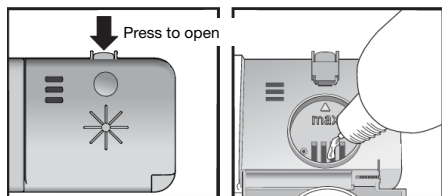
Set the Rinse aid

The chapter Settings describes how to set the rinse aid dosage.

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

✱ 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.



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

Greener dishwashing

The dishwasher saves 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

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 wash

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 – Auto open

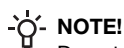
Better drying results are achieved if you use the Auto open option, which automatically opens the dishwasher door. Wait until the dishwasher indicates that the program has ended and the dishes have cooled before unloading the dishwasher. (If the dishwasher is built-in, the surrounding furnishings must be resistant to any condensation from the dishwasher.)

Connect to cold water

Connect the dishwasher to the cold water supply if the building is heated using oil, electricity or gas.

Connection to hot water supply

Connect the dishwasher to the hot water supply (max. 70 °C) if the building is heated using an energy-efficient means such as district heating, solar power or geothermal power. Choosing a hot water connection cuts dishwashing times and reduces the dishwasher's energy consumption.



NOTE!

Do not exceed the permitted water supply temperature. Certain materials used in some cookware cannot withstand high heat.

Loading the dishwasher

Fragile dishes

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



NOTE!

Check that the spray arms can rotate freely.

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.

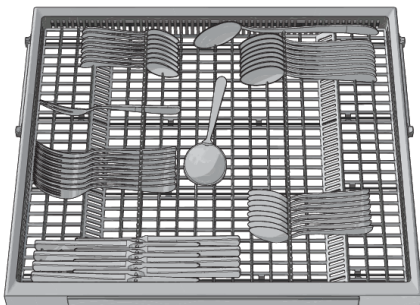


WARNING!

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

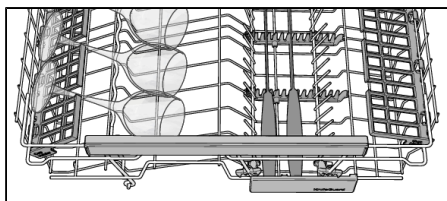
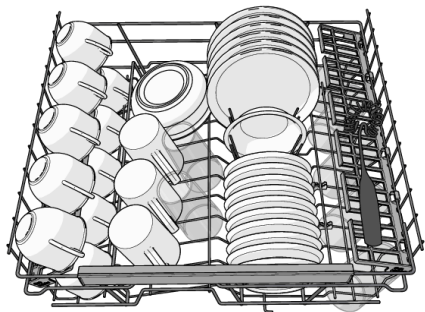
Top cutlery tray

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



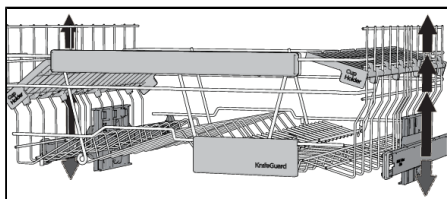
Upper basket

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 (if fitted).



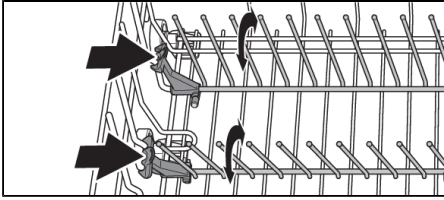
Raising and lowering the upper basket

1. Pull out the upper basket.
2. Grab the sides of the upper basket with both hands and lift it up.
3. Lift the basket repeatedly with both hands in order to change its position. (The upper basket can be set in three positions.) When the upper basket is in its highest position, lifting it will return it to its lowest position. Note that both sides of the basket must always be set to the same height (position).



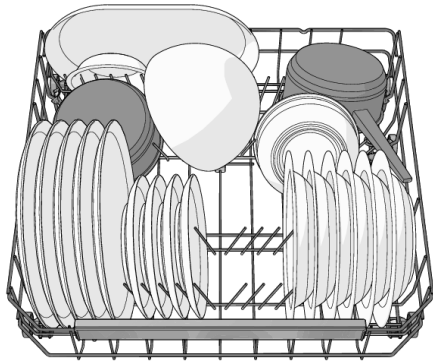
Foldable tines

The foldable tines can be folded up or down to make it easier to load pots, bowls and glasses. Release the foldable tines by pressing the catch inwards before adjusting their position.



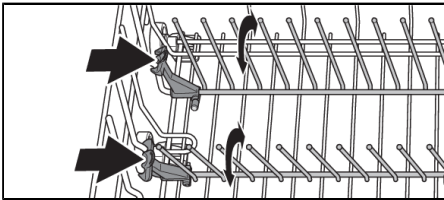
Lower basket

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



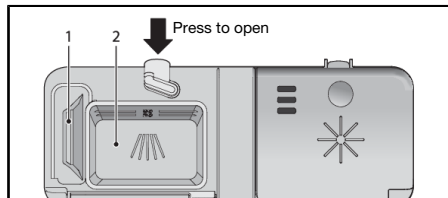
Foldable tines

Fold down the foldable tines (plate supports) when dishwashing pots. Release the foldable tines by pressing the catch inwards before adjusting their position.



Using the dishwasher

Add detergent



1. Prewash detergent compartment
2. Main wash detergent compartment

Detergent is added according to water hardness.

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 powder or liquid dishwasher detergent is used, add a small amount of the detergent to the prewash compartment. Contact the detergent manufacturer if you have questions about the detergent.



NOTE!

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

Dishwasher tablets

Halve the tablet if it is difficult to close the dispenser lid. There is a risk that the detergent will not be released properly if the lid is tight and will not open correctly.



NOTE!

Dishwasher tablets are not recommended for short programs (less than 75 minutes). Use powder or liquid dishwasher detergent instead.

All-in-one detergent

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

If the detergent tablets you use contain rinse aid, the dishwasher's rinse aid dosing can be deactivated. See the chapter Settings.



NOTE!

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



The main power switch

Press and hold the main power switch until the display turns on. Also check that the water tap is on.

PROGRAM - Select program

Press the desired program until the program symbol is lit up.

eco

55° Eco wash

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

auto

45-65° Auto wash

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.

auto

45-65° + + Rapid Intensive¹⁾

Rapid Intensive (Auto wash + SpeedWash + Auto open) is an effective program for slightly dried leftovers. (This program is not intended for burnt food, such as on oven dishes.)



70° Intensive wash

A program with a high temperature to dissolve 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 the like.



35° Quick wash

This program is used for glasses and porcelain that is slightly dirty, such as coffee cups.

In combination with SpeedWash, a shorter program is achieved (15 minutes).



*° Rinse

Used to rinse dishes while you wait for the dishwasher to become fully loaded.

clean Self Cleaning Program

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 normal dishwasher detergent or citric acid. Special dishwasher cleaners are also available on the market. For the removal of lime scale deposits, see Dishwasher tub in Chapter Care and cleaning.



Press and hold the option buttons for Self Cleaning Program to activate the program. Self Cleaning Program starts when the door is closed.

¹⁾ Program time 90 minutes.

EXTRA - Select option

To select an option, press one of the option buttons until the option is showing as activated. The available options vary between programs and some options cannot be combined (available options glow dimly).

SpeedWash

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

Auto open²⁾

The dishwasher door opens automatically, which improves the drying results. Wait until the dishwasher indicates that the program has ended and the dishes have cooled before unloading the dishwasher. (If the dishwasher is built-in the surrounding furnishings must be resistant to any condensation from the dishwasher.)

The drying time for the Auto open option varies between programs.

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.

Hygiene

This option is intended for situations where demands on hygiene are especially high, such as when dishwashing baby bottles and chopping boards. The temperature is higher in both the main wash and the final rinse.

Delayed start

When you select Delayed start the dishwasher will start 1-24 hours after you close the door.

1. Press the button once to activate Delayed start. Press the button several times – or hold it in – to set the desired number of hours.
2. Close the door and the dishwasher counts down 1 hour at a time and starts after the selected delay.

If you want to cancel the Delayed start option, open the door and press and hold the main power switch until the display turns off.

Starting the dishwasher

Close the door to start the dishwasher. If the main power switch is on, the dishwasher will start automatically when the door is closed.

²⁾ The Auto open option is pre-selected for some programs.

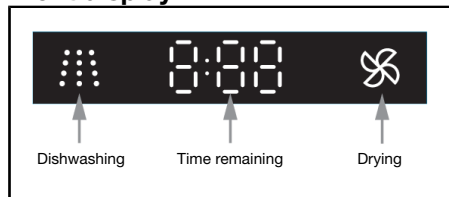
TIME - Time remaining

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

Once you have started the dishwasher, the display shows the remaining program time. The remaining time is updated after the water for the final rinse has been heated.

This may differ somewhat from time to time depending on the temperature of the water supply, the amount of dishes, the ambient temperature and other factors.

Front display



Stopping or changing a program

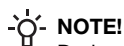
If you want to change program after starting the dishwasher, open the door, then press and hold the main power switch until the display turns off. Add more detergent if the lid of the detergent dispenser has opened. Then press the main power switch, choose a new program, and close the door.

If you want to load more dishes

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

If the dishwasher is turned off due to a power failure

If the dishwashing program was not finished, the interrupted program continues when power is restored.



NOTE!

During drying, the program is interrupted if the power is cut or the door is open for more than 2 minutes.

Once the program has finished

Once the program has finished, “End” appears on the display.

At the end of the program, you will hear a short beep. Chapter Settings describes how to change this function.

The dishwasher switches off automatically after the program ends. Turn off the water tap after each use.

Drying

For additional drying the door should be opened 35 mm upon completion of the drying cycle. For more information, see page 35 in the chapter Technical information.

How to get 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 dosage level.
- Activate the Auto open 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.

Program chart

PROGRAM - Program	Detergent, compartment 1 / 2 (ml)	EXTRA - Options	Prewashes	Main wash	Number of rinses	Final rinse	Consumption values ¹⁾		
							Dishwash- ing time (approx. hrs:min)	Energy (approx. kWh)	Water cons. (L)
Eco wash ²⁾	--- / 25	Auto open	2	55 °C	3	48 °C	2:48	0.74	12.7
Auto wash	--- / 25	Auto open	1-3	50-65 °C	2-3	65 °C	2:10-2:50	0.9-1.5	9.0-18.0
Intensive wash	10 / 25		2	70 °C	2	70 °C	2:55	1.6	15.0
Quick wash	--- / 10			35 °C	2	25 °C	0:20	0.2	10.0
Rinse	--- / ---				1	--- °C	0:07	0.01	3.0


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 normally soiled load at the rated capacity (Auto open).

Settings

Open the Settings menu:

- ①

eco
55° + 

1

First, open the door. Turn off the machine. Press and hold the main power switch until the display lights up.

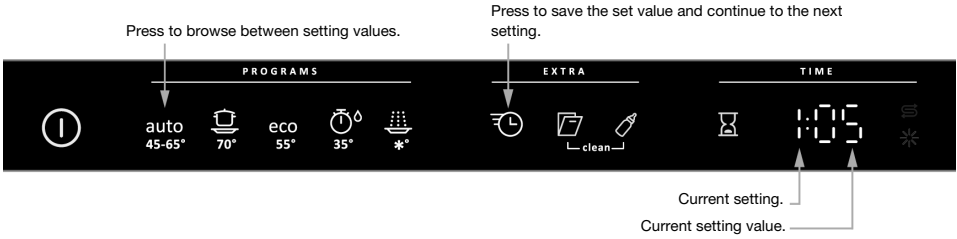
2

Within 10 seconds:
- press the program button for Eco wash and the option button for SpeedWash.

3

The display shows the Settings menu (current setting and its currently set value).
(Exit the menu by browsing through the menu or pressing the main power switch.)

Navigate the Settings menu:



You can now adjust the following settings:

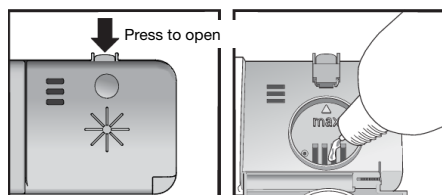
Settings		Options	
1	Rinse aid	1:00 - 1:05	<div>Rinse aid dosage setting. Increase the rinse aid dosage:<ul style="list-style-type: none">If the dishes have water marks. Decrease the rinse aid dosage:<ul style="list-style-type: none">If the dishes have a sticky white/blue film.If the dishes are streaked.Build-up of foam. If you have very soft water, the rinse aid can be diluted 50:50 with water. <i>Pre-selected at factory: 05</i></div>
2	Buzzer volume	4:00 - 4:03	<div>The dishwasher uses a buzzer to indicate when a program is finished or when a fault has occurred.</div>

Care and cleaning

✱ Top up with rinse aid

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

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



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

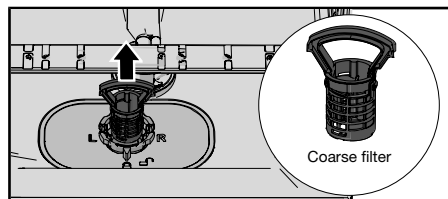
💡 NOTE!

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

Cleaning the filters

Coarse filter

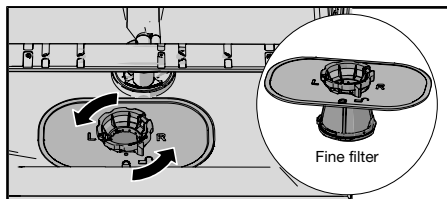
The coarse filter traps larger food particles, which cannot get past the drainage pump. Empty the coarse filter when necessary. It should be cleaned at regular intervals depending on how often the dishwasher is used.



1. Lift the coarse filter by the handle.
2. Empty the coarse filter.
3. Refit the coarse filter. Press it down until it clicks into place.

Fine filter

Debris that collects on the fine filter is automatically rinsed away during each wash. Clean the fine filter when necessary. It should be cleaned at regular intervals depending on how often the dishwasher is used.



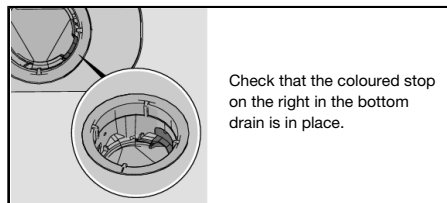
1. Turn the locking ring anticlockwise and lift the fine filter straight up.
2. Clean the fine filter.
3. Refit the fine filter and turn the locking ring clockwise to its stop position. Check that the edges seal properly.

Remember to refit the coarse filter!

NOTE!

Dishwashing results may be affected if the coarse and fine filters are incorrectly fitted. The dishwasher must not be used without the filters in place!

NOTE!

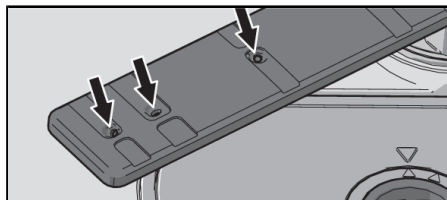


NOTE!

Dishwashing results may be affected if the coarse and fine filters are incorrectly fitted. The dishwasher must not be used without the filters in place!

Cleaning the spray arms

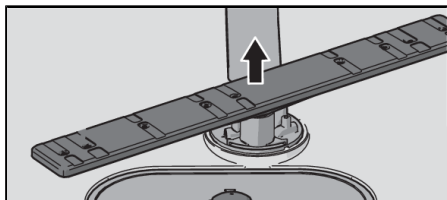
Holes and bearings can sometimes become blocked. Remove any debris using a pin or something similar. The spray arms also have holes on their undersides.



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

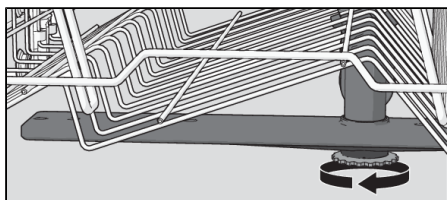
Lower spray arm

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



Upper spray arm

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



Clean the dishwasher inside and out

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 and buttons

Keep the display and the buttons clean. If necessary, wipe them with a dry or slightly damp cloth. Never use cleaning products – they may scratch the surface.

Use the main power switch to switch off the dishwasher when cleaning the buttons to avoid activating them inadvertently.

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 Cleaning Program 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

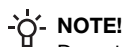
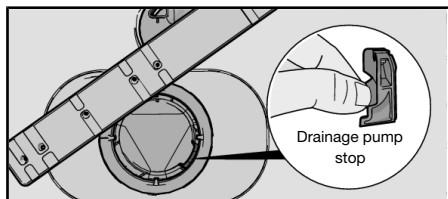
If the dishwasher still contains water after the program has finished, something may be blocking the drainage pump. Such blockages are easily removed.

1. Turn off the machine using the main power switch and unplug it 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 coloured stop on the right in the bottom drain.

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.

If the dishwasher still does not start and a whirring sound is heard, the overflow protection has been activated.

 - Shut off the water.
 - Remove the plug from the wall socket.
 - Call the service department.

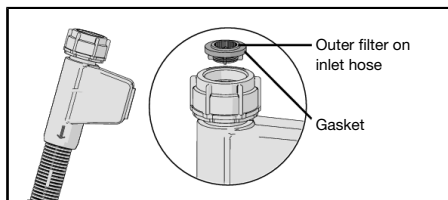


NOTE!
Do not forget to refit the drainage pump stop.

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 Water inlet fault.

1. Turn off the machine using the main power switch and unplug it 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.



Troubleshooting

Type of fault on the display		Action
F10	Overfilling	Clear the drainage pump. See the chapter Care and cleaning. If the problem persists, call the service department.
F11	Water outlet fault	See "Water remains in the dishwasher" in the table "Problem" below. If the problem persists, call the service department.
F12	Water inlet fault	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). Check that the water tap is on. Check that the outer filter on the inlet hose is not blocked. See Unblocking the inlet hose filter in the chapter Care and cleaning. If the problem persists, call for service.
F40	Inlet valve leakage	Turn off the water tap and call the service department.
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, call the service department.
F54	Overfilling	Turn off the water tap and call the service department.
F56	Circulation pump fault	Call the service department.
F67	Water inlet fault	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). Check that the water tap is on. Check that the outer filter on the inlet hose is not blocked. See Unblocking the inlet hose filter in the chapter Care and cleaning. If the problem persists, call for service.

Press any button to clear the error message.

Problem	Possible causes	Action
The buttons do not react when pressed.	You have pressed the buttons too soon after opening the door.	Wait a moment then try again.
	The buttons are dirty.	Clean with a dry or slightly damp cloth.
	The door is closed.	Open the door. The buttons only react to use when the door is open.
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.	Check the door lock. If it does not click into place and lock, open the door.

Table continued from last page

Problem	Possible causes	Action
		Press and hold the button for the Auto open option until the button starts flashing. Wait until it stops flashing (60 seconds). Close the door. Check that the door lock clicks into place and locks.
The dishwasher does not start.	The door is not properly closed.	Check.
	You have opened the dishwasher to add more dishes 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.	Check the door lock. If it does not click into place and lock, open the door. Press and hold the button for the Auto open option until the button starts flashing. Wait until it stops flashing (60 seconds). Close the door. Check that the door lock clicks into place and locks.
	A fuse/circuit breaker has been tripped.	Check.
	The plug is not plugged into the wall socket.	Check.
	The water tap is turned off.	Check.
	Overflow/leaks	Check.
	A whirring sound (the drainage pump) is heard from the dishwasher and does not stop when the main power switch is turned off.	Turn off the water tap. Pull out the plug and call the service department.
	Check that the Delayed start option has not been selected.	Press and hold the main power switch until the display turns off if you want to cancel the Delayed start option. Restart the dishwasher.
The dishes are not clean.	The spray arms do not rotate.	Remove the arms and clean them.
		Check that the dishes are not blocking the spray arms.
	Spray arm holes or bearings blocked.	Clean the spray arms. See Chapter Care and cleaning.

Table continued from last page

Problem	Possible causes	Action
	Unsuitable dishwashing program.	Select a program with a high temperature to dissolve grease on very dirty dishes, such as Intensive wash.
	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 the like. Avoid placing very tall glasses in the corners of the baskets.
	Glasses and cups have toppled over during the program.	Place dishes to sit steady.
	The filters are not fitted correctly.	Check that the filter handle is locked in the stop position.
	Drainage pump stop missing.	Check that the coloured stop on the right in the bottom drain is in place. See the chapter Care and cleaning.
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. Use the Rinse program.
	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.
Spots or films on the dishes.	Incorrect rinse aid dosage setting.	See the chapter Settings.
	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 and with a conservative amount of detergent. Contact the detergent manufacturer.
The dishes have a sticky white/blue film.	Rinse aid dosage setting too high.	Reduce the amount. See the sections Before washing for the first time and Settings. If you have very soft water, you may want to dilute the rinse aid 50:50 with water.

Table continued from last page

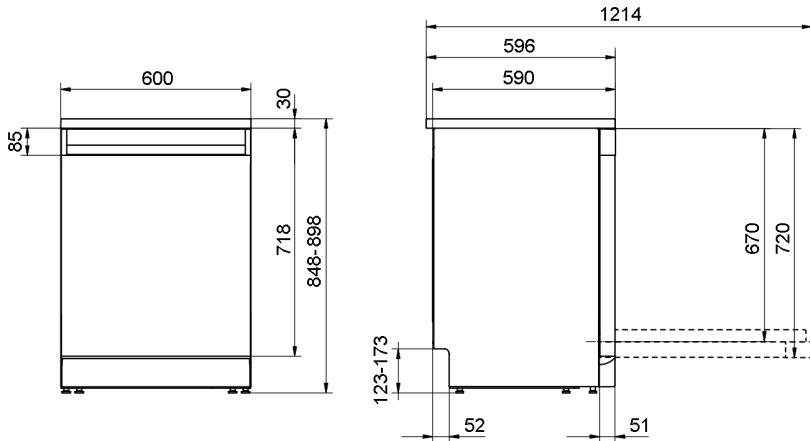
Problem	Possible causes	Action
Spots left after washing.	Lipstick and tea can be difficult to wash off.	Use a detergent with a bleaching agent.
Detergent residue in the detergent compartment after dishwashing.	The detergent compartment was damp when adding detergent.	The detergent compartment must be dry when adding detergent.
Rattling sound when dishwashing.	The dishes are not correctly placed or the spray arms are not rotating.	Check that the dishes are placed securely. Spin the spray arms to make sure they can rotate.
1 minute appears in the display.	The program is taking longer than estimated.	No action. The program time is stored and next time the program is run the corrected time will be displayed.
Water remains in the dishwasher.	The filters are blocked.	Clean the coarse and fine filters.
	The filters are not fitted correctly.	Check that the filter handle is locked in the stop position.
	Debris in the drainage pump.	Clean the drainage pump. See the chapter Care and cleaning.
	Drainage pump stop missing.	Check that the coloured stop on the right in the bottom drain is in place. See the chapter Care and cleaning.
	Kink in drainage hose.	Check that the hose is free from kinks and sharp bends.
Bad odour in dishwasher.	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.
	Dirt around the seals and in corners.	Clean with washing-up brush and low foaming cleaner.
Grease deposits in the dishwasher.	Low temperature programs have been selected for a prolonged period.	Run a program with a higher temperature about once a month. Or select the self-cleaning program. See Self Cleaning Program in the chapter Using 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 wash. Or run a self-cleaning program. See Self Cleaning Program in the chapter Using the dishwasher.

Table continued from last page

Problem	Possible causes	Action
The dishes are not dry enough.	The Auto open option is not activated.	Activate the Auto open 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 dosage. See the sections Before washing for the first time and Settings.

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 screwing the dishwasher into place, test the dishwasher by running the Rinse program. Check that the dishwasher fills with water and drains. Check also that none of the connections leak.



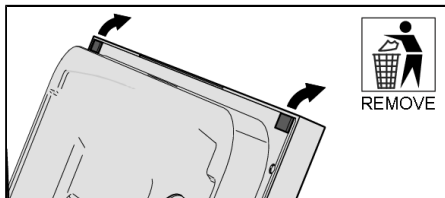
WARNING!

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!

Transport protection for the door

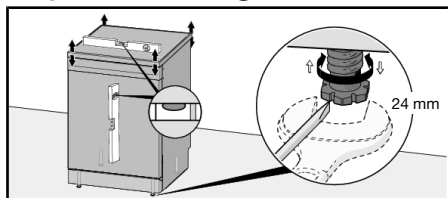
Do not forget to remove the transport protection for the door when unpacking the dishwasher.



Placing the dishwasher

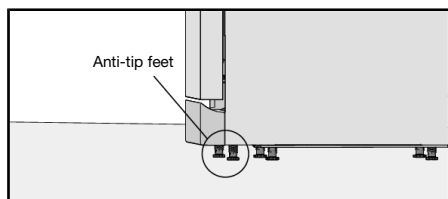
The dishwasher can be installed under a worktop or freestanding. Make sure the area on which the dishwasher is to be installed is firm.

Adjust the height and slide the dishwasher into place



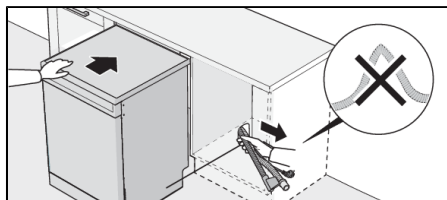
Freestanding

1. Make sure the surface on which the dishwasher is to be installed is firm. Adjust the dishwasher's height using its four feet so that the dishwasher is level. The dishwasher may not lean more than 5 mm.
2. Once the feet are properly adjusted, adjust the anti-tip feet to sit firmly against the floor.



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 front feet by turning them clockwise to raise and anticlockwise to lower the dishwasher. Lean the dishwasher forwards a little and adjust the rear foot with the screw at the front of the dishwasher. Turn clockwise to lower or anticlockwise to raise.
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 through the drainage and supply hoses when the machine is slid into place.
 - Check that the hoses have no kinks or sharp bends, and check that there is nothing that can damage the hoses.



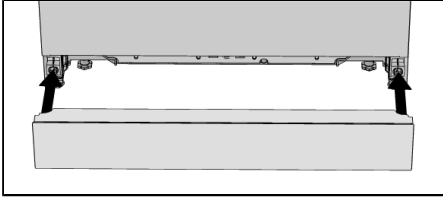
- Check that the machine is installed such that the door opens freely, otherwise door lock functionality may be disrupted.
6. Make any final adjustments to the front feet (the dishwasher may not lean more than 5 mm).

7. Once the feet are properly adjusted, adjust the anti-tip feet to sit firmly against the floor.

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

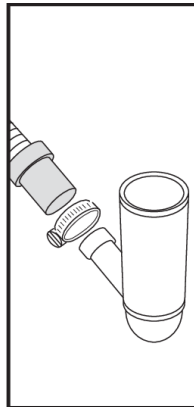
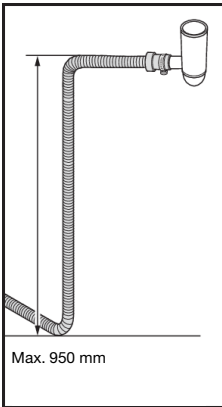
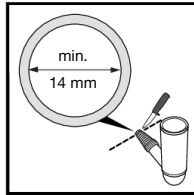
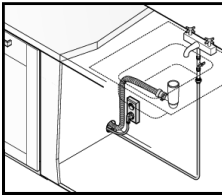
Attach the plinth

(Packed inside the dishwasher.)



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. The dishwasher is fitted with an integrated anti-siphon device to prevent the machine from being emptied of water during the wash cycle.



The drainage hose can also be connected to a connection nipple on the sink unit's water trap. The connection nipple 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 joins and connecting pipes must have an internal diameter of at least 14 mm. However, the drainage hose should ideally be replaced with a new hose without joins.

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.

Connection to cold water supply

Connect the dishwasher to the cold water supply if the building is heated using oil, electricity or gas.

Connection to hot water supply

Connect the dishwasher to the hot water supply (max. 70 °C) if the building is heated using an energy-efficient means such as district heating, solar power or geothermal power. Choosing a hot water connection cuts dishwashing times and reduces the dishwasher's energy consumption.



NOTE!

Do not exceed the permitted water supply temperature. Certain materials used in some cookware cannot withstand strong heat. See Fragile dishes in the chapter Loading the dishwasher.



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!

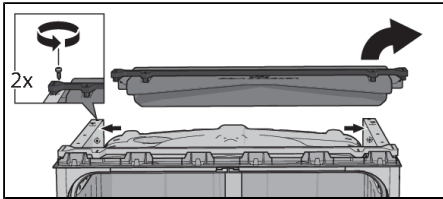
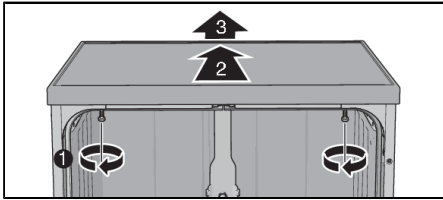


NOTE!

Electrical cable replacements as well as repairs and maintenance relating to safety or performance must be carried out by the manufacturer's service centre or someone similarly professionally qualified.

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.



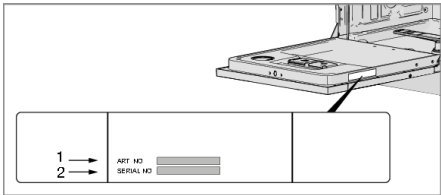
For recess installation, see the section Placing the dishwasher.

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.



Technical information

Information on energy labelling

Energy labelling

Australian standard:	AS/NZS 2007
Number of place settings:	16
Dishwashing programs:	Eco wash ¹⁾ , option Auto open
Program time:	2:48 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 normally dirty dishes and is the most effective program in terms of combined energy and water consumption.

Technical data

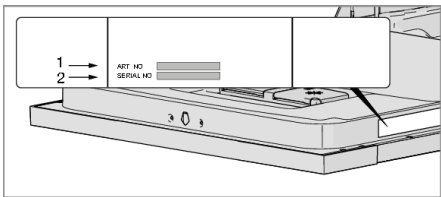
Height:	848-898 mm
Width:	600 mm
Depth:	596 mm
Weight:	54 kg ¹⁾
Water pressure:	0.03–1.0 MPa
Electrical connection:	See compliance plate
Rated power:	See compliance plate

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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