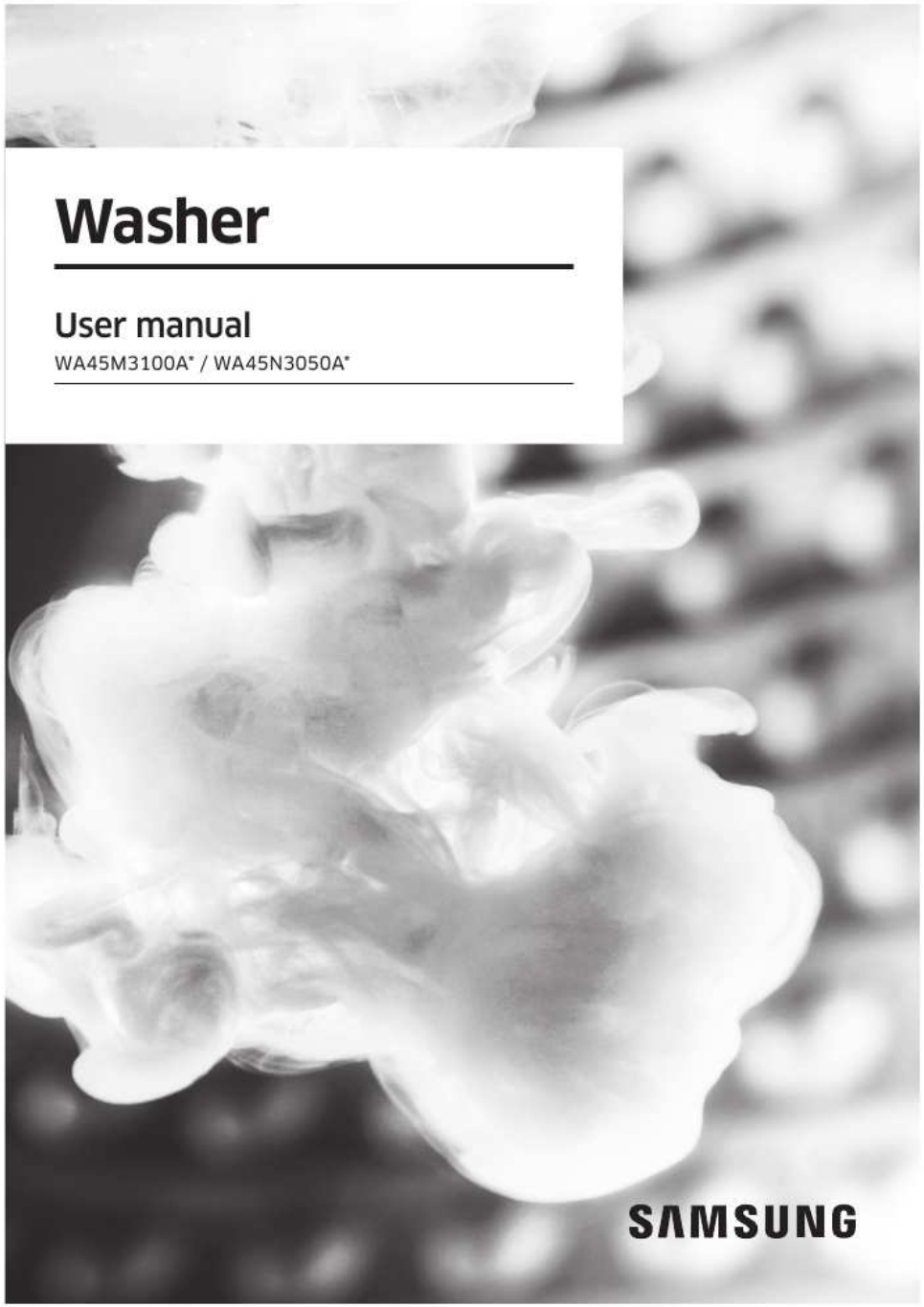
Washer

User manual

WA45M3100A* / WA45N3050A*



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Safety information

Congratulations on your new Samsung washer. This manual contains important information on the installation, use and care of your appliance. Please take some time to read this manual to take full advantage of your washer's many benefits and features.

What you need to know about the safety instructions

Please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance. Please store the manual in a safe location close to the appliance for future reference. Use this appliance only for its intended purpose as described in this instruction manual.
Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution and care when installing, maintaining and operating your washer.
Because the following operating instructions cover various models, the characteristics of your washer may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.

Important safety symbols

What the icons and signs in this user manual mean:

⚠ **WARNING**

Hazards or unsafe practices that may result in **severe personal injury, death and/or property damage**.

⚠ **CAUTION**

Hazards or unsafe practices that may result in **personal injury and/or property damage**.

NOTE

Indicates that a risk of personal injury or material damage exists.

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These warning signs are here to prevent injury to yourself and others.
Please follow them explicitly.
After reading this manual, store it in a safe place for future reference.

Read all instructions before using the appliance.

As with any equipment that uses electricity and moving parts, potential hazards exist. To safely operate this appliance, familiarize yourself with its operation and exercise care when using it.

⚠ WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Important safety precautions

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

1. Read all instructions before using this appliance.
2. Do not wash or dry articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry-cleaning solvents, other flammable or explosive substances as they give off vapors that could ignite or explode.
3. Do not allow children to play on or in the appliance. Close supervision of children is necessary when the appliance is used near children.
4. Before the appliance is removed from service or discarded, remove the lid of the washing or drying compartment.
5. Do not reach into the appliance if the drum is moving.
6. Do not install or store this appliance where it will be exposed to the weather.
7. Do not tamper with the controls.
8. Do not repair or replace any part of the appliance or attempt any servicing unless it is specifically recommended in the user-maintenance instructions or in published user-repair instructions that you understand and have the skills to carry out.

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Safety information

9. Do not add gasoline, dry-cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
10. Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for 2 weeks or more, before using a washer or combination washer-dryer, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

Critical installation warnings

⚠ **WARNING**

Plug the power cord into an AC 120 V / 60 Hz/wall socket rated at 15 amps or higher. Use the socket for this appliance only. In addition, do not use an extension cord.

- Sharing a wall socket with other appliances, using a power strip, or extending the power cord may result in electric shock or fire.
- Do not use an electric transformer. It may result in electric shock or fire.
- Ensure that the power voltage, frequency, and current match the product's specifications. Failing to do so may result in electric shock or fire.

Have this appliance installed by a qualified technician or service company.

- Failing to do so may result in electric shock, fire, an explosion, problems with the product, or injury.

Remove all foreign substances such as dust or water from the power plug terminals and contact points using a dry cloth on a regular basis.

- Unplug the power plug and clean it with a dry cloth.
- Failing to do so may result in electric shock or fire.

Plug the power plug into the wall socket in the right direction so that the cord runs towards the floor.

- If you plug the power plug into the socket in the opposite direction, the electric wires within the cable may be damaged and this may result in electric shock or fire.

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This appliance must be properly grounded.
Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- Improper grounding may result in electric shock, fire, an explosion, or problems with the product.
- Never plug the power cord into a socket that is not grounded correctly. Make sure the socket you use is grounded in accordance with local and national codes.

Do not install this appliance near a heater or flammable material.
Do not install this appliance in a humid, oily, or dusty location, or in a location exposed to direct sunlight or water (rain drops).
Do not install this appliance in a location where gas may leak.

- This may result in electric shock or fire.

Plug the power plug into the wall socket firmly. Do not use a damaged power plug, damaged power cord, or loose wall socket.

- This may result in electric shock or fire.

Do not pull or excessively bend the power cord.
Do not twist or tie the power cord.
Do not hook the power cord over a metal object, place a heavy object on the power cord, insert the power cord between objects, or push the power cord into the space behind the appliance.

- This may result in electric shock or fire.

Do not pull the power cord when unplugging the power plug.

- Unplug the power plug by holding the plug.
- Failing to do so may result in electric shock or fire.

If the power plug or power cord are damaged, contact your nearest service center.

Installation cautions

⚠ **CAUTION**

Position the appliance so that the power plug is easily accessible.

- Failing to do so may result in electric shock or fire due to electric leakage.

Install your appliance on a level and hard floor that can support its weight.

- Failing to do so may result in abnormal vibrations, noise, or problems with the product.

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Safety information

Unplug the power plug when the appliance is not being used for long periods of time or during a thunder/lightning storm.

- Failing to do so may result in electric shock or fire.

Critical usage warnings

⚠ **WARNING**

If the appliance is flooded, cut the power immediately and contact your nearest service center.

If the appliance emits a strange noise, a burning smell, or smoke, unplug the power plug immediately and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate the area immediately. Do not turn any appliance or light on or off.

- Do not use a ventilating fan.
- A spark may result in an explosion or fire.

Do not wash items contaminated with gasoline, kerosene, benzene, paint thinner, alcohol or other flammable or explosive substances.

- This may result in electric shock, fire, or an explosion.

Do not force the washer lid open while the washer is operating (high-temperature washing/drying/spinning).

- Water flowing out of the washer may cause burns or cause the floor to be slippery. This may result in injury.
- Forcing the lid open can damage the product or cause injury.

Make sure to remove the packaging (sponge, styrofoam) attached to the bottom of the washer before using it.

Do not insert your hand under the washer.

- This may result in injury.

Do not touch the power plug with wet hands.

- This may result in electric shock.

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Do not turn the appliance off by unplugging the power plug while the washer is in operation.

- Plugging the power plug into the wall socket again may cause a spark and result in electric shock or fire.

Keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over their head, the child may suffocate.

Do not let children or infirm persons use this washer unsupervised.

- Failing to do so may result in electric shock, burns or injury.

Do not insert your hand or a metal object under the washer while it is operating.

- This may result in injury.

Do not attempt to repair, disassemble, or modify the appliance yourself.

- Do not use any fuse (such as copper, steel wire, etc.) other than the standard fuse.
- If you need to repair or reinstall the appliance, contact your nearest service center.
- Failing to do so may result in electric shock, fire, problems with the product, or injury.

If any foreign substance such as water enters the appliance in any area other than the tub, unplug the power plug and contact your nearest service center.

- Failing to do so may result in electric shock or fire.

If the water supply hose comes loose from the faucet and floods the appliance, unplug the power plug.

- Failing to do so may result in electric shock or fire.

Usage cautions

⚠ **CAUTION**

If the washer is contaminated by a foreign substance such as detergent, dirt, food waste, etc., unplug the power plug and clean the washer using a damp, soft cloth.

- Failing to do so may result in discoloration, deformation, damage or rust.

The clear portion of the lid can be broken by a strong impact. Take care when using the washer.

- If the clear portion is cracked or broken, it may result in injury.

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Safety information

After a water supply failure or when reconnecting the water supply hose, open the faucet slowly.

Open the faucet slowly after a long period of non-use.
- The air pressure in the water supply hose or the water pipe may result in damage to a part or in water leakage.

If a drain error occurs during an operation, check if there is a draining problem.
- If the washer is used when it is flooded because of a draining problem, it may result in electric shock or fire due to electric leakage.

Do not insert your hand under the washer.
- This may result in injury.

Insert the laundry into the washer completely so that laundry does not get caught in the lid.
- If laundry gets caught in the lid, it may result in damage to the laundry or the washer, or result in water leakage.

Ensure that the faucet is turned off when the washer is not being used.
- Ensure that the water supply hose connectors are properly tightened.
- Failing to do so may result in property damage or injury.

Open the faucet and check if the water supply hose connector is firmly tightened and that there is no water leaking before using the product.
- If the water supply hose connectors are loose, it may result in water leakage.

Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.
- This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.
- This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.
- As well as being harmful to humans, it may also result in electric shock, fire, or problems with the product.

Do not place an object that generates a electromagnetic field near the washer.
- This may result in injury due to a malfunction.

Since the water drained during a high-temperature wash or drying cycle is hot, do not touch the water.
- This may result in burns or injury.

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For waterproof fabrics, only use the BEDDING / WATERPROOF cycle.

- Do not use other cycles for waterproof fabrics.
  This may result in injury or damage to the washer, walls, floor, or clothing due to abnormal vibrations.
- Set the temperature and spin according to the attached care label.

Do not operate the washer when the detergent dispenser is removed.

- This may result in electric shock or injury due to water leakage.

Do not insert your hand into the detergent dispenser after opening it.

- This may result in injury as your hand may be caught.

Do not place any non-laundry objects, such as shoes, food waste, or animals into the washer.

- This can cause abnormal vibrations that can damage the washer, and, in the case of pets, cause severe injury or death.

Do not press the buttons using sharp objects such as pins, knifes, fingernails, etc.

- This may result in electric shock or injury.

Do not wash laundry contaminated by oils, creams, or lotions usually found in skincare shops or massage clinics.

- This may result in the rubber seal becoming deformed and water leakage.

Do not leave metal objects (safety pins, hair pins, etc.) or bleach in the tub for long periods of time.

- This may cause the tub to rust.
- If rust appears on the surface of the tub, apply a neutral cleansing agent to the surface and use a sponge to clean it. Never use a metal brush.

Do not use dry cleaning detergent directly in the tub and do not wash, rinse, or spin laundry contaminated by dry cleaning detergent.

- This may result in spontaneous combustion or ignition due to heat from the oxidation of the oil.

Do not use hot water from water cooling/heating devices.

- This may result in problems with the washer.

Do not use natural hand-washing soap in the washer.

- If it hardens and accumulates inside the washer, it may cause problems with the product, discoloration, rust, or bad odors.

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Safety information

Do not wash large laundry items such as bedding in the washing net.
- Failing to do so may result in injury due to abnormal vibrations.
- Place smaller items, such as lace socks and lingerie in the washing net.

Do not use hardened detergent.
- If it accumulates inside the washer, it may result in water leakage.

Do not wash throw rugs or doormats.
- If you wash throw rugs or doormats, the sand will accumulate inside the washer. It may result in error such as no draining.

Critical cleaning warnings

⚠ **WARNING**

Do not clean the appliance by spraying water directly onto it.
Do not use the strong acid cleaning agent.
Do not use benzene, paint thinner, or alcohol to clean the appliance.
- This may result in discoloration, deformation, damage, electric shock, or fire.

Before cleaning or performing maintenance, unplug the appliance from the wall socket.
- Failing to do so may result in electric shock or fire.

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Installation

Follow these instructions carefully to ensure proper installation of the washer and to prevent accidents when using it.

⚠ **WARNING**

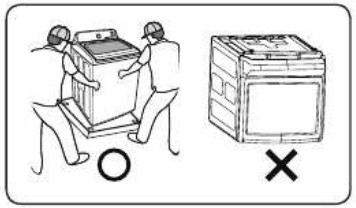
Control board, heat sink, motor, inlet valve and pump are intentionally not grounded and may present a risk of electric shock only during servicing.

Unpacking your washer

Unpack your washer and inspect it for shipping damage. Make sure you have received all the items shown below. If your washer was damaged during shipping, or you do not have all of the items, contact 1-800-SAMSUNG (1-800-726-7864).
To prevent personal injury or strain, wear protective gloves whenever lifting or carrying the unit.

⚠ **WARNING**

Packing materials can be dangerous to children; Keep all packing material (plastic bags, polystyrene, etc.) well out of children's reach.



⚠ **CAUTION**

When unpacking the washer, 2 person collaboration is needed. To remove the cushion bottom of the packing materials, forward dumping is strictly prohibited.

When you lay the washer down to remove carton base, should protect the side of washer and lay it carefully. Never lay your washer on its back or front.

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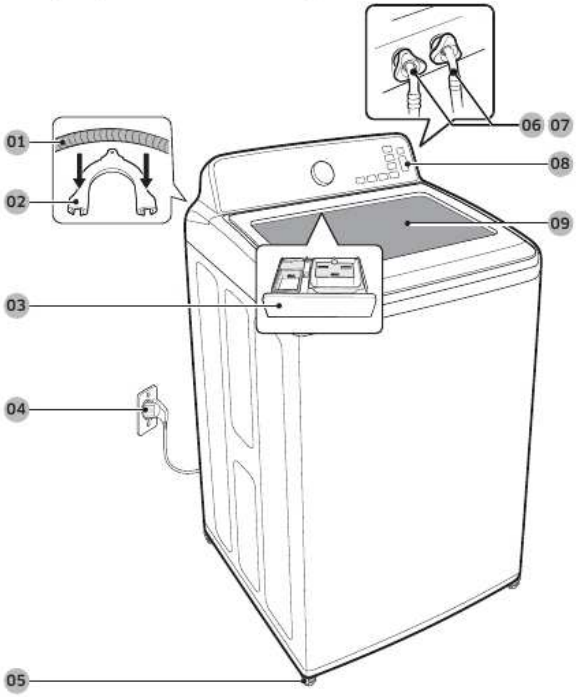
Installation

Overview of your washer

Make sure all the parts are included in the product package. If you have a problem with the washer or the parts, contact a local Samsung customer center or the retailer.



01 Drain hose	**02** Hose guide	**03** Detergent drawer
04 Power cord	**05** Leveling feet	**06** Water hose (Cold)
07 Water hose (Hot)	**08** Control panel	**09** Lid

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Parts supplied

Hose guide

User manual

Plastic zip hose tie

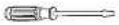
Water intake cap

Parts not supplied

Water supply hoses

Tools needed for installation

Wrench


Flat screwdriver

Leveller

Adjustable Plier

Measuring tape

NOTE

- If you lose an accessory and want to purchase a replacement, contact the Samsung service center (1-800-SAMSUNG (1-800-726-7864)).
- The design of the parts and accessories may differ from the pictures above. Their design is subject to change without notice for product improvement.
- Do not reuse old hoses. Only use new water supply hoses when you install the washer. Old water supply hoses can leak or burst causing flooding and property damage.
- Confirm that there are rubber washers inside each coupling of the water supply hoses.

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Installation

Basic location requirements

Electrical

- 120 Volt 60 Hz 15 AMP fuse or circuit breaker.
- Individual branch circuit serving only your Washer is recommended.
- Your washer is equipped with a power cord.

⚠ **CAUTION**

Never use an extension cord.

Grounding

Electrical grounding is required for this appliance.

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.
This appliance is equipped with a power cord having a three-prong grounding plug for use in a properly installed and grounded outlet.
The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠ **WARNING**

An improperly connected equipment-grounding conductor can increase the risk of electrical shock. Check with a qualified electrician or serviceman if you are not sure whether the appliance is properly grounded. Do not modify the plug provided with the appliance – if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

Important safety precautions

To prevent unnecessary risk of fire, electrical shock or personal injury, all wiring and grounding must be done in accordance with the National Electrical Code ANSI/FNPA, No.70 Latest Revision and local codes and ordinances. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

⚠ **CAUTION**

Never connect the ground wire to plastic plumbing lines, gas lines, or hot water pipes.

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Water

To correctly fill your Washer in the proper amount of time, water pressure of 20 to 116 psi (137 to 800 kPa) is required.
Water pressure less than 20 psi may cause water valve failure, or may not allow the water valve to shut off completely, or may extend the fill time beyond what your Washer controls allow, causing your Washer to turn off. A time limit is built into the controls to prevent flooding in your home if a hose becomes loose.
The water faucets must be within 4 feet (122 cm) to the back of your Washer to match the inlet hoses provided with your Washer.

NOTE

Accessory inlet hoses are available in various lengths up to 10 feet (275 cm) for faucets that are further away from the back of your washer.
To avoid the possibility of water damage:

- Have water faucets easily accessible.
- Turn off faucets when the washer is not in use.
- Periodically check that there is no leakage from the water inlet hose fittings.

WARNING

Check all connections at the water valve and faucet for leaks

Drain facility

The recommended height of the standpipe is 39 in (99 cm). The drain hose must be routed through the drain hose clip to the standpipe. The standpipe must be large enough to accept the outside diameter of the drain hose. The drain hose is attached to the washer at the factory.

Flooring

For best performance, you must install your washer on a solidly constructed floor. Wood floors may need to be reinforced to minimize vibration and/or unbalanced load situations. Carpeting and soft tile surfaces are contributing factors to vibration which can cause your washer to move slightly during the spin cycle.
Never install your washer on a platform or weakly supported structure.

Location considerations

Do not install your washer in areas where water may freeze, since your washer will always retain some water in its water valve, pump, and hose areas. Frozen water can damage the belts, the pump, hoses, and other components.

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Installation

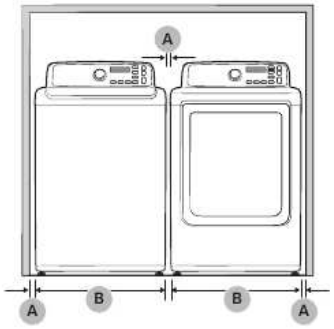
Alcove or closet installation

Minimum clearances for closet and alcove installations:

Sides	1 in / 25 mm	Closet front	2 in / 51 mm
Rear	6 in / 152 mm	Top	21 in / 533 mm

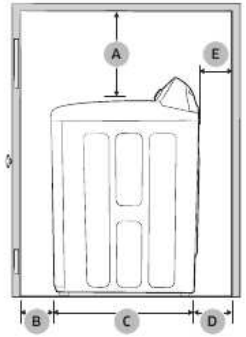
If the washer and dryer are installed together, the closet front must have at least a 72 in² (465 cm²) unobstructed air opening. Your washer alone does not require a specific air opening.

Recessed area



A	1 in (2.5 cm)
B	27.0 in (68.6 cm)

Side view - closet or confined area



A	21 in (53.3 cm)
B	2 in (5.1 cm)
C	29 7/16 in (74.4 cm)
D	6 in (15.2 cm)
E	Gap between end of water valve and the wall • Case 1. Assemble supply hose after installing : Over 4 in (10 cm). • Case 2. Assemble supply hose before installing : Over 3 in (8 cm).

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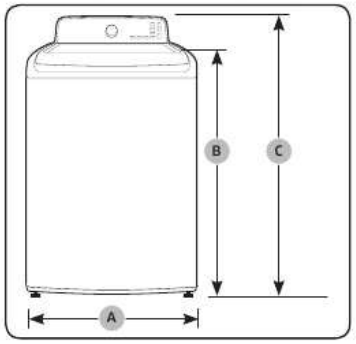
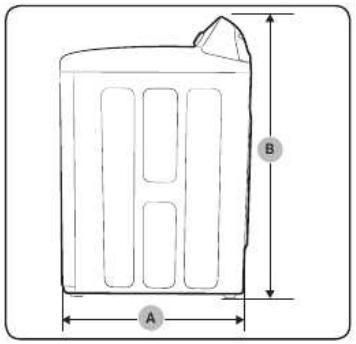
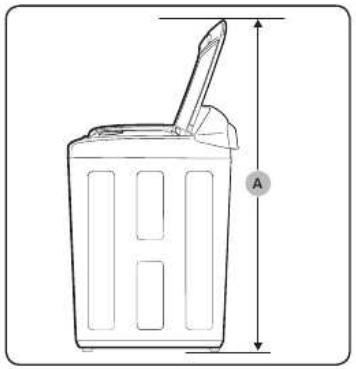
Required dimensions for Installation



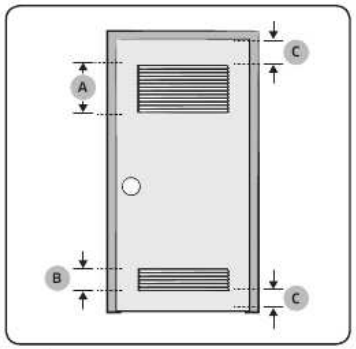
A	27.0 in (68.6 cm)
B	40.4 in (102.7 cm) (WA45M3100A*) 39.3 in (99.8 cm) (WA45N3050A*)
C	45.1 in (114.6 cm) (WA45M3100A*) 43.9 in (111.7 cm) (WA45N3050A*)



A	29.3 in (74.4 cm)
B	45.1 in (114.6 cm) (WA45M3100A*) 43.9 in (111.7 cm) (WA45N3050A*)



A	59.3 in (150.5 cm) (WA45M3100A*) 58.1 in (147.6 cm) (WA45N3050A*)



A*	48.0 in² (310.0 cm²)
B*	24.0 in² (155.0 cm²)
C	3.0 in (7.6 cm)

NOTE

* Required spacing

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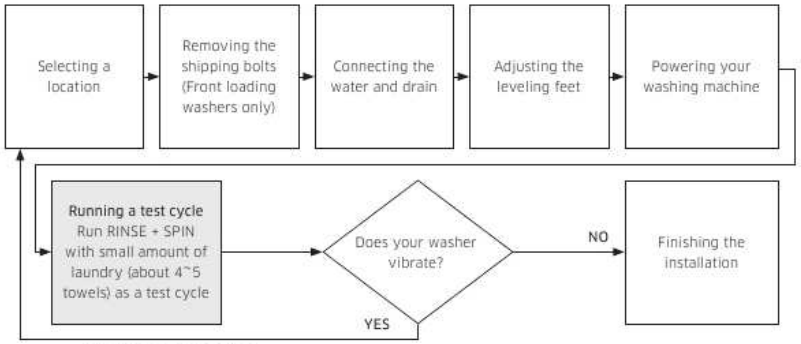
Installation

Important note to installer

Please read the following instructions carefully before installing your washer.
These instructions should be retained for future reference.
We recommend you hire a professional to install this washer.

Installation flow chart



Check again before steps.

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Step-by-step installation

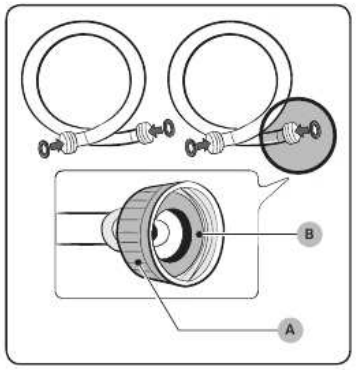
STEP 1 Selecting a location

NOTE

Before you install the washer, make sure the location:

- Has a hard, level surface without carpeting or flooring that may obstruct ventilation.
- Is away from direct sunlight.
- Has adequate ventilation.
- Is not exposed to freezing temperatures (temperatures under 32 °F or 0 °C).
- Is away from heat sources such as oil or gas.
- Has enough space so that the washer doesn't rest on its power cord.

STEP 2 Connecting the water supply hose



CAUTION

Before installing the water supply hoses, make sure there are **rubber gaskets (B)** inside the **couplings (A)** at both ends of each new water hose. Installing the water supply hoses without rubber gaskets can cause water leakage.

CAUTION

When you initially install the washer, be sure to use new hoses. Failing to do so may result in a water leakage or overflow and may damage your property.

CAUTION

Do not connect multiple water supply hoses together to increase the length of the supply hose. Hoses connected this way can leak and the leakage can cause electrical shock. If a hose is too short, replace the hose with a longer, high pressure hose.

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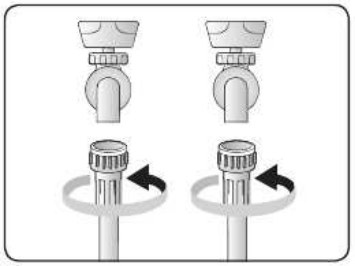
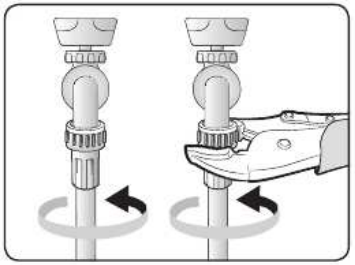
Installation





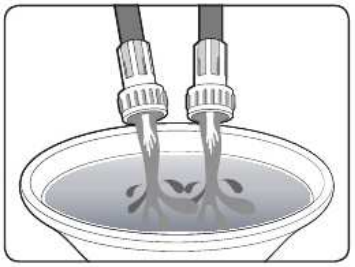
1. Connect the ends of the water supply hoses to the **hot** and **cold** faucets.
2. Tighten the fittings by hand until they are snug, and then tighten them an additional two-thirds of a turn with a plier.

CAUTION

When you fasten the fittings, do not fasten them too tightly or apply tape or sealant to the faucets or water supply intakes. This can damage the fittings.

NOTE

After you have connected the water supply hoses to the faucets, ensure that they are connected correctly by pulling the water supply hoses downwards.



3. Place the unconnected ends of the hoses into a bucket and open the faucets connected to the two water supply hoses for 10 or 15 seconds to remove any foreign substances from the hoses. Close the faucets before continuing.

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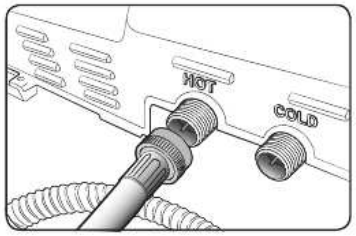

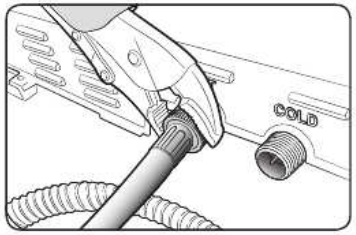

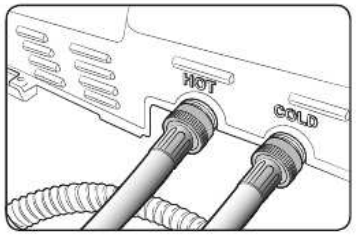

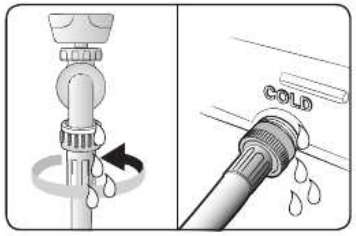

4. Connect the ends of the water supply hoses to the water supply intake connections at the back of the washer.

⚠ CAUTION

The water supply hose connected to the hot faucet must be connected to the hot water supply intake and the water hose connected to the cold faucet must be connected to the cold water supply intake.

5. Tighten the fittings by hand until they are snug, and then tighten them an additional two-thirds of a turn with a plier.

NOTE

To ensure correct water usage, connect both the hot and cold water faucets. If either or both are not connected, the **Cool** (no fill) LED will flash.

NOTE

If you do not want to use the hot water supply hose, insert the water intake cap into the hot water supply intake hole. In this case, you must select the **Cold** for the water temperature. If you select the **Cold**, all the lamps for the water temperature options are turned off.

⚠ CAUTION

Confirm that the water supply hoses are not twisted or bent. If the hoses are twisted or bent, the hoses can leak and cause electric shock due to the water leakage.

6. Turn on the hot and cold water supplies and check all the water supply intake connections and the faucets for water leaks.

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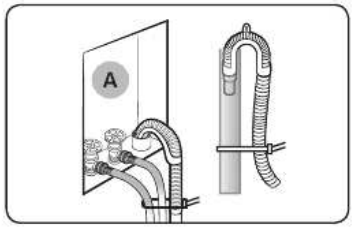
Installation

STEP 3 Connecting the drain hose



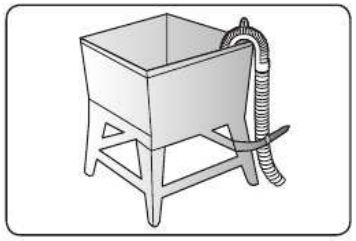
The end of the drain hose can be positioned in three ways:

In a Wall standpipe or Floor standpipe

The height of end of standpipe must be no lower than 39 in (99 cm) and no higher than 96 in (245 cm).
If drain pipe are built into the wall with water valves (A), fasten the drain hose to the water hose.

NOTE

- Make sure that the connection between the drain hose and the standpipe is not airtight.



In a laundry tub

The height of the tub must be no lower than 39 in (99 cm) and no higher than 96 in (245 cm).
Assemble the supplied Hose guide at the end of the drain hose, and put the hanger on laundry tub.
And fasten the drain hose to the leg of laundry tub.

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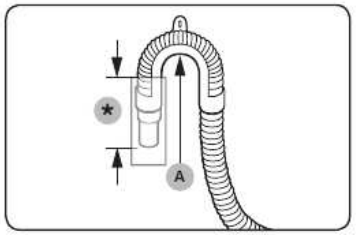


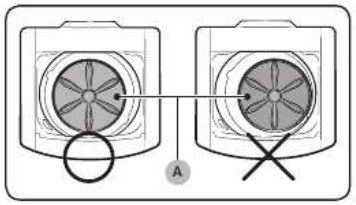
NOTE

Connect the hose guide (A) within 3~5 in (7.6~12.7 cm)* from the end of the drain hose. If the drain hose is extended beyond the end of the hose guide, mold or microorganisms could spread inside the washer.

NOTE

The drain hose can be installed to a 96 in (245 cm) maximum, but the draining capability can be reduced at this height. It can cause the washer to have an odor because of remaining water in the drain system.

STEP 4 Leveling your washer



See if the washer is level by checking the position of the tub:

1. Slide the washer into position.
2. Open the lid of the washer, and pour the water into the tub to just below the pulsator level.

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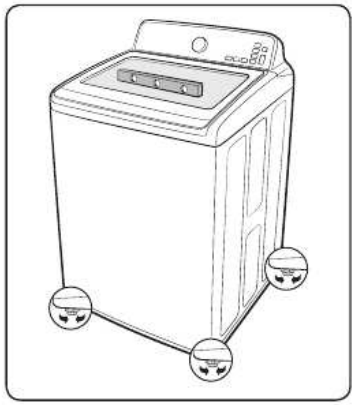
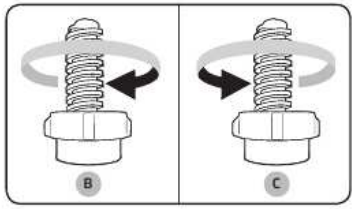
Installation





3. If the washer is level, the **pulsator (A)** is positioned at the center of the water as shown in the figure.
   If not, level your washer by turning the front leveling feet clockwise or counterclockwise as necessary.

NOTE

- Turn the front leveling feet **clockwise (B)** to lower the washer, and **counterclockwise (C)** to raise the washer.
- Number of leveling feet may differ depending on the models.

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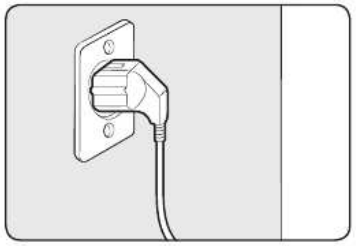
STEP 5 Powering your washer



Plug the power cord into a 3-prong, well grounded 120 volt 60 Hz approved electrical outlet protected by a 15-amp fuse or comparable circuit breaker.
Your washer is grounded through the third prong of the power cord when plugged into a three-prong grounded electrical outlet.

Test run

Make sure that you install your washer correctly by running the **RINSE + SPIN** after the installation is complete.

STEP 6 Running a test cycle

Run a test cycle as follows to check if your washer is properly installed.

1. Load about 6 pounds of laundry into the tub.
2. Press **POWER** to turn on your washer.
3. Select **RINSE + SPIN** by turning the **Cycle Selector**.
4. Press **START/PAUSE** to start the test cycle.
5. The washer should not rock or vibrate excessively when water is supplied or when washing or spinning, and should drain well during the spin cycle.

NOTE

If water leaks while water is being supplied or drained, check the water connections. Refer to the "**STEP 2 Connecting the water supply hose**" section on page **21** for instructions.

NOTE

If the washer rocks and vibrates excessively, level your washer again. Refer to the "**STEP 4 Leveling your washer**" section on page **25** for instructions.

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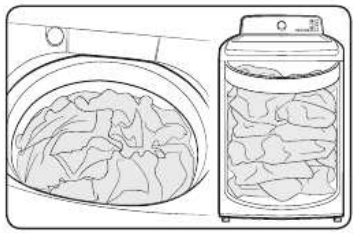
Operating instructions

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using your appliance, follow basic precautions, including the following:

Loading your washer



- Fill the tub with dry, unfolded clothes evenly around in order to enhance washing efficiency and prevent excess wear, or wrinkling of the load.
- For optimal washing performance, make sure the laundry is piled up evenly.
- Wash delicate items such as bras, hosiery, and other lingerie in the Delicates cycle with similar lightweight items.
- When washing big bulky items or a few smaller items that don't fill the tub completely – a rug, a pillow, stuffed toys, or one or two sweaters, for example – add a few towels to improve spin performance.
- Do not insert bulky items except for Bedding in this cycle.

NOTE

During the spin cycle, the washer may add additional water to redistribute the clothes and correct an imbalance inside the drum.

- When washing heavily soiled loads, do not overload your washer to ensure good cleaning results.

⚠ CAUTION

- Inflatable items may cause damage to the laundry or the machine during the wash or drying process.
- Regardless of the size, blankets or quilts are safer and cleaner to wash one item at a time. Two different-sized blankets in the same load may compromise the drying performance due to unbalanced loads.

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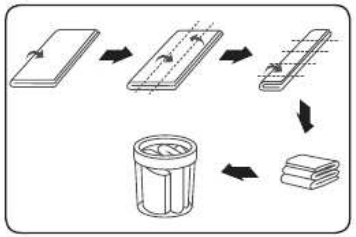

To input a blanket

Fold the blanket into the blanket-specific net as shown, and then insert in the tub below the plastic area of the tub.

⚠ **CAUTION**

Make sure the laundry is inserted completely.

- Any exposed part of the laundry may cause damage to the machine or the laundry itself, or a water leak.
- Do not overload the tub. Make sure no part of the laundry is exposed outside of the tub.

To add a forgotten item:

1. Press **START/PAUSE** to pause the washer.
2. Wait for the door to unlock automatically, and then open the door.
3. Add the item, close the door, and then press **START/PAUSE**. The cycle will resume.

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Operating instructions

Getting started

1. Load your washer.
2. Add liquid (or powder) detergent and additives to the dispenser (see the "**Detergent use**" section on page **37**).
3. Select the appropriate cycle and options for the load (see the "**Washing a load of laundry**" section page **31**).
4. Close the lid.
5. Press **START/PAUSE**.
6. The **Wash** Indicator illuminates.
7. The estimated cycle time will appear in the display.
   The time may fluctuate to indicate the time remaining in the cycle.

NOTE

The actual time required for a cycle may differ from the estimated time in the display depending on the water pressure, water temperature, detergent, and laundry.

8. Before your washer starts to fill, it will make a series of clicking noises to check the door lock and do a quick drain.

NOTE

- When the cycle is complete, the **Door Lock** indicator will go out.
- Pressing **POWER** cancels the cycle and stops your washer.
- The **Wash**, **Rinse**, and **Spin** indicators will illuminate during those portions of the cycle.

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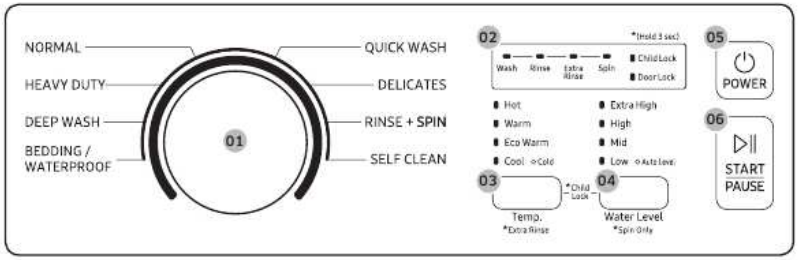
Washing a load of laundry

⚠ **WARNING**

To reduce the risk of fire, electric shock, or injury to persons, read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.

Control panel



01 Cycle Selector	Turn the Cycle Selector to select the desired cycle. The indicator by the cycle name lights up.
02 Display	Provides instructions and diagnostics while keeping you updated on the cycle status and time remaining.
03 Temp.	Press the button repeatedly to cycle through the different water temperature options. • **Hot** - Whites and heavily soiled, colorfast items. • **Warm** - Colorfast items. • **Eco Warm** - Moderately soiled, colorfast items; most wrinkle-free items. • **Cool** - Brightly colored, very lightly soiled items. • **Cold** - Cold water with no warm water added. **NOTE** • If you select the Cold option, all the lamps for the water temperature options are turned off. • **Extra Rinse**: Change from spray rinse mode to deep rinse mode, and rinse once again. Press and hold **Temp.** for 3 seconds.

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Washing a load of laundry

04 Water Level	The water level is Extra high. However, you can select the water level manually by pressing this button. **Spin Only**: This cycle runs a spin cycle only. Press and hold **Water Level** for 3 seconds.
05 POWER	Press once to turn your washer on. Press again to turn your washer off. If the washer is left on for more than 10 minutes without any buttons being pressed, the power automatically turns off.
06 START/PAUSE	Press to pause and restart cycles.

Cycle overview

Cycle	Description
NORMAL	For most fabrics including cottons, linens, and normally soiled garments.
HEAVY DUTY	For sturdy, colorfast fabrics and heavily soiled garments. We propose to use this function only when washing lot of heavily soiled garments.
DEEP WASH	Use more water in washing and rinsing.
BEDDING / WATERPROOF	For bulky and large items, such as comforters, blankets and sheets. When washing comforters, use liquid detergent, waterproof or water-resistant items. ⚠ **CAUTION** ※ Do not wash waterproof items and non-waterproof items together. ※ Check the specification label on the fabric item and see if the item is waterproof. ※ Use the BEDDING / WATERPROOF cycle for waterproof or water-resistant items such as plastic mats, ski pants, raincoat and comforters which hardly absorb water.
QUICK WASH	For lightly soiled garments needed quickly.
DELICATES	For sheer fabrics, bras, lingerie, silks, and other handwash-only fabrics. For best results, use liquid detergent.

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Cycle	Description
RINSE + SPIN	Use for loads that need rinsing only or to add rinse-added fabric softener to a load.
SELF CLEAN	Use to clean dirt and bacteria from the tub. Regular use (after every 20 washes) is recommended. No detergent or bleach is needed.

Options

Child Lock

Child Lock disables the **START/PAUSE** button while the washer is operating. This is to prevent children from playing with the washer.

Activating the Child Lock function

Press and hold the **Temp.** and **Water Level** buttons simultaneously for approximately 3 seconds.

- Child Lock disables the **START/PAUSE** button while the washer is operating.
- The Child Lock Indicator blinks.

Using the Child Lock function

If the lid is opened when the Child Lock function is on, the **Hot** LED illuminates and an alarm sounds.

- If the water level in the tub is above the safe water level, the **Hot** light illuminates on the LED display and the washing machine starts to drain after 30 seconds.
- If the water level in the tub is above the safe water level and the Child Lock function is turned on while the door is open, the **Hot**, **Cool**, **Extra High**, and **Low** lights illuminate on the LED display even if the power is turned off and the washing machine starts to drain.
- If the power is off and the lid is opened while the water level in the tub is above the Reset water level, the **Hot**, **Cool**, **Extra High**, and **Low** lights illuminate on the LED display and the washing machine starts to drain. When the draining operation finishes, the power is automatically turned off again.
- If you activate Child Lock while the washing machine is running, the **START/PAUSE** button will not work.
- After the compulsory drain, the **Hot**, **Cool**, **Extra High**, and **Low** lights blink at 1 second intervals and the product enters the **Hot**, **Cool**, **Extra High**, and **Low** light mode. (When the product is in the the **Hot**, **Cool**, **Extra High**, and **Low** light mode, only the **POWER** button works.)
- To cancel the the **Hot**, **Cool**, **Extra High**, and **Low** light mode, you need to turn the power off and then on again.
- To cancel the **Hot** light mode, deactivate the Child Lock function. To deactivate the Child Lock function, press and hold the **Temp.** and **Water Level** buttons simultaneously for at least 3 seconds.

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Washing a load of laundry

NOTE

Adding laundry when Child Lock is on

To add laundry, deactivate the Child Lock function. To deactivate the Child Lock function, press and hold **Temp.** and **Water Level** simultaneously for at least 3 seconds. See the "**Pause Option**" section on page **35** for additional details.

Deactivating the Child Lock function

Press and hold both **Temp.** and **Water Level** simultaneously for approximately 3 seconds.

- When you deactivate the Child Lock function, the **Child Lock** indicator is turned off.
- The Child Lock function prevents children or the infirm from accidently operating the washer and injuring themselves.

WARNING

If a child enters the washer, the child may become trapped and suffocate.

CAUTION

- Once you have activated the Child Lock function, it continues working even if the power is turned off.
- Forcing the lid open can result in injury or damage to the product.

NOTE

To add laundry after you have activated the Child Lock function, you must first deactivate the Child Lock function.

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Washing clothes using the cycle selector

Your new washer makes washing clothes easy, using Samsung's "Fuzzy Control" automatic control system. When you select a wash program, the machine will set the correct temperature, washing time, and washing speed.

1. Press **POWER**.
2. Open the lid.
3. Load the articles of clothing one at a time loosely into the drum, without overfilling it.
4. Add liquid (or powder) detergent, softener, and/or bleach (if necessary) to the appropriate compartments. See the "**Detergent use**" section on page **37**.
5. Close the lid.
6. Use the **Cycle Selector** to select the appropriate cycle according to the type of material: **NORMAL, HEAVY DUTY, DEEP WASH, BEDDING / WATERPROOF, QUICK WASH, DELICATES,** and **RINSE + SPIN**. The relevant indicators will illuminate on the control panel.
7. At this time, you can control the wash temperature, the number of rinse cycles, the spinning speed, and the delay time by pressing the appropriate option button.
8. Press **START/PAUSE** and the wash will begin. The process indicator will light up and the remaining time for the cycle will appear in the display.

Pause Option

To remove or add laundry items, follow these steps:

1. Press **START/PAUSE** to unlock the lid.

NOTE

The lid cannot be opened when the water is too HOT.

2. Remove or add laundry items.
3. Close the lid, and then press **START/PAUSE** to restart the wash.

NOTE

If you have Child Lock on, you must deactivate it first. See page **33**.

When the cycle is finished:

After the total cycle has finished, the power will turn off automatically.

1. Open the lid.
2. Remove laundry.

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Washing a load of laundry

ATC (Auto Temperature Control)

ATC is the control function that the washer controls water temperature with temperature sensor (thermistor).

NOTE

Because there are numerous water temperatures depending on the customer's environments (cold areas, warm areas, various water temperatures, settings of heater temperature, etc.), ATC function in our washer maintains the certain level of wash temperature to output the best washing performance at each cycle.

NOTE

If you select **NORMAL** cycle, this cycle is the regulation and UL cycle. Since new washers must reduce the amount of energy usage as a first priority, customers will notice more cold water entering the washer. But, this is normal, not a problem.
In those regulation cycles, Hot temperature is similar to acceptable adult bath-water temperature and warm temperature is similar to comfortable swimming-pool water temperature.

NOTE

If customers want to wash clothes in specific water temperatures, customers should choose a different cycle at each temperature (Hot/Warm/Eco Warm/Cool).

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Detergent use

Your washer is designed to use high efficiency (HE) detergents.

- For the best cleaning results, use a high efficiency detergent such as Tide HE, Wisk HE, Cheer HE or Gain HE*. High efficiency detergents contain suds suppressors that reduce or eliminate suds. When fewer suds are produced, the load tumbles more efficiently and cleaning is maximized. (* Brand names are trademarks of their respective manufacturers.)

WARNING

Regular detergent is not recommended. Use HE detergents only.

NOTE

Reducing the amount of detergent may reduce the quality of cleaning. It is important to pre-treat stains, sort carefully by color and soil level, and avoid overloading.

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Washing a load of laundry

Features

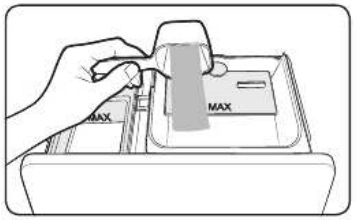
Automatic dispenser

Your washer has separate compartments for dispensing detergent and color-safe bleach and fabric softener. Add all laundry additives to their respective compartments before starting your washer.
The automatic dispenser must always be in place before you start your washer.
DO NOT open the automatic dispenser when your washer is running.

NOTE

- Never exceed the manufacturer's recommendations when adding detergent.
- This compartment holds liquid detergent for the main wash cycle, which is added to the load at the beginning of the cycle.
- When using powdered detergent, remove the liquid detergent compartment from the detergent drawer. The washer will not dispense powdered detergent from the liquid detergent compartment.

To add detergent to the automatic dispenser:



1. Open the dispenser drawer.
2. Load the recommended amount of liquid (or powder) detergent into the detergent compartment before you start your wash.
3. Close the drawer slowly and smoothly to avoid spilling, splashing, or premature dispensing of the contents.

NOTE

It is normal for a small amount of water to remain in the dispenser compartments at the end of the cycle.

NOTE

Do not put chlorine bleach in the dispenser drawer.

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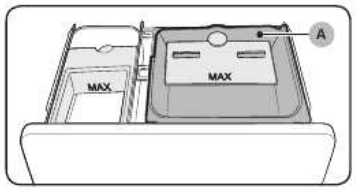
Loading the Liquid (or Powder) detergent compartment



1. Pour the recommended amount of laundry detergent directly into the detergent compartment before starting your washer.
2. If you are using color-safe bleach, add it with the detergent to the detergent compartment.

NOTE

When adding color-safe bleach with detergent, it is best if both laundry products are in the same form - liquid.

NOTE

When using powdered detergent, remove the **liquid detergent compartment (A)** from the detergent drawer. The washer will not dispense powdered detergent from the liquid detergent compartment.

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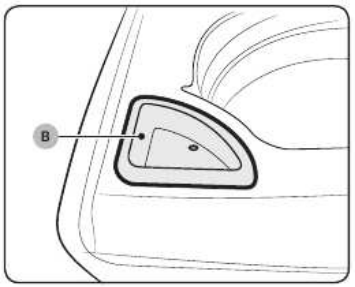
Washing a load of laundry

Loading the Bleach compartment



CAUTION

Use the liquid chlorine bleach only.

1. Add chlorine bleach to the **bleach compartment (B)**.
   DO NOT exceed the bleach compartment.

NOTE

- Avoid splashing or over-filling the compartment.
- Never pour undiluted liquid chlorine bleach directly onto the load or into the tub. It is a powerful chemical and can cause fabric damage, such as weakening of the fibers or color loss, if not used properly.
- If you prefer to use color-safe, non-chlorine bleach, add it to the appropriate detergent compartment.

  DO NOT pour color-safe bleach into the Bleach compartment.

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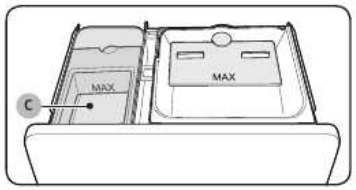
Loading the fabric softener compartment



1. Pour the recommended amount of liquid fabric softener into the **softener compartment (C)**.
   For smaller loads, use less than one capful.
2. Dilute the fabric softener with water until it reaches MAX FILL in the compartment.
3. The dispenser automatically releases liquid fabric softener at the proper time during the rinse cycle.

NOTE

- Use the softener compartment ONLY for liquid fabric softeners.
- DO NOT use the Downy Ball* in the fabric softener compartment with this washer. It will not add fabric softener at the appropriate time.
  Use the detergent compartment.
  (* Brand names are trademarks of their respective manufacturers.)
- Do not use liquid fabric softener that is too sticky as it may not mix with the water sufficiently.

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Maintaining your washer

⚠ **WARNING**

Control board, heat sink, motor, inlet valve and pump are intentionally not grounded and may present a risk of electric shock only during servicing.

Cleaning the exterior

1. Turn off the water faucets after finishing the day's washing.
   This will shut off the water supply to your washer and prevent the unlikely possibility of damage from escaping water. Leave the lid open to allow the inside of your washer to dry out.
2. Use a soft cloth to wipe up all detergent, bleach or other spills as they occur.
3. Clean the following as recommended:
   Control Panel – Clean with a soft, damp cloth. Do not use abrasive powders or cleaning pads. Do not spray cleaners directly on the panel.

Cleaning the interior

Clean the interior of your washer periodically to remove any dirt, soil, odor, mold, mildew, or bacterial residue that may remain in your washer as a result of washing clothes.

Failure to follow these instructions may result in unpleasant conditions, including odors and/or permanent stains on your washer or laundry.
Hard water deposits may be removed, if needed. Use cleaners labeled "Washer safe".

Storing your washer

Washers can be damaged if water is not removed from hoses and internal components before storage.
Prepare your washer for storage as follows:

1. Select the Quick Wash cycle and add bleach to the automatic dispenser. Run your washer through the cycle without a load.
2. Turn the water faucets off and disconnect the inlet hoses.
3. Unplug your washer from the electrical outlet and leave your washer lid open to let air circulate inside the drum.
   If your washer has been stored in below-freezing temperatures, allow time for any leftover water in your washer to thaw out before use.

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Preserving the top cover and the front frame

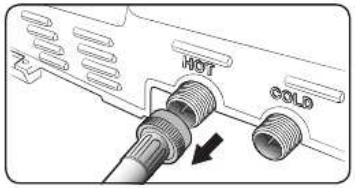
Do not place any heavy or sharp objects or a detergent box on the washer. They can scratch or damage the top cover of the unit.

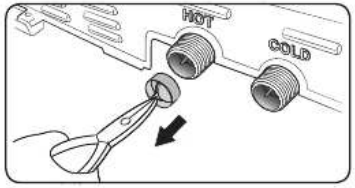
NOTE

Since the entire washer has a high-gloss finish, the surface can be scratched or damaged.
Avoid scratching or damaging the surface when using the washer.

Cleaning mesh filter

Clean the mesh filter of the water hose once or twice a year.





1. Turn off the washer, and then unplug the power cord.
2. Close the faucet.
3. Loosen and disconnect the water hose from the back of the washer. Cover the hose with a cloth to prevent water from gushing out.
4. Use pliers to pull out the mesh filter from the inlet valve.
5. Submerge the mesh filter deeply in water so that the threaded connector is also submerged.
6. Dry the mesh filter completely in a shaded area.
7. Reinsert the mesh filter into the inlet valve, and reconnect the water hose to the inlet valve.
8. Open the faucet.

NOTE

If the mesh filter is clogged, the "Cool" LED flashes on the washer's display screen.

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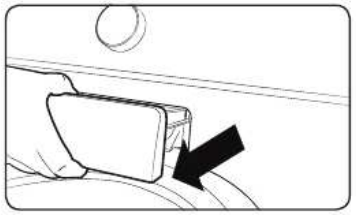
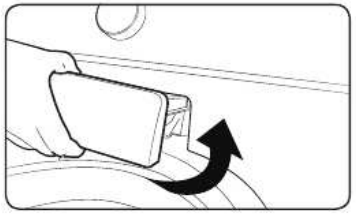
Maintaining your washer

Cleaning the dispensers

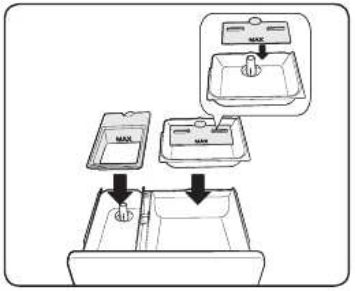


The automatic dispenser may need to be cleaned periodically due to laundry additive buildup.

1. Pull the dispenser drawer straight back until it stops.



2. Tilt the dispenser drawer upward and remove it.



3. Remove the inserts from the 3 compartments. Rinse the inserts and the drawer with warm water to remove traces of accumulated laundry products.

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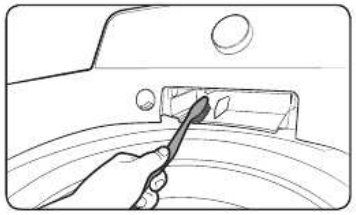
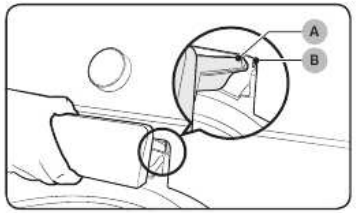


4. To clean the drawer opening, use a small, non-metal brush to clean the recess. Remove all residue from the upper and lower parts of the recess.



5. Return the inserts to the proper compartments and replace the drawer by placing the **dispenser drawer rail (B)** on top of the **compartment rail (A)** (Tilt the dispenser drawer downward and insert it).
Then push the drawer in firmly and slowly.

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Troubleshooting

Checkpoints

If you encounter a problem with the washer, first check the table below and try the suggestions.

Problem	Action
Does not turn on.	• Make sure you use rated power for the product. • Make sure the power cord is completely plugged in. • Check the fuse or reset the circuit breaker.
Does not start.	• Make sure the door is closed. • Make sure the water taps are open. • Make sure to press or tap **START/PAUSE** to start the washing machine. • Make sure Child Lock is not activated. • Before the washing machine starts to fill, it will make a series of clicking noises to check the door lock and does a quick drain. • Was the door opened during the spinning cycle? Close the door, and press or tap **START/PAUSE** to resume. • The machine enters Standby or is in a soaking cycle. Please wait. • Check the fuse or reset the circuit breaker
Water is not supplied.	• Make sure you press or tap **START/PAUSE** after selecting the water supply. • Make sure the water taps are open. • Is the filter net at the water supply hose connector clogged? Clean the filter net by brushing with a toothbrush. • Is the water supply cut off? If the water supply is cut off, close the tap and power off. • Straighten the water supply hoses. • Open and close the door, then press or tap **START/PAUSE**. • If the water pressure is low, it takes longer to start washing. • If the water level is not as high as necessary or lower than expected, use the level selector to adjust the water level.
After a cycle, detergent remains in the automatic dispenser.	• Make sure the washing machine is running with sufficient water pressure. • Make sure the detergent drawer is properly inserted. • Remove and clean the detergent drawer, and then try again.

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Problem	Action
Vibrates excessively or makes noise.	• Make sure the washing machine is set on a level floor. If the floor is not level, use the levelling feet to adjust the washing machine. • Make sure the washing machine is not contacting any other object. • Make sure the laundry load is balanced. • Make sure the laundry is spread evenly in the washing machine. Spread out the laundry evenly and start again. • Make sure the space around the washing machine is free of objects. • Humming is produced normally during operation. • Objects such as coins can cause noise. Remove these objects from the washing machine after washing is complete.
Stops.	• Plug the power cord into a live electrical outlet. • Check the fuse or reset the circuit breaker. • Close the door, and press or tap **START/PAUSE** to start the washing machine. For your safety, the washing machine will not spin unless the door is closed. • Before the washing machine starts to fill, it will make a series of clicking noises to check the door lock and does a quick drain. • There may be a pause or soak period in the cycle. Wait briefly and the washing machine may start. • Make sure the inlet hose screens at the taps are not clogged. Periodically clean the screens. • This problem occurs temporarily due to low voltages, and will be solved when power recovers.

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Troubleshooting

Problem	Action
Fills with the wrong temperature water.	• Fully open both water taps. • Make sure the temperature selection is correct. • Make sure the hoses are connected to the correct water taps. Flush water lines. • Disconnect the hoses and clean the screens. The hose filter screens may be clogged. • While the washing machine fills, the water temperature may change as the automatic temperature control feature checks incoming water temperature. This is normal. • While the washing machine fills, you may notice just hot and/or just cold water going through the dispenser when cold or warm temperatures are selected. This is a normal function of the automatic temperature control feature as the washing machine determines the water temperature.
Door (Lid) locked or will not open.	• While the washing machine is operating, press or tap **START/PAUSE** to stop the washing machine. • It may take a few moments for the door lock mechanism to disengage.
Does not drain and/or spin.	• Check the fuse or reset the circuit breaker. • Make sure the electrical voltage is normal. • Make sure the washing machine is plugged in. • Make sure the drain hose is pointed downward. (Natural drain models only) • Make sure the drain hose is not clogged. • Make sure the drain hose is not kinked. • Straighten the drain hose. If there is a drain restriction, call for service. • Close the door, and press or tap **START/PAUSE**. For your safety, the washing machine will not spin unless the door is closed.
Load is wet at the end of the cycle.	• Use the High or Extra High spin speed. (Applicable model only) • Use high efficiency (HE) detergent to reduce oversudsing. • Load is too small. Small loads (one or two items) may become unbalanced and not spin completely.

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Problem	Action
Leaks water.	• Make sure all hose connections are tight. • Make sure the water supply hose's rubber packing is in the correct position. Screw tightly again. • Make sure the end of the drain hose is correctly inserted and secured to the drain system. • Avoid overloading. • Use high efficiency (HE) detergent to prevent oversudsing. • Make sure the water supply hose is not kinked. • If the water supply is too strong, water may leak. Close the water tap a little. • Make sure water is not leaking from the water tap. If so, repair the water tap.
Excessive suds.	• Use high efficiency (HE) detergent to prevent oversudsing. • Reduce the detergent amount for soft water, small loads, or lightly soiled loads. • Non-HE detergent is not recommended.
The spin basket or drain/supply hose is frozen.	• Use warm water to disconnect the water supply hose and drain hose. Soak them in warm water. • Fill the spin basket with warm water, and then wait for about 10 minutes. • Put a hot towel on the drain hose connector. • Reconnect the water supply hose and drain hose, and check if water is supplied properly.
Water drains out immediately.	• Make sure the drain hose is not clogged, and is hung over the drain hose hook. Fill the spin basket halfway with water, and try spinning again. • Lift the end of the drain hose to prevent water from draining. Fill the spin basket halfway with water, and then run spinning after releasing the drain hose. • Make sure the drain hose is installed correctly. See the installation section of this user manual and adjust the position of the drain hose as instructed.

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Troubleshooting

Problem	Action
Stains on clothes.	• Select an appropriate cycle for the laundry. Use the Heavy Duty cycle for stained clothes. • Apply a recommended amount of detergent as instructed by the detergent manufacturer. • Clean the magic filter (if it comes with your washer) on a regular basis.
Has odours.	• Excessive suds collect in recesses and can cause foul odours. • Run cleansing cycles to sanitize periodically. • Dry the washing machine interior after a cycle has finished.

If a problem persists, contact a local Samsung service center.

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Information codes

The washer may display information codes to help you understand what is occurring with your washer better.

No	Code	Meaning
1	Hot LED Flashes	Lid is open when washer is running. • Close the lid tightly and restart the cycle. • If the information code remains, contact a customer service center.
2	Warm LED Flashes	Communication error between SUB PBA and MAIN PBA. • If the information code remains, contact a customer service center.
3	Eco Warm LED Flashes	A button is not working properly. • If the information code remains, contact a customer service center.
4	Cool LED Flashes	The Water Level sensor is not working properly. **NOTE** When the Cool LED is flashing, the washer drains for 3 minutes. During this time, the **POWER** button is inoperative. • If the information code remains, contact a customer service center.
5	Extra High LED Flashes	Your Washer has tried to fill but was unsuccessful. **NOTE** When the Extra High LED is flashing, the washer drains for 3 minutes. During this time, the **POWER** button is inoperative. • Make sure the water faucets are open all the way. Check for kinked hoses. • Check the inlet screens on the fill hoses. • If you use a Flood Safety Device, remove the device and connect the water hoses directly to the unit. Check if the hot water supply hose is connected. • You must connect the hot water supply hose because hot water is supplied by the Auto Temperature Control (A.T.C.) function.

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Troubleshooting

No	Code	Meaning
6	High LED Flashes	Your Washer has tried to fill but has not reached the proper water level. **NOTE** When the High LED is flashing, the washer drains for 3 minutes. During this time, the **POWER** button is inoperative. • If the information code remains, contact a customer service center.
7	Mid LED Flashes	A fault is detected in the water level sensor. If the information code remains, contact a customer service center.
8	Low LED Flashes	Your washer is not draining. It can also mean that the unit senses a small clog while draining. • Do the following: **1.** Turn off the unit and turn it on again. **2.** Select only the Spin Only. **3.** Press the **START/PAUSE** to drain the water. If it still does not drain, contact a customer service center.
9	Hot & Warm LEDs flash	Unbalanced load prevented your Washer from spinning. • Redistribute the load, and then press the **START/PAUSE** button.
10	Hot & Cool LEDs flash	Motor not running properly. • Restart the cycle by presssing the **START/PAUSE** button. • If the information code remains, contact a customer service center.
11	Hot & Cool LEDs flash	Mems sensor is not working properly. • If the information code remains, contact a customer service center.
12	Hot & Extra High LEDs flash	Door lock is not working properly. • Close the lid tightly and restart the cycle. • If the information code remains, contact a customer service center.

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No	Code	Meaning
13	Hot & High LEDs flash	Door lock is not working properly. • Close the lid tightly and restart the cycle. • If the information code remains, contact a customer service center.
14	Hot & Mid LEDs flash	Thermistor is not working properly. • If the information code remains, contact a customer service center.
15	Hot & Low LEDs flash	The temperature of the supplied water is so high. • Ensure that the cold water tap and the hot water tap are connected correctly. • If the information code remains, contact a customer service center.

For any codes not listed above, call 1-800-726-7864 (1-800-SAMSUNG).

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Specifications

Fabric care chart

The following symbols provide garment care direction. The clothing care labels include symbols for drying, bleaching, drying and ironing, or dry cleaning when necessary. The use of symbols ensures consistency among garment manufacturers of domestic and imported items. Follow care label directions to optimize garment life and reduce laundering problems.

Wash cycle

	Normal
	Permanent press/Wrinkle resistant/Wrinkle control
	Gentle/Delicates
	Hand wash

Water temperature

•••	Hot
••	Warm
•	Cold

NOTE

This represents appropriate wash water temperatures for various items. The temperature range for Hot is 105° - 125 °F / 41° - 52 °C, for Warm 85° - 105 °F / 29° - 41 °C and for Cold 60° - 85 °F / 16° - 29 °C. (Wash water temperature must be a minimum of 60 °F / 16 °C for detergent activation and effective cleaning.)

The clothes washer can not ensure these temperatures because the actual temperature of the water entering your washer depends on water heater settings and regional water supply temperatures. For example, cold water entering the home in the northern states during winter may be 40 °F / 4 °C which is too cold for effective cleaning. In this situation, you will need to adjust the water temperature by selecting a warm setting, adding some hot water to the MAX FILL line, or using your Washer's heating option, if available.

Bleach

	Any bleach (when needed)
	Only non-chlorine (color-safe) bleach (when needed)
	Tumble dry

Normal

	Permanent press/Wrinkle resistant/Wrinkle control
	Gentle/Delicates

Special instructions

	Line dry/Hang to dry
	Drip dry
	Dry flat

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Heat setting

	High
	Medium
	Low
	Any heat
	No heat / Air

Dry-clean

	Dry-clean
	Do not dry-clean
	Line dry / Hang to dry
	Drip dry
	Dry flat

Iron dry or steam temperatures

	High
	Medium
	Low

Warning symbols for laundering

	Do not wash
	Do not wring
	Do not bleach
	Do not tumble dry
	No steam (added to iron)
	Do not iron

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Specifications

Helping the environment

- Your washer is manufactured from recyclable materials. If you decide to dispose of it, please observe local waste disposal regulations. Cut off the power cord so that the appliance cannot be connected to a power source. Remove the lid so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.
- Use stain removal products and bleaches before the wash cycle only when necessary.
- Save water and electricity by only washing full loads (the exact amount depends upon the program used).

Declaration of conformity

This appliance complies with UL2157.

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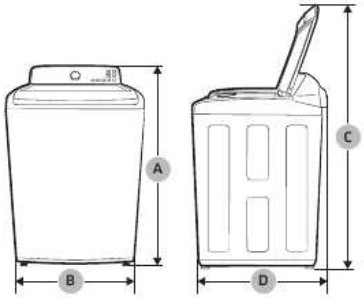
Specification sheet



Type		Top loading washer	
Model name		WA45M3100A* WA45N3050A*	
Dimensions (inches (cm))	A. Height	WA45M3100A* : 45.1 (114.6)	
		WA45N3050A* : 43.9 (111.7)	
	B. Width	27.0 (68.6)	
	C. Height with lid open	59.3 (150.5)	
	D. Depth	29.3 (74.4)	
Water pressure (psi (kPa))		20 - 116 (137 - 800)	
NET weight (kg (lb))		57.0 (125.7)	
Spin revolution		700 rpm	
Heater rating	Washing	120 V	700 W
	Spin	120 V	400 W
	Drain	120 V	80 W

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Specifications

Cycle chart

Use this chart to set the best cycle and options for you laundry.

NOTE

Setting	Temp.	Water Level
●: factory setting	**H**: Hot	**EH**: Extra High
●: can be selected	**W**: Warm	**H**: High
	EW: Eco Warm	**M**: Mid
	C: Cool	**L**: Low
	CD: Cold	**AL**: Auto Level

Cycle	Functions										Option	
	Temp.					Water Level					Extra Rinse	Spin Only
	H	W	EW	C	CD	EH	H	M	L	AL		
NORMAL	●	●	●	●	●	●	●	●	●	●	●	●
HEAVY DUTY	●	●	●	●	●	●	●	●	●	●	●	●
DEEP WASH	●	●	●	●	●	●	●	●			●	●
BEDDING / WATERPROOF	●	●	●	●	●	●	●	●	●		●	●
QUICK WASH	●	●	●	●	●	●	●	●	●		●	●
DELICATES		●	●	●	●	●	●	●	●		●	●
RINSE + SPIN						●	●	●	●		●	●
SELF CLEAN	●						●					

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Warranty (U.S.A)

SAMSUNG WASHER

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS AMERICA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:
One (1) year part and labor, Three (3) years stainless tub part (Part Only), Five (5) years washing motor part (Part Only).

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. SAMSUNG will provide in-home service during the warranty period at no charge, subject to availability within the contiguous United States. In-home service is not available in all areas.

To receive in-home service, product must be unobstructed and accessible to the service agent. If service is not available, SAMSUNG may elect to provide transportation of the product to and from an authorized service center.
SAMSUNG will repair, replace, or refund this product at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following: damage that occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning, or other acts of nature or God; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG that damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal and reinstallation; problems caused by pest infestations.

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Warranty (U.S.A)

This limited warranty does not cover problems resulting from incorrect electric current, voltage or supply, light bulbs, house fuses, house wiring, cost of a service call for instructions, or fixing installation errors. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

EXCEPT AS SET FORTH HEREIN, THERE ARE NO WARRANTIES ON THIS PRODUCT EITHER EXPRESS OR IMPLIED, AND SAMSUNG DISCLAIMS ALL WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE.

NO WARRANTY OR GUARANTEE GIVEN BY ANY PERSON, FIRM, OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE.
WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE, OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific rights, and you may also have other rights, which vary from state to state.

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To obtain warranty service, please contact SAMSUNG at:

Samsung Electronics America, Inc.
85 Challenger Road
Ridgefield Park, NJ 07660
1-800-SAMSUNG (726-7864)
www.samsung.com/us/support

Visits by a Service Engineer to explain functions, maintenance or installation is not covered by warranty.
Please contact your Samsung call agent for help with any of these issues.

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Warranty (CANADA)

SAMSUNG WASHER

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG ELECTRONICS CANADA, INC. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:
One (1) year part and labor.

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the Canada. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. SAMSUNG will provide in-home service during the warranty period at no charge, subject to availability within the Canada. In-home service is not available in all areas.

To receive in-home service, product must be unobstructed and accessible to the service agent. If service is not available, SAMSUNG may elect to provide transportation of the product to and from an authorized service center.

SAMSUNG will repair, replace, or refund this product at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, noncommercial use of this product and shall not apply to the following: damage that occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning, or other acts of nature or God; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG that damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal and reinstallation; problems caused by pest infestations.

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Warranty (CANADA)

To obtain warranty service, please contact SAMSUNG at:
Samsung Electronics Canada Inc.
2050 Derry Road West
Mississauga, Ontario L5N 0B9 Canada
1-800-SAMSUNG (726-7864)
www.samsung.com/ca/support (English)
www.samsung.com/ca_fr/support (French)

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*Requires reader to be installed on your smartphone

Scan this with your smartphone

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
U.S.A	1-800-SAMSUNG (726-7864) 1-844-SAM-PAYS (726-7297)	www.samsung.com/us/support
CANADA	1-800-SAMSUNG(726-7864) 1-844-SAM-PAYS (726-7297)	www.samsung.com/ca/support (English) www.samsung.com/ca_fr/support (French)

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