

# Instruction Manual

# HITACHI

## Washing Machine

### Fully Automatic

#### Model

LTL 20MV00

LTL 165MV00



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Thank you for purchasing a Hitachi fully automatic washing machine.

- Please read this Instruction Manual carefully for proper operation of the machine.
- Please keep this Instruction Manual for future reference.

For household use only



# Please read this instruction manual first!

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Dear Customer,






Thank you for choosing Hitachi product. We hope that you get the best results from your product which has been manufactured with high quality and state-of-the-art technology. Therefore, please read this entire instruction manual and all other accompanying documents carefully before using the product.

Follow all warnings and information in the instruction manual. Thus, you protect yourself and your product against possible dangers.

Keep the instruction manual. If you hand over the product to someone else, provide the Instruction manual as well. Warranty terms, usage and troubleshooting methods of your product are in instruction manual.

## Symbols and Definitions

The following symbols are used in the instruction manual:

	Danger that could result in death or injury.
	Important information or useful hints about usage.
	Read the instruction manual.
	Recyclable materials.
	Hot surface warning.
<b>WARNING</b>	Danger that may result in property damage to the product or its environment.

# 1. Environmentally Friendly Waste Disposal

## Disposing of the packaging

The shipping package has protected your new washing machine on its way to your home. All materials are ecologically harmless and recyclable. Please contribute to a better environment by disposing of packaging materials in an environmentally conscious manner.

Ask your dealer about current means of disposal.

### Risk of choking!

Do not let children play with packaging and associated parts.

There is a risk of suffocating with plastic bags and collapsible boxes.

## Disposing of your old appliance

You can dispose your old appliances. Environment-conscious recycling can reclaim them to valuable new materials.

### Risk of death!

#### To dispose the old appliances:

1. Unplug the power plug from appliances you are no longer using.
2. Cut off the power cord and dispose of it with the plug.

If you wish to discard this product, contact your local authorities or dealer and ask for the correct method of disposal.

# 2 Hints and Tips for Eco-friendly Washing

- Keep the load limit of each program.
- This washing machine features power-saving operations with a built-in inverter controller which enables the machine to optimize operations according to the conditions of your clothes.
- Add detergent according to the degree of soiling, laundry size, and water hardness. Follow the detergent manufacturer's instructions regarding the amount of detergent to use.
- You can use further enhanced water-saving technology such as "Spin Shower Rinse". Water consumption is less than the former models.

# 3. Safety Instructions

- This appliance is intended to be used in household and similar applications such as: (IEC 60335-2-7)
  - 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;
  - Areas for communal use in blocks of flats or in launderettes.



### WARNING!

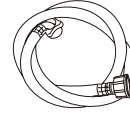
- Issues which may cause death or serious injury.

## General safety

- Do not dismantle, repair or modify the washing machine. This could cause malfunction, fire, electric shock or injury. Contact your local service center for repairs.
- Do not put fire sources or anything inflammable in or near the washing machine (gas, diesel, petroleum, thinner, alcohol, or clothes stained with these substances). This could cause an explosion or fire.
- Do not pour water on the washing machine during operation. This could cause an electric shock.
- Do not climb on the washing machine. Do not place heavy object, drop any object or apply impact on the lid glass. This could cause lid glass breakage. If any scratch or breakage is found on lid glass, stop using the washing machine and contact your local service center to request inspection and repair.
- Do not forcibly open the lid during operation: Lid Lock Switch is designed to prevent from opening the lid during operation. This is because touching the washing tub while it is spinning may result in serious injury. If you can open the lid during operation, please stop using the Washing Machine immediately and refrain from touching the inside. Contact your local service center for repair.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge (including children) unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- If there is a water outage or if you are removing the water supply hose to reattach it, close the tap and press the Start/Pause button, then wait 40 seconds and slowly open the tap. Air pressure from a large amount of air in the water pipes may damage the washing machine.

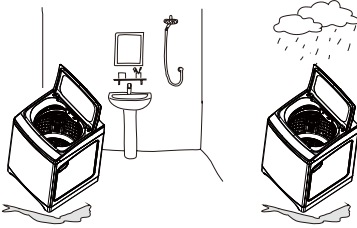
- Periodically check that the union nut on the water supply hose is tight. A loose nut may cause a water leak.
- Remove the power plug from the outlet and close the water tap if you will not use the washing machine for a long time.

- Use the accessory hose provided with the machine. (Reusing old hoses can cause water leakage and property damage)

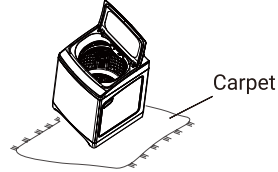


## Installation

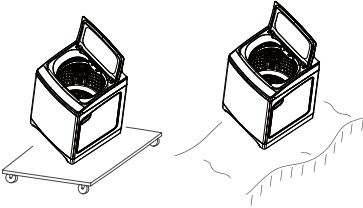
- Do not install it in a bathroom or a place exposed to rain. (This may cause corrosion, or current leakage and electric shock to the product)



- The opening must not be obstructed by carpeting if the washing machine is installed on a carpeted floor.

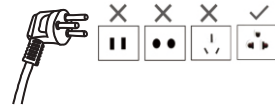


- Do not install it on a board with castors or an uneven surface. (This may cause vibration and noise)

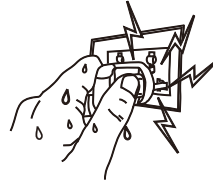


## Power source and cord

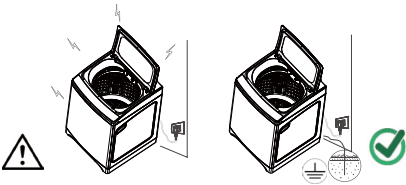
- Use an outlet and a rated voltage of 220V 50Hz.



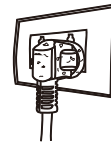
- Do not insert or remove the power plug with wet hands. (This could cause an electric shock)



- Grounding must always be performed.



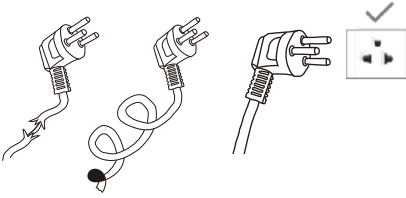
- Clean off any dust on the power plug. (It may cause a fire)



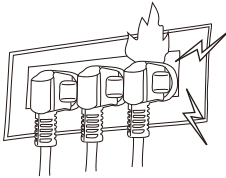
### WARNING!

- If not grounded, current leakage, electric shock and product damage might occur.
- Use a 3-pin socket (Line, Neutral and Ground) for connection.
- Do not use an extension cord or double adapter.

- Do not tear, cut, modify, bend, pull or fold the power cord, etc. The damaged power cord can cause fire, electric shock.




- Do not connect plugs to the same outlet and a loose, damaged one. (This may cause a short circuit or fire)



- \* If the power cord is damaged, contact a dealer or repair shop authorized by the manufacturer to replace it to avoid risks.

### Child safety

- Keep packaging out of reach of children and infants. Danger of suffocation.
- Do not let children climb onto the washing machine or to get into the tub. Do not leave boxes or chairs near the washing machine that children could use to climb onto it. This may cause injury.
- Children should be supervised to ensure that they do not play with the appliance.

	<b>CAUTION!</b>
<ul style="list-style-type: none"> <li>• Issues which may cause injury or damage property.</li> </ul>	

### Use

- All packaging materials must be removed before using the washing machine. This may cause malfunction or abnormal vibration.
- Check inside the tub before operating the washing machine. Check that no pets or small animals are in the tub.
- Do not wash items through which water does not flow easily such as raincoats, wet suits, ski suits, sleeping bags, cushions, pillows, shoes, shower curtain. The washing machine may not work properly, or it may cause injury or damage the washing machine.

- Do not fold and stack large items such as blankets together when washing them.
- Do not use a laundry net that is larger than 40cm on a side. The clothes may become off balance and cause abnormal vibration during the spin cycle.
- Do not load laundry over the lower part of the liquid load balancer (dashed line). This may cause laundry to fly out of the tub during the spin cycle and damage the clothes or the washing machine, or cause a water leak.
- Always put detergent into the detergent dispenser when washing laundry.
- Do not use water hotter than 50°C.
- Do not wash items together with coins, pins, or stones. This may damage clothes or the washing machine, or cause a water leak. Check inside pockets before washing.
- Do not press the buttons with sharp pointed objects.
- Do not put heavy objects, liquid-filled containers or equipment which produces heat on the washing machine. This may damage the washing machine or its top.

### Care and maintenance

- If detergent, fabric softener or bleach spills on the surface of the machine, clean it up with a damp cloth immediately. The plastic or steel parts of the washing machine may be damaged.
- Do not place equipment that produces heat near the washing machine. This may cause deformation of the washing machine.

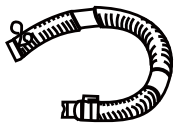
## **Operating the Appliance**

- Before washing the clothes for the first time, it is highly recommended to run a full cycle without clothes inside.
- Flammable and explosive or toxic solvents are forbidden and must not be used in or on this appliance.
- Gasoline, alcohol or solvents should not be used as detergents.
- Ensure you use detergents suitable for top loading washing machines.
- Ensure that all pockets are emptied before loading. Sharp and rigid items such as coins, brooches, nails, screws or stones may cause serious damage to this washing machine.
- Ensure the water inside the drum has been drained before opening the door. Do not open the door if there is any water visible.
- Never refill the water by hand during washing.
- After the program is completed, wait for at least 2 minutes before opening the door.

## **Disposal**

- Contact your local environmental authority to find the correct method of disposal. Dispose of all packaging in a responsible manner in accordance with local regulations.
- Dispose of old appliances in accordance with local regulations. Remove the doors, cut off the main cable, break or remove spring or bolt catches if fixed to prevent children getting trapped or involve themselves in other dangers.

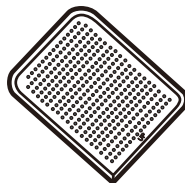
# Components



Drain Hose



Water Supply Hose



Bottom Cover

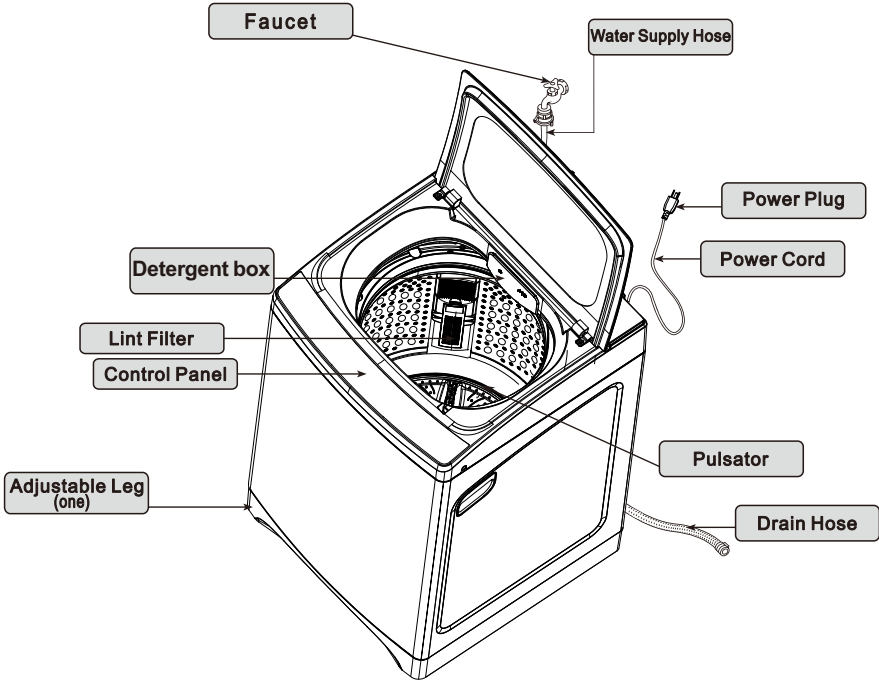


Screw

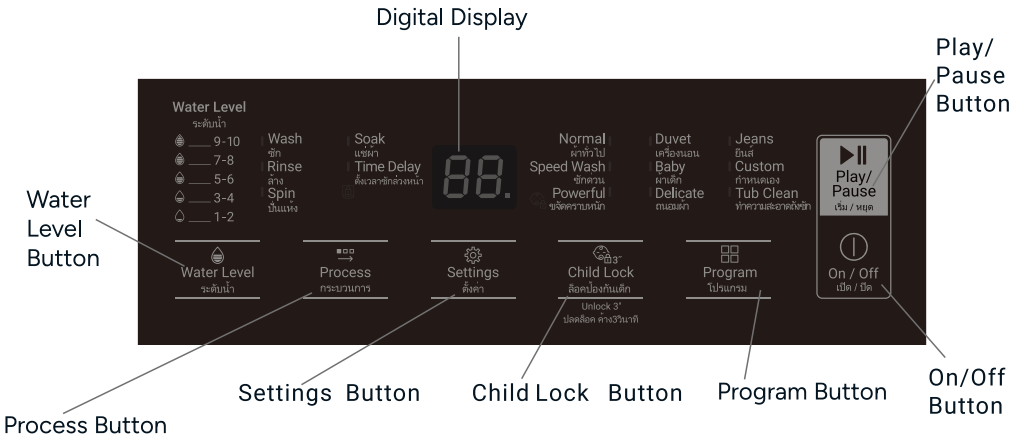


User Guide

# Overview



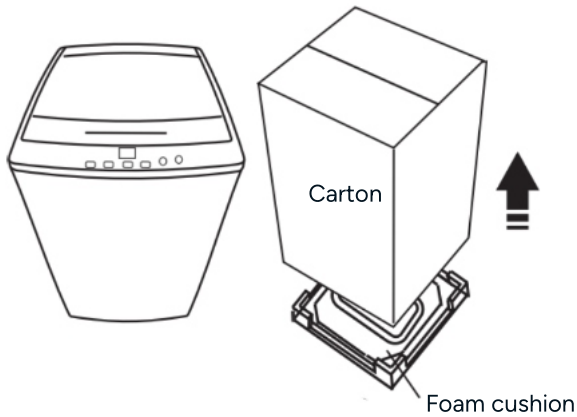
## Control Panel (Only Applicable to LTL 20MV00)



# Installation

## Remove the Packaging

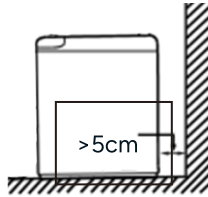
- Pull the carton straight up and over the top of the washing machine.
- Lift the washing machine off the foam cushion.



- Operating the washing machine whilst on the foam cushion is strictly forbidden.
- Do not open the carton from the top. It is easily damaged and will make it difficult to remove.
- To avoid injury to people and damage to property, do not burn the carton in a fireplace.
- Packaging material can be dangerous for children. There is a risk of suffocation! Keep all packaging away from children.

## Location

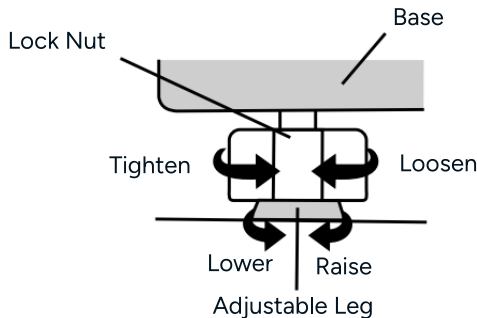
- Place the washing machine in a dry area, away from direct sunlight.
- Ensure there is a floor drain where the washing machine will be installed, with unobstructed water flow. The floor drain should be flush with or slightly lower than the washing machine's placement to prevent damage from potential water leakage.
- Position the washing machine on a flat, solid floor, maintaining a distance of at least 5cm from the wall to minimise noise during the spin cycle.



### Caution:

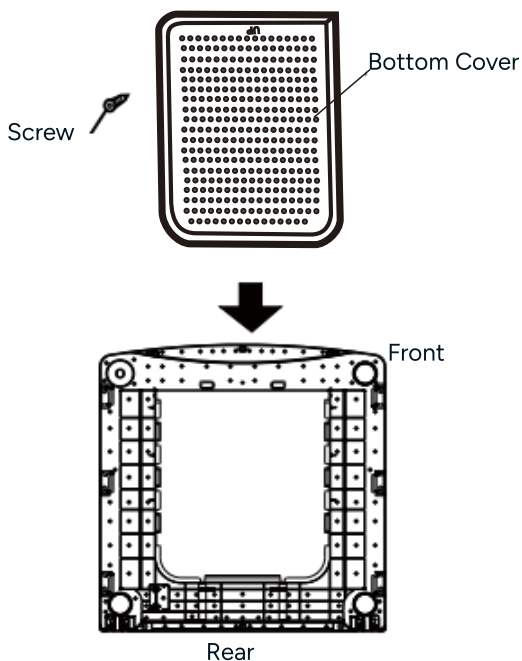
Do not block the ventilation openings on the bottom of washer by carpeting when the washer is installed on a carpeted floor.

- Adjust the adjustable leg of washer if necessary to make the washer level. The maximum inclination of the supporting surface is 2°.



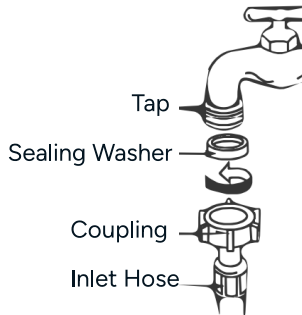
## Installing the Bottom Cover

1. Unplug the power cord of the washer.
2. Locate the bottom cover and remove it during unpacking.
3. Gently lay down the backside of the washing machine on a soft mat or cushion. (Be careful not to dent the Frame.)
4. Align the bottom cover with the hooks of base and push towards the rear until it reaches into the back hooks.
5. Use the screw provided in the accessory bag to fasten the bottom cover to the base.
6. Gently lift the washing machine back to its upright position and ensure it is stable.



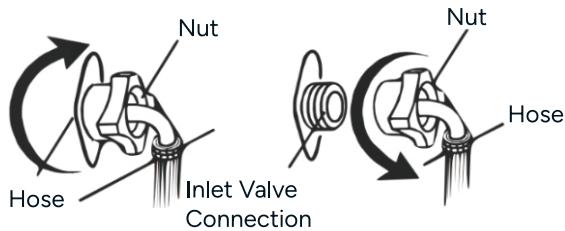
## Install the Water Supply Hoses

1. Check that sealing washers are firmly seated.
2. Attach the curved end of the hose to the inlet valve of the washing machine, tighten the coupling securely by hand.
3. Attach the straight end of the hose to the tap. Tighten the coupling securely by hand.
4. Turn on the taps and check for leaks. Tighten the coupling nuts firmly if there is any leakage. If water pressure is too strong, close the water tap completely then open it slightly.



## Connecting Water Supply Hose to the Washing Machine

1. Attach the water inlet nut to the inlet valve connection.
2. Tighten the water inlet nut securely.



## Installing the Drain Hose

### How to Installing the Drain Hose

1. Pinching the two bands of the clamp on the drain hose, connect it to the pump (rear to cabinet) and fix the hose band.
2. Pull the Drain Hose upward and fix it to the hose clip on back over of cabinet.
3. Hang the drain hose to the hole on right side of top frame when the washer is not working. And put the drain hose to drain spout when washer start working.



### Extension of the Drain Hose

If the drain hose length is not sufficient, please purchase more Drain Hoses from the seller or the company and then connect the Drain Hoses to each other.

Extension of the Drain Hose	Extension Height	Extension Length	
There is a step in the middle	Within 15cm	Within 1m	
There are no steps in the middle	—	Within 3m	

## THE PREPARATION OF LAUNDRY BEFORE WASHING

- Make sure that nothing is remained in pocket. (Pin, coin or something like possibly damage clothes or washing machine, and the extra noise occurred may cause trouble to washing machine.
- Wool items like women underwear, articles with embroider, nylon etc, should be placed in a laundry net for extra protection.
- Close the fastener and tie loose laces.
- Put light clothes down. Please pause operation and put it into water when it floats up.
- Please separate white clothes from coloured clothes, coats from underwear.

## Transporting

- This washing machine features a rolling wheel at the rear to aid during transport.
- With the electrical and water supply disconnected, carefully tilt the washing machine approximately 30° and push forward or pull backward while holding the washing machine by the sides of the main body.
- The rolling wheel is not suitable for uneven ground.



### **Warning:**

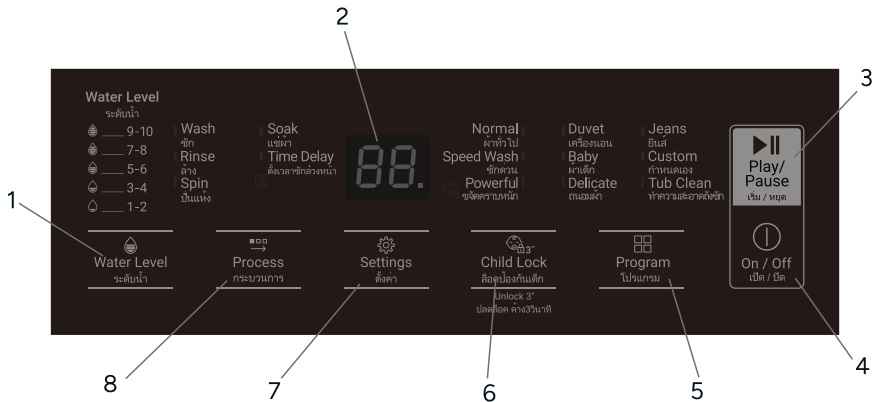
Avoid tilting the washing machine beyond 30°. Failure to do so may result in serious personal injury and potential damage.

# Operation

## Preparation of Laundry Before Washing

- Ensure pockets are empty (pins, coin or something may possibly damage clothes or washing machine).
- Wool items, underwear, articles with embroidery, nylon etc., should be placed in a laundry bag for extra protection.
- Close all fasteners and tie loose laces.
- Press light clothing down.
- Separate white clothes from coloured clothes, coats from underwear.

## Control Panel (Only Applicable to LTL 20MV00)



### 1. Water Level Button:

- Press to adjust the water level according to the laundry load size.
- Different water levels can be selected for washing and rinsing.

### 2. Digital Display

- Displays the remaining time of the selected program and any active settings. (Example: Remaining time is 20 minutes.)
- Displays warning codes when abnormal conditions occur. (Example: Water does not flow.)
- Displays the selected water level when adjusting water settings. (Example: Water level set to 8.)
- Lights up the Child Lock indicator when the Child Lock function is activated. (Example: Child Lock indicator illuminated.)

### 3. **Play/Pause Button**

- Press to start the washing operation.
- Press again to temporarily pause the operation.
- Press once more to resume operation.

### 4. **On/Off Button**

- Press to turn the appliance on/off.
- The appliance will automatically turn off 5 seconds after a wash cycle has completed.
- If no operation is started, the appliance will automatically power off after 10 minutes.

5. **Program Button:** Press to choose the appropriate washing program based on the laundry type.

6. **Child lock:** Preventing children from making mistakes during operation provides additional safety guarantees for families. See page 21.

7. **Settings Button:** Press to set the time Time Delay, Soak, Wash, Spin, or the number of Rinse cycles.

8. **Process Button:** Press to select individual washing processes: Time Delay, Soak, Wash, Rinse, or Spin.

## **Operation Steps**

### 1. Preparation

- a. Ensure the drain hose is fitted.
- b. Connect the water supply hoses to the faucet and turn the faucet on.
- c. Plug the power cord into a the electrical outlet.
- d. Place clothes inside.
- e. Close the lid.

2. Press 'On/Off Button'.

#### 4. Press 'Play/Pause button'.

- Sensor tests the clothes weight automatically.(For Normal/Custom/ Powerful/Speed wash/Baby/Jeans).
- Select water level, wash/spin time.

### Selecting a Program

1. Press the 'Program button' to select the program you need according to your load. Refer to the chart below.

Program	Description	Operation Status for the Program				Capacity (kg)
		Washing Time(min)	Rinse Times	Spin Time (min)		
				16.5kg	20kg	
Normal	It is suitable for the washing of cotton and linen fabrics and can remember the program	6-15	2 times	12	5	Rated capacity
Speed Wash	It is suitable for the speed washing of clothes with light stains	5	1 time	3		≤3kg
Powerful	Strongly wash stains	8-17	2 times	8		70% of Rated capacity
Duvet	It is suitable for the washing of large household textiles	15	3 times	8		70% of Rated capacity
Baby	Suitable for the washing of children's clothes	15	3 times	5		70% of Rated capacity
Delicate	Suitable for gentle washing of fine fabrics	6	2 times	2	3	≤3kg
Jeans	It is suitable for the washing of denim clothing	15	2 times	5		≤4kg
Custom	It is suitable for washing cotton and linen fabrics and can remember the program and parameters	12	2 times	5		Rated capacity
Tub Clean	Clean the inner bucket by washing for a long time	85	1 time	3		0kg

2. Press the 'Process button' to select 'Time Delay', 'Soak', 'Wash', 'Rinse Times', 'Spin Time'.
  - Time Delay time: 6, 7...24, 0, 1, 2, 3, 4, 5 (hours).
  - SOAK time: 0, 10, 20, 30, 40 (minutes) (This function is not available for Tub Clean).
  - WASH time: 0, 1, 2...9, 10...20 (minutes)
  - Speed Wash/Delicate time: 0, 1, 2...9, 10...15 (minutes)
  - RINSE times: 0, 1, 1., 2, 2., 3, 3., 4, 4. (time)
    - 1, 2, 3, 4 (times) for Water Storage Rinsing: The machine first adding water to the standard water level in the tub before initiating the rinse cycle.
    - 1. 2. 3. 4. (times) for Water Injection Rinsing: The machine continuously supplies water to the tub during the rinse cycle.
  - SPIN time: 0, 1, 2...5, 6...9 (minutes) ( This function is not available for Speed Wash/Delicate/ Tub Clean)
  - SPIN time: 0, 1, 2, 3, 4, 5 (minutes) (Speed Wash, Delicate)

**Note:**

'Tub Clean ' is the fixed program, 'WASHING TIME"/"RINSE TIMES/SPIN TIME' is not adjustable.

The adjustable spin duration for the LTL 165MV00 is 0-12 minutes, while the LTL 20MV00 offers 0-9 minutes. (Excludes Speed Wash, Delicate, and Tub Clean cycles.)

## Functions

### Delicate

Before washing wool, fibre, or other delicate materials, check the garment care label.

#### Default Water Level:

- The water level is automatically set to '7'.
- You can adjust the water level between 3 - 10 depending on the laundry load.

#### Steps for Delicate Wash:

1. Open the washer lid and press the Power On/Off button.
2. Press the Program button until the Delicate indicator lights up.
3. If using liquid detergent, dissolve it in 5L of warm water (approximately 30°C), then slowly pour it into the drum.
4. Load the wool or delicate garments into the washing machine.
5. Press the Water Level button to adjust the water level as needed.
6. Close the washer lid.

**Notes:**

- The washing machine will automatically stop before spinning if the washer lid is not closed properly.
- After the cycle finishes, a buzzer will sound and the power will shut off automatically after 5 seconds.
- Turn off the water tap and clean the lint filter after washing.

**Tips:**

- The maximum washing capacity for the 'Delicate' program is 3kg.
- Remove clothes promptly after the cycle ends to prevent deformation.
- Keep the water temperature below 30°C to protect delicate fabrics.
- Separate light-coloured and dark-coloured items.
- Use special detergent designed for wool or delicate fabrics for better washing results and reduced fabric damage.

## Time Delay

Use the Time Delay function to set the appliance to finish washing at a desired time.

Steps:

1. Turn on the water supply and load the laundry. Ensure the drain hose is fitted correctly.
2. Press the Power On/Off button.
3. Select the required Program, Process, and Water Level.
4. Press the Settings button to choose your required Time Delay (i.e., when you want the wash to finish).
  - Time Delay **Range:** 6 → 7 ... 24 → 0 → 1 → 2 → 3 → 4 → 5 hours.
5. Add detergent and close the washer lid.
6. Press the Play/Pause button.

### Notes:

- After approximately one minute, all lights except for the Time Delay indicator will turn off.
- If Child Lock is activated, the Child Lock light will remain on.

## Liquid Detergent

- Pour liquid detergent into the Liquid Detergent Port before starting the wash.
- To prevent detergent build-up, clean the detergent compartment every 2–3 months.

## Two Clean Steps Function

This feature allows the washing machine to start washing once the water level reaches slightly below the set level, ensuring the detergent concentration is higher at the beginning.

### Notes:

- Not available if the selected water level is 1 or 2.
- Not available during the 'Delicate/Duvet' program.
- If 'Soak' is selected, this function will still operate after the soak process.

## Intelligent Memory

- When using Normal, Custom and Powerful programs , the washing machine will automatically remember your last selected program.
- Next time, simply press Power and then Play/Pause to start the last program that ran.

### Notes:

- For Custom programs, the appliance remembers the selected processes (Wash, Rinse and Spin) but does not remember the preset time or water level.

## Child Lock

### To Activate Child Lock:

1. Press the Power On/Off button to switch on the appliance.
2. Press and hold the Child lock button for 3 seconds until a buzzer sounds.
3. Activating the child lock disables all functions on the control panel apart from 'On/Off ' and 'Play/Pause' buttons.

### To Deactivate Child Lock:

Repeat the same steps above.

# Specifications

Specifications	LTL 20MV00	LTL 165MV00
Power supply	220V 50Hz	
Normal washing capacity	20kg	16.5kg
Standard water level (maximum water level)	114L	96L
Standard amount of water used (Normal program)	270L	
Water pressure	0.03-0.8 MPa	
Dimensions	W680mm*D710mm*H1055mm	
Weight	63kg	60kg

## Troubleshooting

When the following problems occur, the microcomputer will detect the abnormal condition and an electronic buzzer sounds for approximately 10 seconds and the indicators will flash as shown below.

Problem	Indicator	Solution
The washer does not work at all		<ul style="list-style-type: none"> <li>• Ensure the 'Power button' has been pressed.</li> <li>• Ensure the 'Start/Pause button' has been pressed.</li> <li>• Check if the washer is under a Preset delay condition.</li> <li>• Check that the power cord is securely plugged in.</li> <li>• Check the home for power failure.</li> <li>• Check whether a fuse has blown or a circuit breaker has tripped.</li> </ul>
Water does not flow into drum or water flow is slim	E1	<ul style="list-style-type: none"> <li>• Turn on the water supply tap.</li> <li>• Confirm that the water supply has not been interrupted.</li> <li>• Check if the metal filter at the water inlet is clogged.</li> <li>• Check if the washer has frozen in cold temperatures.</li> <li>• Confirm that water pressure is sufficient.</li> </ul>

Water does not drain	E2	<ul style="list-style-type: none"> <li>• Check the drain hose for kinks, blockages, or obstructions.</li> <li>• Confirm that the drain hose is not clogged.</li> <li>• Ensure the drain hose is not positioned too high off the ground.</li> </ul>
The drum is not spinning	E3	<ul style="list-style-type: none"> <li>• Check whether laundry is unevenly distributed inside the drum.</li> <li>• Ensure the washer is placed on a level surface.</li> <li>• Make sure the washer lid is fully closed.</li> </ul>
	E4	Close the washing machine lid.
The washing machine will not start the program	E5	<ul style="list-style-type: none"> <li>• Check whether if child lock in enabled.</li> <li>• Check whether the washing machine lid is open.</li> </ul>
Other issue	EA	<ul style="list-style-type: none"> <li>• Turn off the appliance by pressing the Power On/Off button.</li> </ul>
	EC	

**Note:**

The Error codes can be cleared by pressing the 'Play/Pause button' once if you want to release the emergency stop. Then press the 'Play/Pause button' again to resume operation.

## Common Non-Issues

The following situations are normal and do not indicate a malfunction:

1. Water Inlet During Washing or Rinsing
  - Water may continue to enter the tub during washing or rinsing.
  - This is due to the automatic addition of water if the water level decreases.
2. Spin Tub Starts and Stops at Beginning of Spin Cycle
  - The spin tub may intermittently start and stop at the beginning of spinning.
  - This is normal and improves spin efficiency.
3. Water Inlet During Spin Cycle
  - Water may sometimes enter the tub during spinning.
  - This is part of the automatic balance correction if the load is unevenly distributed.
4. Water Flow Sound After Spinning
  - You may hear a sound similar to water flowing after spinning.
  - This is caused by balance liquid inside the Balance Ring, which reduces vibration during spinning.
5. Control Panel Feels Warm After Power Off
  - The control panel may feel slightly warm even after the appliance is powered off.
  - This is due to the operation of the memory circuitry and is normal.







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