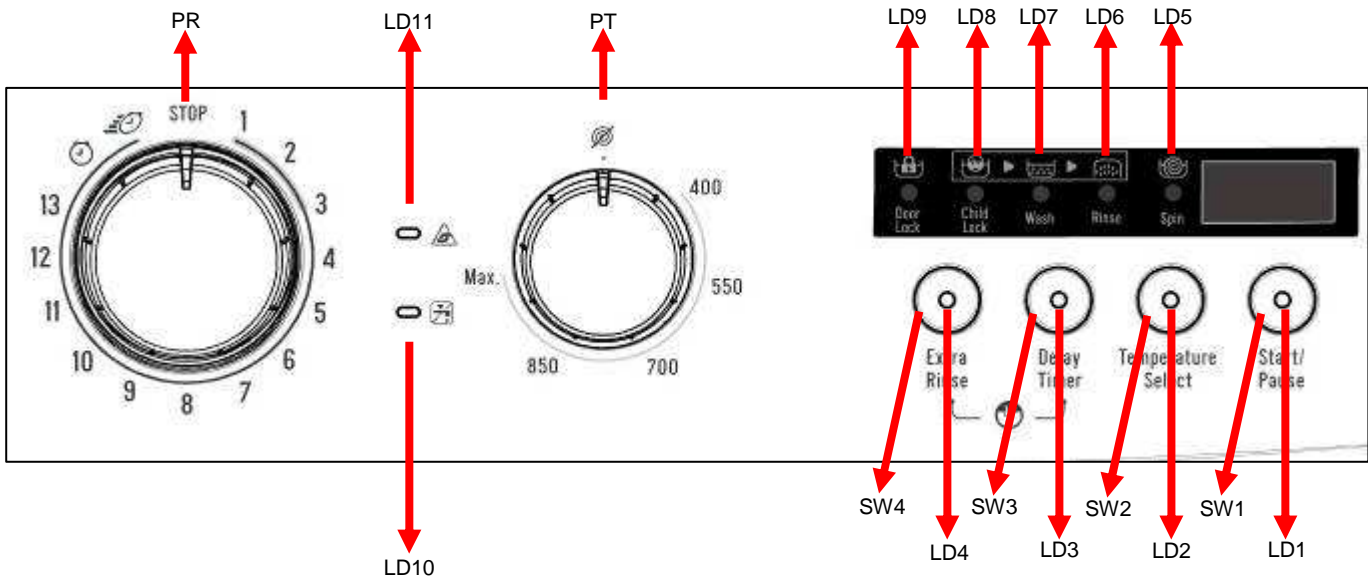


3. Operating Instructions

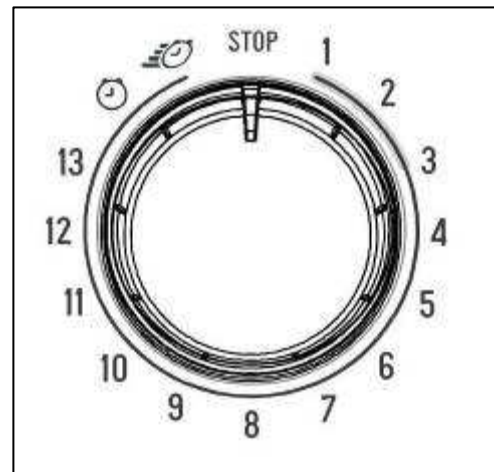
3.1. LCD Screen, Function Buttons & Knobs



PR	Program selector 16 programs with ON/OFF.
SW1	Switch 1, Start / Pause
SW2	Switch 2, Temperature Selection
SW3	Switch 3, Delay Time Function
SW4	Switch 4, Extra Rinse
PT	PT speed potentiometer
LD1	Switch 1- Start/ Pause Led
LD2	Temperature Function Button Led
LD3	Delay Time Function Button Led
LD4	Extra Rinse Function Button Led
LD5	Spin Phase Led
LD6	Rinse Phase Led
LD7	Wash Phase Led
LD8	Child Lock Activation Led
LD9	Door Lock Led
LD10	Lack Of Water Indication Led
LD11	Pump Failure Indication Led

3.2. Program List

Knob Position	Program
Pos1	White Cotton
Pos2	Colorfast Cotton
Pos3	Non-Colorfast Cotton
Pos4	Synthetics
Pos5	Silk
Pos6	Wool
Pos7	Rinse
Pos8	Spin
Pos9	Hand Wash
Pos10	Sports Wear
Pos11	Mix 30°C
Pos12	Blouses/ Shirts
Pos13	Baby Wear
Pos14	Daily 60'
Pos15	Super Rapid 15'
Pos16	STOP



3.3. Program Details

Program Details for 50 lt

50 LT R6 w/o TJ	Water (lt)	Time (hr)	Temperature (°C)	Energy (kwh / cycle)
White Cotton	86	205	95	2,82
Colorfast Cotton	50	205	60	1,19
Non-Colorfast Cotton	58	195	40	0,89
Synthetics	52	105	60	0,84
Silk	84	90	30	0,30
Wool	86	76	40	0,53
Rinse	51	42	WIT	0,13
Spin	*	17	WIT	0,04
Hand Wash	86	100	30	0,32
Sports Wear	53	79	30	0,30
Mix 30°C	65	85	30	0,40
Blouses/ Shirts	49	110	60	1,02
Baby Wear	87	109	50	1,30
Daily 60'	36	60	60	0,90
Super Rapid 15'	36	30	30	0,10

Program Details for 55 lt

55 LT R6 w/o TJ	Water (lt)	Time (hr)	Temperature (°C)	Energy (kwh / cycle)
White Cotton				
Colorfast Cotton				
Non-Colorfast Cotton				
Synthetics				
Silk				
Wool				
Rinse				
Spin				
Hand Wash				
Sports Wear				
Mix 30°C				
Blouses/ Shirts				
Baby Wear				
Daily 60'				
Super Rapid 15'				

* : Programme duration ,Energy and Water Consumption are given for the cycles for programmes are started in set temperature.

WIT : Water Inlet Temperature

- : Programmes do not take water

• Temperature may vary depending on the heating time

• Durations may vary according to wash load (weight and type), tap water and ambient temperature and selected extra functions.

3.5. Child Lock

Activation

1. Press the 1. and 2. function button for 4-5 seconds.
2. The Child Lock Symbol is appear on the lcd display.



Deactivation

1. Press the 1. and 2. function button for 4-5 seconds.
2. The Child Lock Symbol is deleted on the lcd display.



Activation Indication

1. The symbol (I6) makes fast blink for indication and is then fix on.

Child lock during the programme

1. Machine does not respond to any pressing of buttons or changing position of programme knob but option icon makes fast blink to evoke the user.

In end condition

1. When cycle is finished child lock is automatically deactivated.

Deactivation Indication

1. Option icon makes fast blink and is then off.

In Error Mode

1. Child lock will be automatically deactivated when error is detected except NTC (E05) and Voltage (E09) errors.

When E05 and E09 is detected, the child lock will be deactivated at the end of the programme or the user will be able to deactivate it. On other hand, if the user brings the programme knob to zero and then any position during these two error modes, firstly it will show child lock active indication and then the error indication and it will continue the cycle.

4. Test Mode

4.1. Autotest

** This test is for quick checking of the product. You can not see the failure codes.*

1. After selecting spin speed to max, select the program 3



2. While pressing 1. function button, change position of the third to second, and release the 1. function button immediately.



3. Autotest starts.



AUTOTEST													
Time in seconds (to be adjusted)	5	10	15	20	25	30	35	40	45	50	55	60	65
Entering autotest	█	█	█	█	█	█	█	█	█	█	█	█	█
Changing power to 220 50Hz		█											
Main Voltage 50 Hz			█	█	█	█	█	█	█	█	█	█	█
Door Lock Powered (Depends on door lock)			█	█	█	█	█	█	█	█	█	█	█
Motor Ramp to max spin (max. is 15 sec.)				█	█	█	█	█	█	█	█	█	█
Time until motor is stopped (Depends on the motor stop time)							█	█	█	█	█	█	█
Motor Preferred Run (Direction to Right)								█	█	█	█	█	█
Motor Inverse Run (Direction to Left)									█	█	█	█	█
EV1 (flowrate dependent of washer)				█	█	█	█	█	█	█	█	█	█
EV2 (flowrate dependent of washer)						█	█	█	█	█	█	█	█
Test stopped until option 1 is pressed (symbol blinking)											█	█	█
EV1 + EV2 valves up to autotest level frequency (Depends on the water level) (if machine is a hot water one, take water from Hot Valve)												█	█
MTC check												█	█
Heather resistance												█	█
Pump				█	█	█	█	█	█	█	█	█	█
Level test											█	█	█
EPS measurement				█	█	█	█	█	█	█	█	█	█
End Visualization													█

Ntc detection : Software will detect NTC's resistance value and will check if the temperature is between $5^{\circ}\text{C} < \text{Temperature detected} < 40^{\circ}\text{C}$. If it is inside the range, heating step will be done.
 If temperature value is outside the range, then it means NTC is detecting the temperature in a wrong way and heating step will be skipped.

EPS measurement: It checks the EPS and if it OK, it continues the autotest; if it is Not OK then cancel the Autotest and go to the selection mode. Also if any frequency can not be detected, then it means there is problem with connection or EPS, so it gives E10 which is EPS error and cancels the autotest & goes to the selection mode.

5. Service Mode

5.1. Service Autotest

End users can only see E1-E2-E3-E4. During service autotest, other failures can be seen.

1. Set program knob at position 3 after selection spin speed to max.
2. While pressing the T °C (Sw2) button, keeping T °C (Sw2) button pushed, turn program knob to position 2, release T °C (Sw2) button change position of the third to second, and remove the T °C button within 1 second.

	Selector Position 1	Selector Position 2	Selector Position 3
	Result	Result	Result
	HEATER ON	PUMP ON	TEST PROGRAM ON
Comments :	When entering in service test, door will be locked.		Test is over Door will be unlocked, machine will go to ENS state.

The test steps are as below ;

Step 1 :

Selector Position 1 will be "HEATER ON"

Before heating it should take water till first level frequency then start heating.

Heater will be on max. 8 minutes after this 8 minutes if the temp. doesn't change more than 2 °C then it will give NTC failure. (E05).

Or if the NTC connection is broken then it should give again E05 NTC failure.

At the end of heating, "SAU" visualization should make slow blink to indicate that the step is over.

Note : If user changes the selector position, machine will do what is defined for the new selected position.

Step 2 :

Selector Position 2 will be "PUMP ON"

Temperature will be measured, if it is higher than 50 °C, it should take 60 sec. cooling water, and then make "Drain + 5 sec."

At the end of pump activation, "SAU" visualization should make slow blink to indicate that the step is over.

Step 3 :

Selector Position 3 will be 15 minutes test program.

So machine will make exactly the same algorithm of 15 minutes test program.

At the end of 15 minutes test program "END" is visualized and door is unlocked. During test pressing other buttons makes no change.

LD1 Start / Pause button Led → ON
LD6 Wash Phase Led → Off
LD7 Rinse Phase Led → Off
LD8 Spin Phase Led → Off
LD9 Door Lock Led → When the door is unlocked it will be off
LD2, LD3, LD4 → Off
Display → "END"

5.2. Failure Codes

Error Indication	Error Number	Indication For User	Indication For Service
		Yes/No	Yes/No
Door is not locked	E01	Yes	Yes
Door is unlocked during programme	E01	Yes	Yes
Lack of water	E02	Yes	Yes
Pump failure	E03	Yes	Yes
Overflow	E04	Yes	Yes
NTC or Heater Failure	E05	No	Yes
Motor Failure - 1 (Tachometer open-short circuit or motor connector is disconnected)	E06	No	Yes
Motor Failure - 2 (triac short circuit)	E08	No	Yes
Electronic Pressure Sensor	E10	No	Yes

6. Troubleshooting Guide

All repairs which must be done on the machine should be done by authorized agents only. When a repair is required for machine or you are unable to eliminate the failure with the help of the information given below:

- Unplug the machine.
- Close the water tap.

FAILURE	PROBABLE CAUSE	METHODS OF ELIMINATION
Machine does not operate.	It is unplugged.	Insert the plug into the socket.
	Fuse is defective.	Change fuse.
	Start / Pause button has not been pressed.	Press the start / pause button.
	The program knob is in 0 (off) status.	Bring the program knob on the desired status.
	The door is not shut properly.	Shut the door properly. You should hear the click.
Machine does not receive water.	Child lock is active.	See page 9.
	Water tap is closed.	Open water tap.
	The water inlet hose may be bent.	Check the water inlet hose.
	The water inlet hose is obstructed.	Clean the filters of water inlet hose.
	The water inlet filter is obstructed.	Clean the valve inlet filters.
Machine is not draining water.	The door is not shut properly.	Shut the door properly. You should hear the click.
	The drain hose is obstructed or bent.	Check the drain hose.
	The pump filter is obstructed.	Clean the pump filter.
Machine is vibrating.	The clothes are not placed inside the machine in a well-balanced manner.	Spread the clothes inside the machine in an orderly and well-balanced manner.
	The feet of machine are not adjusted.	Adjust the feet.
	Transportation screws are not removed.	Remove transportation screws.
	There is a small amount of clothes in the device.	It does not prevent operation of the machine.
	Excessive amount of clothes are filled in the machine or the clothes are not placed in a well-balanced manner.	Do not exceed the recommended quantity of clothes and spared clothes in the machine in a well-balanced manner.

FAILURE	PROBABLE CAUSE	METHODS OF ELIMINATION
Excessive foam in the detergent drawer	Too much detergent has been used.	Press the start/pause button. In order to stop the foam, dilute one table-spoon of softener in half liter of water and pour it in the detergent drawer. Press the start/pause button after 5-10 minutes. Arrange the amount of the detergent properly in the next washing process.
	Wrong detergent has been used.	Use only the detergents produced for full automatic machines.
The washing result is bad.	Laundry too dirty for the program you have selected.	Select a suitable program.
	The amount of detergent used is not sufficient.	Use more detergent according to the detergent.
The washing result is not good.	Clothes exceeding the maximum capacity has been filled in machine.	Put the clothes in machine in a manner not to exceed its maximum capacity.
	Water may be hard.	Use the amount of detergent according to the declaration of the detergent producer.
	Distribution of the clothes in machine is not well-balanced.	Spread the clothes inside the machine in an orderly and well-balanced manner.
The water is seen in the drum during washing.	No failure. The water is at the lower part of the drum.	
There are residues of detergent on the clothes.	The pieces of some detergents which do not dissolve in water may stick to clothes as white stains.	By calibrating machine for "Rinsing" program, make an additional rinsing or eliminate the stains After drying with the help of a brush.
There are grey stains on the clothes.	These stains may be caused by oil, cream or ointment.	In the next washing operation, use the maximum detergent amount declared by the detergent producer.
The spinning process is not done or starts with delay.	No failure. The unbalanced load control works in that way.	The unbalanced load control system will try to distribute clothes in a homogenous manner. After clothes are distributed, passage to spinning process will be realized. In the next washing process, place clothes into the machine in a well-balanced manner.