



# User manual Washing machine

HW90-BPD13386U1

EN

# Haier

## Thank you for purchasing a Haier Product.

Please read these instructions carefully before using this appliance. The instructions contain important information which will help you get the best out of the appliance and ensure safe and proper installation, use and maintenance.

Keep this manual in a convenient place so you can always refer to it for the safe and proper use of the appliance.

If you sell the appliance, give it away, or leave it behind when you move house, make sure you also pass this manual so that the new owner can become familiar with the appliance and safety warnings.

### Legend



#### Warning – Important Safety information



General information and tips



Environmental information

### Disposal



Help protect the environment and human health. Put the packaging in applicable containers to recycle it. Help to recycle waste of electrical and electronic appliances. Do not dispose appliances marked with this symbol with the household waste. Return the product to your local recycling facility or contact your municipal office.



### WARNING!

#### Risk of injury or suffocation!

Disconnect the appliance from the mains supply. Cut off the mains cable and dispose of it. Remove the door catch to prevent children and pets to get closed in the appliance.



### WARNING!

The appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by a utility.



### Note: Pictures

All pictures are schematic

1-Safety information.....	4
2-Product description .....	8
3-Control panel .....	9
4-Consumption.....	11
5-Daily use .....	12
6-hOn.....	17
7-Eco friendly use.....	20
8-Care and cleaning .....	21
9-Troubleshooting .....	24
10-Installation.....	28
11-Technical data.....	32
12-Customer service.....	33

**Before switching on the appliance for the first time read the following safety hints!:**



## **WARNING!**

### **Before first use**

- ▶ Make sure there is no transport damage.
- ▶ Make sure all transport bolts are removed.
- ▶ Remove all packaging and keep out of children's reach.
- ▶ Handle the appliance always with at least two persons because it is heavy.

### **Daily use**

- ▶ This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- ▶ Keep away children under 3 years of age from the appliance unless they are constantly supervised.
- ▶ Children shall not play with the appliance.
- ▶ Do not let children or pets come close to the appliance when the door is open.
- ▶ Store washing agents out of reach of children.
- ▶ Pull up zips, fix loose threads and take care for small items to prevent laundry from being entangled. If necessary, use an appropriate bag or net.
- ▶ Do not touch or use the appliance when barefoot or with wet or damp hands or feet.
- ▶ Do not cover or encase the appliance during operation or afterwards to allow any moisture or dampness to evaporate.
- ▶ Do not place heavy objects or sources of heat or damp on top of the appliance.
- ▶ Do not use or store flammable detergent or dry cleaning agent in close vicinity to the appliance.
- ▶ Do not use any flammable sprays in close vicinity to the appliance.
- ▶ Do not wash any garments treated with solvents in the appliance without having dried them previously in the air.
- ▶ Do not remove or insert the plug in the presence of flammable gas.



## WARNING!

### Daily use

- ▶ Do not hot wash foam rubber or sponge-like materials.
- ▶ Do not wash any laundry which is polluted with flour.
- ▶ Do not open detergent drawer during any wash cycle.
- ▶ Do not touch the door during the washing process, it gets hot.
- ▶ Do not force the door to open. The door is fitted with a self-lock device and will open shortly after the washing procedure is ended.
- ▶ Switch off the appliance after each wash programme and before undertaking any routine maintenance and disconnect the appliance from the electrical supply to save electricity and for safety.
- ▶ Hold the plug, not the cable, when unplugging the appliance.
- ▶ Do make sure the room is dry and well ventilated. The ambient temperature should be between 5°C and 35°C.
- ▶ Do not cover any ventilation openings in the base by a carpet or similar object.
- ▶ Keep the area around the appliance free of dust and lint.
- ▶ Do make sure that there is only laundry inside the appliance and no children or pets before you use it.
- ▶ Only dry textiles washed in water.
- ▶ Do make sure not to load more than nominal load.
- ▶ Remove all items such as lighters and matches from pockets.
- ▶ Use fabric softeners or similar products as specified by the manufacturer's packaging.
- ▶ Notice that the last part of the drying cycle occurs without heat (cool down cycle) to ensure the remaining garments are at a temperature which does not damage them.
- ▶ Do not leave the appliance unattended during run time for some time. If a long absence is intended, the drying cycle has to be interrupted by switching off the unit and unplugging the mains.
- ▶ Do not switch off the appliance, except drying cycle is finished, unless all items are quickly removed and spread out that the heat



## WARNING

### Daily use

Do not dry following items in the appliance:

- ▶ Items which are unwashed.
- ▶ Items which have been contaminated with inflammable substances such as cooking oil, acetone, alcohol, benzine, petrol, kerosene, spot removers, turpentine, waxes, wax removers or other chemicals. The fumes can cause a fire or explosion. These items must always be washed first by hand in hot water with an extra amount of detergent and then be dried in the open air before drying in the appliance.
- ▶ Items which contain padding or fillings (e.g. pillows, jackets,) as the filling can get out with the risk of igniting in the appliance.
- ▶ Items which contain a large proportion of rubber, foam rubber (latex foam) or rubber like materials such as shower caps, water-proof textiles, rubberised articles and items of clothing and pillows with foam rubber filling.

Switch off the appliance after each drying programme to save electricity and for safety.

### Maintenance / cleaning

- ▶ Make sure children are supervised if they carry out cleaning and maintenance.
- ▶ Disconnect the appliance from the electrical supply before undertaking any routine maintenance.
- ▶ Do not use water spray or steam to clean the appliance.
- ▶ Replace a damaged supply cord only by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- ▶ Do not try to repair the appliance by yourself. In case of repair please contact our customer service.
- ▶ Remove all foreign objects such as metal objects, chemicals, fragile goods, lighted candles, lighted cigarettes etc. from the appliance.

**WARNING****Installation**

- ▶ The appliance should be placed in a well-ventilated place.
- ▶ Never install the appliance outdoors in a damp place, or in an area which may be prone to water leaks such as under or near a sink unit. In the event of a water leak cut power supply and allow the machine to dry naturally.
- ▶ Install or use the appliance only where the temperature is above 5 °C.
- ▶ Do not place the appliance directly on a carpet, or close to a wall or furniture.
- ▶ Do not expose the appliance to any frost, heat or direct sunlight or in the near of heat sources(e.g. stoves, heaters).
- ▶ Make sure that the electrical information on the rating plate agrees with the power supply. If it does not, contact an electrician.
- ▶ Do not use multi-plug adapters and extension cables.
- ▶ Make sure only the delivered electric cable and hose set are used.
- ▶ Make sure not to damage the electric cable and the plug. If damaged have it replaced by an electrician.
- ▶ For the power supply, use a separate earthed socket which is easily accessible after installation. The appliance must be earthed.  
**Only for UK:** The appliance's power cable is fitted with 3-cord (grounding) plug that fits a standard 3-cord (grounded) socket. Never cut off or dismount the third pin (grounding). After the appliance is installed, the plug should be accessible.
- ▶ Make sure the hose joints and connections are firm and there is no leakage.

**Intended use**

This appliance is intended for washing machine-washable laundry only. Anytime follow the instructions given on the label of each garment label. It is designed exclusively for domestic use inside the house. It is not intended for commercial or industrial use.

Changes or modifications to the device are not allowed. Unintended use may cause hazards and loss of all warranty and liability claims.

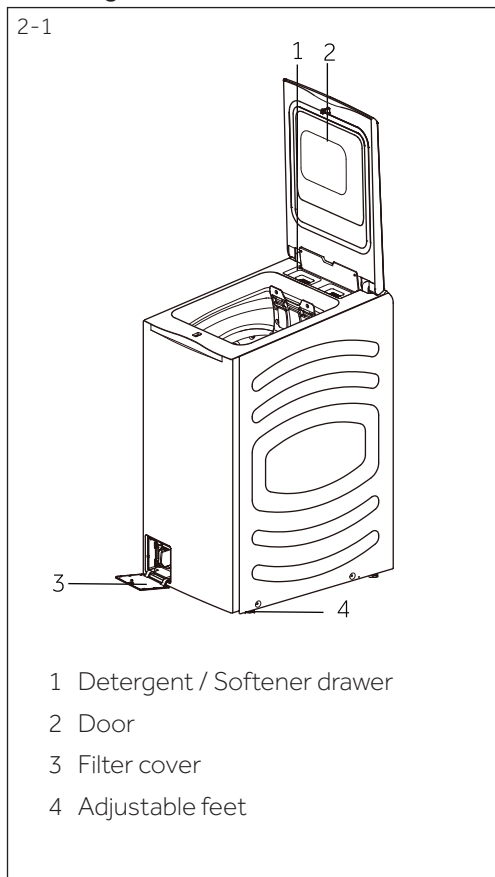


## Note: Deviations

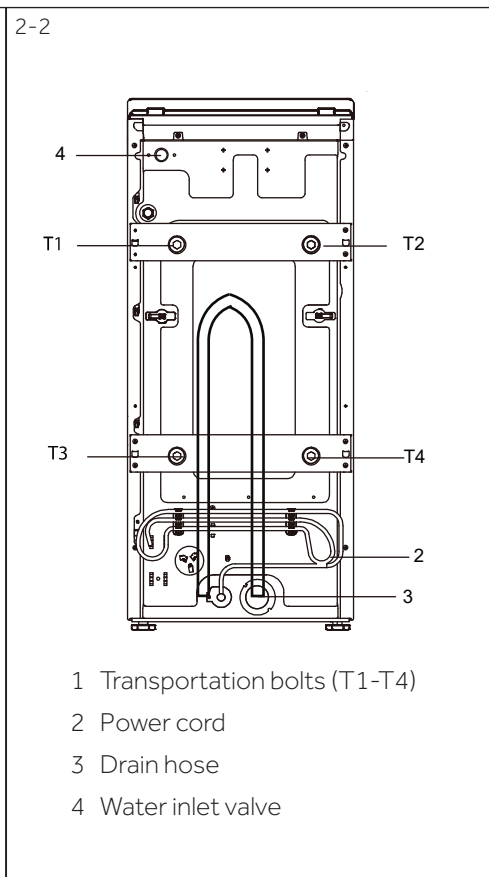
Due to technical changes and different models, the illustrations in the following chapters may differ from your model.

### 2.1 Picture of appliance

Front (Fig. 2-1):

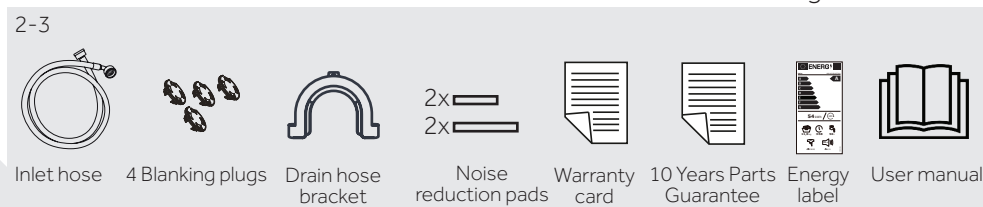


Rear side (Fig. 2-2):



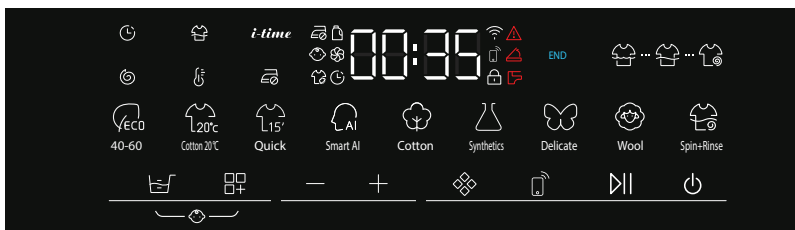
### 2.2 Accessories

Check the accessories and literature in accordance with this list (Fig. 2-3)





3-1



- |                      |                                 |                        |
|----------------------|---------------------------------|------------------------|
| 1 "Power" button     | 3 Detergent/<br>Softener drawer | 5 Parameter adjustment |
| 2 Programme selector | 4 Parameter selector            | 6 "Start/Pause"        |
|                      |                                 | 7 Network              |

### **i** Note: Acoustic signal

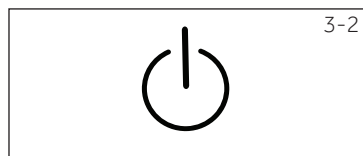
In following cases, an acoustic signal is no sounds by default:

- ▶ when pressing the button
- ▶ when turning the programme selector
- ▶ at the end of programme

The acoustic signal can be selected if necessary: see DAILY USE (P20, 6.13)

### 3.1 "Power"button

Touch this button (Fig. 3-2) gently to switch on, the display is shining, the indicator of the "Start/Pause" button is flashing. Touch it again for about 2 sec. to switch off. If no panel element or programme is activated after a while machine will shut down automatically.



3-2

### 3.2 Programme selector

By turning the knob (Fig. 3-3) one of 9 programmes can be selected, related LED will light up, its default settings will be displayed.



3-3







3-4



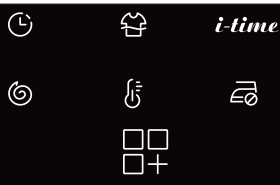
## 3.3 Display

The display (Fig. 3-4) shows following information:

- ▶ Washing time
- ▶ End time delay
- ▶ Error codes and service information
- ▶ Display symbols
- ▶ Speed, Temperature, etc.

Symbols	Meaning	Symbols	Meaning
	Drum door is locked		Alarm
	Control panel is locked		No ironing required
	Appliance is connected to WiFi		Delay

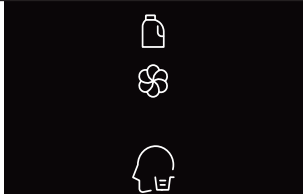
3-5



## 3.4 Parameter selector

The parameter selector (Fig.3-5) options in the selected parameter before programme starts. The related indicators are displayed. By touch "+/-" button to adjust the parameter.

3-6



## 3.5 Detergent/softener drawer

Touch this button (Fig. 3-7), to turn on/off the smart dosing of detergent/softener.

Scan QR code on energy label for energy consumption information.






The actual energy consumption may differ from the declared one according to local conditions.

Enter the European standard test procedure:

1 :Select "Eco 40-60", then touch the "Start" button, enter the washing performance programme.

2 :Select "Eco 40-60", touch the "Dry level" button, then touch the "Start" button, enter the drying performance programme.

### Indicative information (as per Commission Regulation (EU) 2019/2023):

Rated Capacity	Programme	 (kg)	 (HH:MM)	 (kWh/cycle)	 (L/cycle)	Max. Temperature (°C)	Effective Speed (RPM)	 Residual Moisture (%)
9 kg	Eco 40-60	9.0	3:48	0.750	68.0	30	1330	52.0
	Eco 40-60	4.5	2:52	0.510	40.0	30	1330	52.0
	Eco 40-60	2.5	2:45	0.265	32.0	25	1330	55.5
	Eco 40-60+Dry Level (👕👖)	6.0	8:50	3.820	98.0	26	-	0.0
	Eco 40-60+Dry Level (👕👖)	3.0	5:20	1.960	66.0	25	-	0.0
	Cotton 20°C	9.0	0:53	0.330	80.0	20	1000	65.0
	Cotton 60°C	9.0	1:57	2.000	80.0	57	1400	55.0
	Wool 30°C	1.0	0:45	0.380	40.0	30	800	37.0
10 kg	Quick15'30°C	1.0	0:23	0.380	40.0	30	1000	65.0
	Eco 40-60	10.0	3:58	0.860	78.0	32	1330	52.0
	Eco 40-60	5.0	2:58	0.540	48.0	30	1330	52.0
	Eco 40-60	2.5	2:48	0.265	35.0	25	1330	55.5
	Eco 40-60+Dry Level (👕👖)	6.0	8:50	3.820	98.0	26	-	0.0
	Eco 40-60+Dry Level (👕👖)	3.0	5:20	1.960	66.0	25	-	0.0
	Cotton 20°C	10.0	0:53	0.310	85.0	20	1000	65.0
	Cotton 60°C	10.0	1:46	2.000	85.0	57	1400	55.0
	Wool 30°C	1.0	0:45	0.400	40.0	30	800	37.0
	Quick15'30°C	1.0	0:23	0.400	40.0	30	1000	65.0

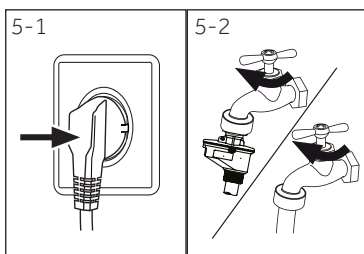


### Note: Auto Weight

The appliance is equipped with a loading recognition. At low loading, energy, water and washing time will be reduced automatically in some programmes.

The display default time may vary depending on the load weight, involving the "Smart, Synthetics, Cotton, Cotton 20°C, Eco 40-60" programme.

The values given for programmes other than the Eco 40- 60 programme and the dry cycle are indicative only.



## 5.1 Power supply

Connect the washing machine to a power supply (220V to 240V~/50Hz; Fig. 5-1). Please refer also to section INSTALLATION (see P28).

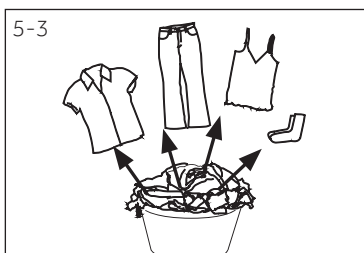
## 5.2 Water connection

- ▶ Before connecting check the cleanliness and clarity of the water inlet.
- ▶ Turn on the tap (Fig. 5-2).



### Note: Tightness

Before use check for leakage in the joints between the tap and the inlet hose by turning on the tap.



## 5.3 Preparing laundry

- ▶ Sort out clothes according to fabric (cotton, synthetics, wool or silk) and to how dirty they are (Fig. 5-3). Pay attention to the care labelling of washing labels.
- ▶ Separate white clothes from coloured ones. Wash coloured textiles first by hand to check if they fade or run.
- ▶ Empty pockets (keys, coins, etc.) and remove harder decorative objects (e.g. brooches).
- ▶ Garments without hems, delicates and finely woven textile such as fine curtains are to be put into a wash bag to care for this delicate laundry (hand or dry cleaning would be better).
- ▶ Close zippers, velcro fastener and hooks, make sure the buttons are sewn on tightly.
- ▶ Place sensitive items like laundry without firm hem, delicate underwear (Dessous) and small items such as socks, belts, bras, etc. in a wash bag.
- ▶ Unfold large pieces of fabric such as bed sheets, bedspreads etc.
- ▶ Turn jeans and printed, decorated or color-intensive textiles inside out; possibly wash separately.



### Note: Special hints for drying

- ▶ Sort clothes according to fabric (cotton, synthetics, etc.) desired dry level and equal residual moisture. Follow the instructions on the laundry label and dry only machine-dryable garments
- ▶ Spin the laundry with the maximum spin speed before drying.
- ▶ Do not exceed the max. load.
- ▶ Extra large pieces tend to wind up. If the laundry has not been sufficiently dry, loosen up the laundry and dry again with programme DRY.
- ▶ Especially delicate fabrics which can easily shrink or lose their shape, as well as e.g. silk stockings, lingerie etc. should not be dried with the appliance. Put delicate garments inside a laundry bag and avoid overdrying them.
- ▶ Jersey and knitwear should not be dried to avoid shrinkage.

## 5.4 Care chart

Washing			
	Washable up to 95°C normal process	 Washable up to 60°C normal process	 Washable up to 60°C mild process
	Washable up to 40°C normal process	 Washable up to 40°C mild process	 Washable up to 40°C very mild process
	Washable up to 30°C normal process	 Washable up to 30°C mild process	 Washable up to 30°C very mild process
	Wash by hand max. 40°C		Do not wash
Bleaching			
	Any bleaching allowed	 Only oxygen/ non -chlorine	 Do not bleach
Drying			
	Tumble drying possible normal temperature	 Tumble drying possible lower temperature	 Do not tumble dry
	Line drying	 Flat drying	
Ironing			
	Iron at a maximum temperature up to 200 °C	 Iron at a medial temperature up to 150°C	 Iron at a low temperature up to 110 °C; without steam (steam ironing may cause irreversible damage)
	Do not iron		
Professional Textile Care			
	Dry cleaning in tetra-chloroethene	 Dry cleaning in hydrocarbons	 Do not dry clean
	Professional wet clean	 Do not professional wet clean	

Not all of these symbols are displayed in the appliance menu.

## 5.5 Loading the appliance

- ▶ Put in the laundry piece by piece into the drum.
- ▶ Don't overload. Note the different maximum load according to programmes. Check if you can put a hand upright on top of the load.
- ▶ Close the door carefully. Make sure that no pieces of laundry are pinched.

**CAUTION!**

Non-textile, as well as small, loose or sharp-edged items may cause malfunctions and damage of clothes and appliance.

## 5.6 Selecting detergent

- ▶ Washing efficiency and performance is determined by used detergent quality.
- ▶ Use only machine wash approved detergent.
- ▶ If needed use specific detergents, e.g. for synthetic and woolen fabric.
- ▶ Mind always detergent manufacturer recommendations.
- ▶ Do not use dry cleaning agents such as trichloroethylene and similar products.

Programme	Kind of detergent				
	Universal	Colour	Delicate	Special	Softener
Cotton	L/P	L/P	-	-	o
Wool	-	-	L/P	L/P	o
Delicate	-	L/P	-	-	o
Quick 15'	L	L	-	-	o
Dry	-	-	-	-	-
Cotton 20°C	L/P	L/P	-	-	o
Remote 	L/P	L/P	-	L	-
Duvet	-	-	L	L/P	-
Synthetics	-	L/P	-	-	o
Smart	L/P	L/P	-	-	o
Spin	-	-	-	-	-
Eco 40-60	L/P	L/P	-	-	o

L = gel-/liquid detergent

P = powder detergent

O = optional

- = no

If using liquid detergent, it is not recommended to activate the time delay.

We recommend by using:

- ▶ Laundry powder: 20°C to 90°C\* (best use: 40-60°C)
- ▶ Color detergent: 20°C to 60°C (best use: 30-60°C)
- ▶ Wool/delicate detergent: 20°C to 30°C (= best use: 20°C to 30°C)

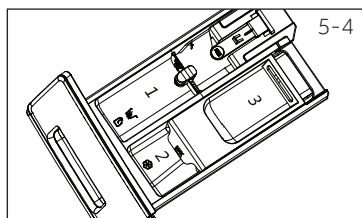
\* Choose 90 °C wash temperature only for special hygienic requirements.

\* If you choose the water temperature 60°C or above, we would like to advise you to use less detergent. Please kindly use the special disinfectant, which is suitable for cotton or synthetic cloth.

\* It is better to use less or free suds detergent powder.

### 5.7 Adding detergent

1. Slide out the detergent drawer.
2. Put the required chemicals into corresponding compartments (Fig. 5-4)
3. Push back the drawer gently.

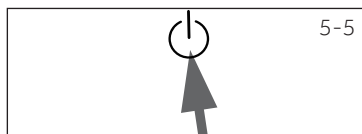


#### Note:

- ▶ Remove detergent residues before next wash cycle from the detergent drawer.
- ▶ Do not overuse detergent or softener.
- ▶ Please follow the instruction on the detergent package.
- ▶ Always fill the detergent just before the beginning of the wash cycle.
- ▶ Concentrated liquid detergent should be diluted before adding.
- ▶ Do not use liquid detergent if "Delay" is selected.
- ▶ Carefully choose the programme settings according to the care symbols on all laundry labels and according to the programme table.

### 5.8 Switch on the appliance

Touch the "Power"- button to switch on the appliance (Fig. 5-5). The LED of the "Start/Pause" button is flashing.



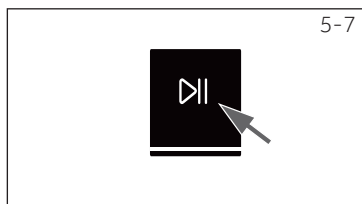
### 5.9 Select a programme

To get the best washing results, select a programme which fits the degree of soiling and sort of laundry type.



### 5.10 Start wash programme

Touch "Start/Pause" button (Fig. 5-7) to start. The LED of the "Start/Pause" button stops flashing and lights up continuously. Appliance operates according to present settings. Changes are only possible by cancelling the programme.



## 5.12 Interrupt / cancel wash programme

To interrupt a running programme press gently "Start/Pause". The LED above the button is flashing. Press it again to resume operation.

To cancel a running programme and all its individual settings

1. Touch "Start/Pause" button to interrupt the running programme.
2. Turn the knob directly to select a new program and start it.
3. When the water level is lower than the water level set by the new program, water will enter.

## 5.13 After washing



### Note: Door lock

- ▶ For safety reasons the door is locked partially during the washing cycle. It is only possible to open the door at the end of the programme or after the programme was cancelled correctly (see description above).
- ▶ In case of high water level, high water temperature and during spinning it is not possible to open the door; **Lock** is displayed

1. At programme cycle end **End** is displayed.
2. The appliance switches off automatically.
3. Remove laundry as soon as possible to go easy on it and to prevent more wrinkling.
4. Turn off the water supply.
5. Unplug the power cord.
6. Open the door to prevent formation of moisture and odours. Let it open while not used.
7. Small clothes are easy to stick to the wall after high-speed swing drying, please do not omit when opening the door to pick up clothes.



### Note: Standby mode / energy-saving mode

The switched on appliance will go into standby-mode if it will not be activated within 2 minutes before starting the program or at the end of program. The display switches off. This saves energy. To interrupt the standby mode push "Power" button.

## 5.14 Activate or deactivate the buzzer

1. Operation method: In standby mode, select the "cylinder self-cleaning" program, and select "and" - "for 3 seconds to display **"bEEP off"** to cancel the sound and **"bEEP on"** to turn on the sound.
2. In silent mode, except for canceling the alarm sound, other sounds including prompt sound are not affected if there is no prompt sound itself (such as Unb).
3. Mute mode is for users to use, requiring them to be able to see the combination of keys during use and not to operate blindly.





### Note: Deviations

Due to constant updates of hOn, the functions and the display interface of the APP may differ from the following description.

## 6.1 General

This appliance is Wi-Fi enabled. With hOn APP you can use your smartphone to control the program.



### WARNING!

Please observe the safety precautions in this user manual and make sure that these are complied with even when operating the appliance via the hOn APP while you are away from home. You must also follow the instructions in the hOn.

## 6.2 Requirements

1. One wireless router (802.11b/g/n protocol) which supports only the frequency band of 2.4 GHz. Length of Router SSID is 1-31 characters(including 1 and 31), and password is 8-64 characters. Minimum length of password must be 8 characters. Router encryption methods include open, WPA-PSK and WPA2-PSK.
2. The App is available for devices running Android, Huawei or iOS, both for tablets and for smartphones.
3. The appliance shall be installed in a position where it can receive a strong Wi-Fi signal. Once the appliance has been correctly associated with the APP, if it's not properly connected to the wireless router, no Wi-Fi icon appears on the display

## 6.3 Download and installation of hOn APP:

Download the hOn App on your device by framing the following QR code:



or by the link: [go.haier-europe.com/download-app](http://go.haier-europe.com/download-app)

Frequency rate (OFR)	2400 MHz - 2483,5 MHz
Max. power (ERP)	20dBm
Wireless standard	IEEE802.11b/g/n & BLE V4.2



### Note: Registration

Registration is required when first time to use or the formal account has been deleted/ closed. For further use, you need to enter user name and password after you log in.

## 6.4 Registration and App Pairing

1. Connect the smartphone to the home Wi-Fi network you want to connect the product to.
2. Open the App.
3. Create the user profile (or log-in if it is already created previously)
4. Close the door
5. Pairing the appliance following the instructions on the device display.



### Note: Wi-Fi Network

It is not possible to connect the appliance to a public Wi-Fi network. It may cause malfunction.



### Note: Use same Wi-Fi

Connect with your smartphone to the network you want to connect the product to.

## 6.5 Enable Remote Control

1. Check that the router is switched on and connected to the Internet.
2. Load the laundry and close the door.
3. Select the "Remote" programme, the door locks.
4. Start the cycle using the app, control panel will be disabled except for "Power" and "Start/Pause" button.
5. Once the cycle has been completed, the door unlocks and the remote control turns off.
6. After 2 minutes the appliance goes to off mode.



### Note: Remote control expiration

Once the remote control is activated, if the end user doesn't start any cycle from app in 10 minutes, the appliance will go to Networked Delay Start Mode, and keeps remote control up to 24 hours, then shut off.

## 6.6 Disable Remote Control

1. To exit remote control while a cycle is running, press "Start/Pause" button on the control panel. The cycle will pause and "Remote" will blink.
2. If conditions permit, the door will unlock.
3. To resume the cycle, close the door and press "Start/Pause" button. The remote control will be reactivated and "Remote" will be fixed.
4. Control the appliance using the app.

## 6.7 End of Cycle With Remote Control On

1. At the end of the cycle, the door will unlock and the remote control will deactivate.
2. After 2 minutes the appliance will automatically switch off.

**Note: Network credentials cancellation/reset**

Follow this procedure only if you are going to sell your washer.

**7.8 Network credentials cancellation**

1. Select "Remote" programme;
2. "hOn"/"hOFF" displayed;
3. Long press "Delay" button for 5 seconds till "PAr" displayed.
4. Configuration information is deleted and reset configuration. Rotate the knob to select other programme or shut down to exit.



## Environmentally responsible use

### Washing

- ▶ To achieve best use of energy, water, detergent and time you should use the recommended maximum load size.
- ▶ Do not overload (hand width clearance above laundry).
- ▶ For slightly soiled laundry select the Quick 15' programme.
- ▶ Apply exact dosages of each washing agent.
- ▶ Choose the lowest adequate washing temperature - modern detergents are efficiently cleaning below 60°C.
- ▶ Raise default settings only due to heavy staining.
- ▶ Spin the laundry with the maximum spin speed if you want to use a drying programme afterwards.

### Drying

- ▶ Use the maximum filling amount of about 6kg.
- ▶ Loosen up the laundry before starting the drying programme.
- ▶ Do not use softener when washing, because the laundry will become fluffy and soft in the dryer programme.



### Note: General information:

- ▶ The "Eco 40-60" programme is able to clean normally soiled cotton laundry declared to be washable at 40°C or 60°C, together in the same cycle, and that this programme is used to assess the compliance with the EU ecodesign legislation;
- ▶ The most efficient programmes in terms of energy consumption are generally those that perform at lower temperatures and longer duration;
- ▶ Noise and remaining moisture content are influenced by the spinning speed: the higher the spinning speed in the spinning phase, the higher the noise and the lower the remaining moisture content.

## 8.1 Cleaning the machine

- ▶ Unplug the machine during cleaning and maintenance.
- ▶ Use a soft cloth with soap liquid to clean the machine case (Fig. 8-1) and rubber components.
- ▶ Do not use organic chemicals or corrosive solvents.

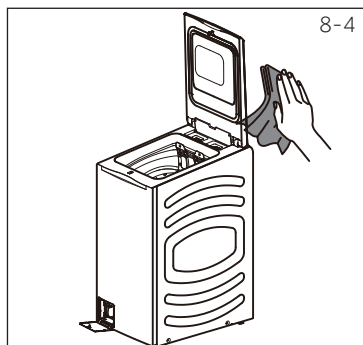
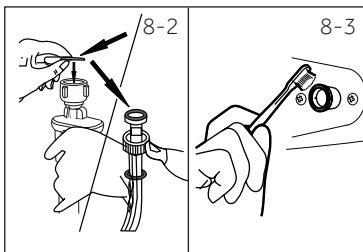
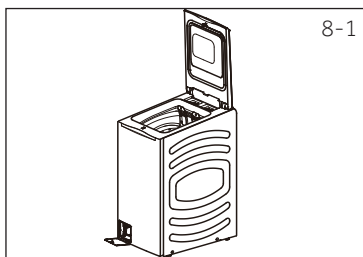
## 8.2 Water inlet valve and inlet valve filter

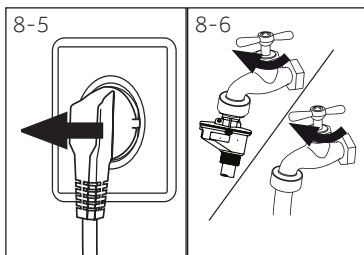
To prevent blockage of water supply by solid substances like lime clean regularly the inlet valve filter.

- ▶ Unplug the power cord and turn off the water supply.
- ▶ Unscrew the water inlet hose at the back (Fig. 8-2) of the appliance as well as on the tap.
- ▶ Flush the filters with water and a brush (Fig. 8-3).
- ▶ Insert the filter and install the inlet hose.
- ▶ Turn on the tap to see if it leaks.

## 8.3 Cleaning the drum and gasket

- ▶ Remove accidentally washed items, especially metal parts such as pins, coins, etc. from the drum and the groove of the door gasket (rubber ring) because they cause rust stains and damage.
- ▶ Use a non-chloride cleaner for removing rust stains. Observe the warning hints of the cleaning agent manufacturer.
- ▶ Do not use any hard objects or steel wool for cleaning.
- ▶ After the procedure, open the door, use a towel to clean the stains and foam around the gasket, and keep the inside and outside of the gasket clean (Fig. 8-4).



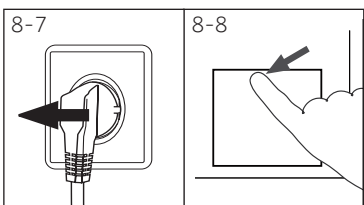


## 8.4 Long periods of disuse

If the appliance is left idle for a longer period:

1. Pull out the electrical plug (Fig. 8-5).
2. Turn off water supply (Fig. 8-6).
3. Open the door to prevent formation of moisture and odours. Let door open while not used.

Before next usage check carefully power cord, water inlet and drain hose. Make sure everything is properly installed and without leakage.



## 8.5 Pump filter

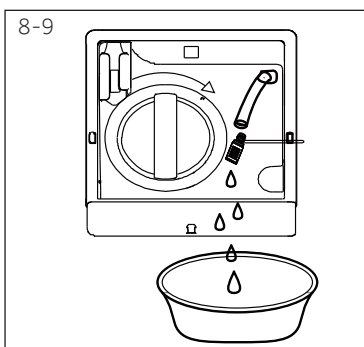
Clean the filter once a month and check the pump filter for instance if the appliance:

- ▶ Doesn't drain the water.
- ▶ Doesn't spin.
- ▶ Cause unusual noise while running.



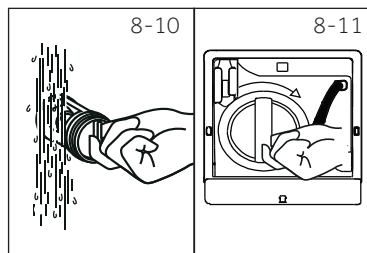
### WARNING!

Scalding Risk! Water in the pump filter can be very hot! Before any action please ensure water has cooled down.



1. Run a single dehydration program for drainage.
2. After the program ends, unplug the power plug from the socket.
3. After the water inside the machine is discharged, press the filter door, and the door will automatically pop open.
4. Gently pull out the flow, unplug the flow and block it, and drain the remaining water in the pipe. Then block the pipe and push the flow back to its original position and secure it.
5. Twist the filter handle counterclockwise by hand to remove the filter.
6. Remove the threads and debris from the filter, and rinse the filter clean with clean water.
7. Insert the filter along the groove direction, rotate clockwise to tighten the filter, and then close the filter door (Fig.8-9).

8. Clean carefully pump filter, e.g. using running water (Fig. 8-10).
9. Refix it thoroughly (Fig. 8-11).
10. Close service flap.



## CAUTION!

- Pump filter sealing has to be clean and unhurt. If the lid is not full tightened, water can escape.
- The filter must be in place, or it may lead to leakage.

Many occurring problems could be solved by yourself without specific expertise. In case of a problem please check all shown possibilities and follow below instructions before you contact an after sales service. See CUSTOMER SERVICE.



## WARNING!

- ▶ Before maintenance, deactivate the appliance and disconnect the mains plug from the mains socket.
- ▶ Electrical equipment should be serviced only by qualified electrical experts, because improper repairs can cause considerable consequential damages..
- ▶ A damaged power cable should only be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

## 9.1 Information codes

Following codes are displayed only for information referring to the washing cycle. No measures must be performed.

Code	Message
1:25	The remaining wash cycle time will be 1 hour and 25 minutes
6:30	The remaining wash cycle time including chosen end-time delay will be 6 hours and 30 minutes
End	The washing cycle is finished. The appliance shuts off automatically.
CLDI-	The function child lock is activated.
LocI-	Door is closed because of high water level, high water temperature or spinning cycle.
bEEP oFF	The buzzer is deactivated
bEEP on	The buzzer is activated

## 9.2 Troubleshooting with display code

Problem	Cause	Solution
E0	• Other error (reserved).	• /
E1	• Drainage error.	• Check if the drainage pump/valve is normal
E2	• Lock error	• Shut the door properly.
E4	• Water level not reached after 8 minutes. • Drain hose is self-syphoning.	• Make sure that tap is fully opened and water pressure is normal. • Check drain hose installation.
E8	• Water protective level error.	• Contact the After sales service.
F3	• Temperature sensor error	• Contact the After sales service.
F4	• Heating error.	• Contact the After sales service.



Problem	Cause	Solution
F1	<ul style="list-style-type: none"> <li>Motor error</li> </ul>	<ul style="list-style-type: none"> <li>Contact the After sales service</li> </ul>
F <sub>n</sub>	<ul style="list-style-type: none"> <li>Proximity sensor (Hall) error.</li> </ul>	<ul style="list-style-type: none"> <li>Check the Hall sensor.</li> </ul>
FE 1b	<ul style="list-style-type: none"> <li>Display and expansion board error.</li> </ul>	<ul style="list-style-type: none"> <li>Check the EU expansion board.</li> </ul>
FE1 / FE2	<ul style="list-style-type: none"> <li>Abnormal communication error.</li> </ul>	<ul style="list-style-type: none"> <li>Contact the After sales service.</li> </ul>
FU 1	<ul style="list-style-type: none"> <li>Positioning error.</li> </ul>	<ul style="list-style-type: none"> <li>Check the positioning lock.</li> </ul>
FU-2	<ul style="list-style-type: none"> <li>Positioning unlocking error.</li> </ul>	<ul style="list-style-type: none"> <li>Check the positioning lock.</li> </ul>
Loc1-	<ul style="list-style-type: none"> <li>The door cannot be opened if the water level, temperature, or speed do not meet the conditions for opening the door.</li> </ul>	<ul style="list-style-type: none"> <li>/</li> </ul>

### 9.3 Troubleshooting without display code

Problem	Cause	Solution
Appliance fails to operate.	<ul style="list-style-type: none"> <li>Programme is not yet started.</li> <li>Door is not properly closed.</li> <li>Machine has not been switched on.</li> <li>Power failure.</li> <li>Child lock is activated.</li> </ul>	<ul style="list-style-type: none"> <li>Check programme and start it.</li> <li>Close the door properly.</li> <li>Switch the machine on.</li> <li>Check power supply.</li> <li>Deactivate child lock.</li> </ul>
Appliance will not be filled with water.	<ul style="list-style-type: none"> <li>No water.</li> <li>Inlet hose is kinked.</li> <li>Inlet hose filter is blocked.</li> <li>Water pressure is less than 0.03 MPa.</li> <li>Door is not properly closed.</li> <li>Water supply failure.</li> </ul>	<ul style="list-style-type: none"> <li>Check water tap.</li> <li>Check inlet hose.</li> <li>Unblock inlet hose filter.</li> <li>Check water pressure.</li> <li>Close the door properly.</li> <li>Ensure the water supply.</li> </ul>
Appliance is draining while being filled.	<ul style="list-style-type: none"> <li>Height of drain hose is below 80 cm.</li> <li>Drain hose end could reach into water.</li> </ul>	<ul style="list-style-type: none"> <li>Make sure that drain hose is properly installed.</li> <li>Make sure the drain hose is not in water.</li> </ul>
Drainage failure.	<ul style="list-style-type: none"> <li>Drain hose is blocked.</li> <li>Pump filter is blocked.</li> <li>Drain hose end is higher than 100 cm above floor level.</li> </ul>	<ul style="list-style-type: none"> <li>Unblock drain hose.</li> <li>Clean pump filter.</li> <li>Make sure that drain hose is properly installed.</li> </ul>
Strong vibration while spinning.	<ul style="list-style-type: none"> <li>Not all transportation bolts have been removed.</li> <li>Appliance has no solid position.</li> <li>Machine load is not correct.</li> </ul>	<ul style="list-style-type: none"> <li>Remove all transportation bolts.</li> <li>Ensure solid ground and a levelled position</li> <li>Check load weight and balance.</li> </ul>
Operation stops before completing wash cycle.	<ul style="list-style-type: none"> <li>Water or electric failure.</li> </ul>	<ul style="list-style-type: none"> <li>Check power and water supply.</li> </ul>

Problem	Cause	Solution
Operation stops for a period of time.	<ul style="list-style-type: none"> <li>Appliance displays error code.</li> <li>Problem due to load pattern.</li> </ul>	<ul style="list-style-type: none"> <li>Consider display codes.</li> <li>Reduce or adjust load.</li> <li>Cancel programme and</li> </ul>
Excessive foam floats drum and/or detergent drawer.	<ul style="list-style-type: none"> <li>Detergent is not appropriate.</li> <li>Excessive use of detergent</li> </ul>	<ul style="list-style-type: none"> <li>Check detergent recommendations.</li> <li>Reduce amount of detergent.</li> </ul>
Automatic adjustment of washing time.	<ul style="list-style-type: none"> <li>Washing programme duration will be adjusted.</li> </ul>	<ul style="list-style-type: none"> <li>This is normal and doesn't affect functionality.</li> </ul>
Spinning fails.	<ul style="list-style-type: none"> <li>Unbalance of laundry.</li> </ul>	<ul style="list-style-type: none"> <li>Check machine load and laundry and run a spinning programme again.</li> </ul>
Unsatisfactory washing result.	<ul style="list-style-type: none"> <li>Degree of pollution does not agree with selected programme.</li> <li>Detergent quantity was not sufficient.</li> <li>Maximum load has been exceeded.</li> <li>Laundry was unevenly distributed in the drum.</li> </ul>	<ul style="list-style-type: none"> <li>Select an other programme.</li> <li>Choose the detergent acc. to the degree of pollution and acc. to manufacturer specifications.</li> <li>Reduce loading.</li> <li>Loose the laundry.</li> </ul>
Washing powder residues are on the laundry.	<ul style="list-style-type: none"> <li>Insoluble particles of detergent can remain as white spots on the laundry.</li> </ul>	<ul style="list-style-type: none"> <li>Perform extra rinse.</li> <li>Try to brush the points from the dry laundry.</li> <li>Choose an other detergent.</li> </ul>
Laundry has grey patches.	<ul style="list-style-type: none"> <li>Caused by fats such as oils, creams or ointments.</li> </ul>	<ul style="list-style-type: none"> <li>Pretreat the laundry with a special cleaner.</li> </ul>



## Note: Foam formation

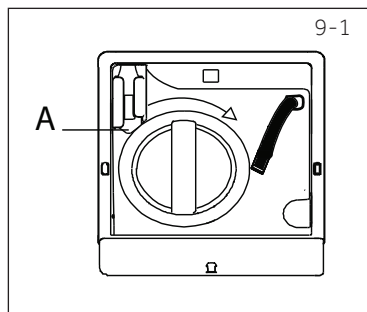
If too much foam is inspected during spin cycle, motor stops and drain pump will be activated for 90 seconds. If that elimination of foam fails up to 3 times, programme ends without spinning.

Should the error messages reappear even after the taken measures, switch off the appliance, disconnect the power supply and contact the customer service.

### 9.4 In case of power failure

The current programme and its setting will be saved. When power supply is restored operation will be resumed.

If a power failure cuts an operating wash programme door opening is mechanically blocked. Not till then pull lever (A) beneath service flap (Fig. 9-1) until door is unlocked by a gentle click. Afterwards refix all parts.



#### **Note: Unlock the door**

When the washing machine in a safe state (under the water level below the window along a certain distance, barrel temperature below 55 °C, the inner barrel did not turn), may unlock the doors of the machine operation.

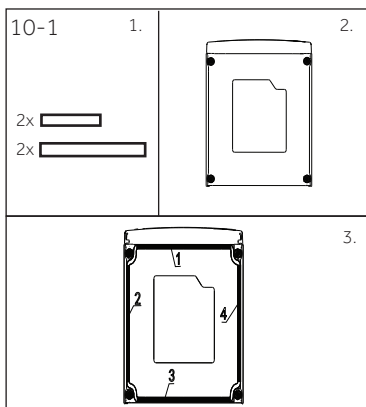
## 10.1 Preparation

- ▶ Take the appliance out of the packaging.
- ▶ Remove all packaging material including polystyrene base, keep them out of childrens reach. While opening the package, water drops may be seen on plastic bag and port-hole. This normal phenomenon results from water tests in the factory.



### Note: Packaging disposal

Keep all packaging materials out of children's reach and dispose them in an environmentally friendly manner.



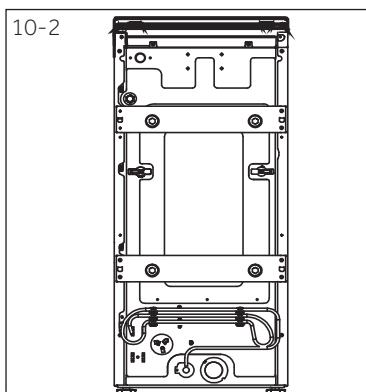
## 10.2 OPTIONAL: Install noise reduction pads

1. When opening the shrink package, you will find some noise reduction pads. These are used for reducing noise. (Fig. 10-1.1).
2. Lay the washing machine down to its side, porthole pointing upwards, bottom side towards operator (Fig. 10-1.2).
3. Take out the noise reduction pads and remove the double-sided adhesive protective film; paste around the bottom; the noise reduction pads under the washing machine cabinet as shown in Figure 3 (two longer pads in position 1 and 3, two shorter pads in position 2 and 4). Finally set the machine upright again (Fig. 10-1.3).



### Note: Noise reduction pad

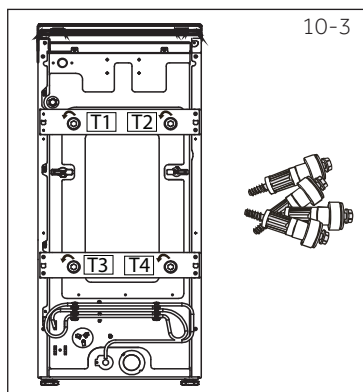
Noise reduction pad is optional, could help to reduce noise, please assemble it or not according to your own demand.



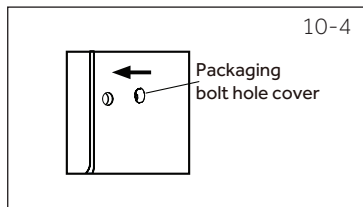
## 10.3 Dismantle the transportation bolts

The transportation protection on the rear side are designed for clamping anti-vibration components inside the appliance during transportation to prevent inner damage. All elements (R, S and T, Fig. 10-2) must be removed before use.

1. Remove all 4 bolts (T1-T4), (Fig. 10-3).



2. Fill the 4 left holes with blanking plugs (Fig. 10-4).



### Note: Keep in safe place

Keep the transportation bolts in a safe place for later use. Whenever the appliance is to be moved at first reinstall the bolts.

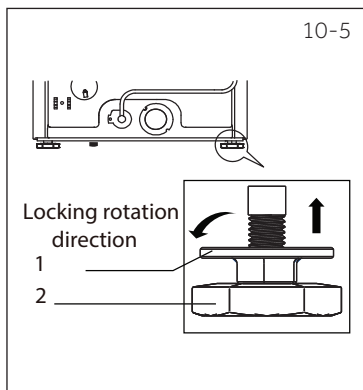
## 10.4 Moving the appliance

If the machine is to be moved to a distant location, replace the transportation bolts removed before installation to prevent damage: The assembly takes place in reverse order.

## 10.5 Aligning the appliance

Adjust all feet (Fig. 10-5) to achieve a complete level position. This will minimize vibrations and thus noise during use. It will also reduce wear and tear. We recommend to use a spirit level for adjustment. Floor should be as stable and flat as possible.

1. Loose the locknut (1) by using a wrench.
2. Adjust the high by turning the foot (2).
3. Tighten locknut (1) against the housing.



## 10.6 Drain Water Connection

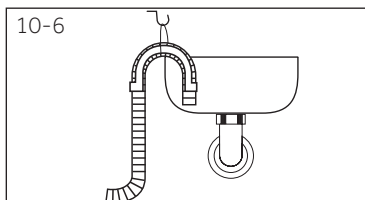
Fix the water drain hose properly to the piping. The hose has to reach at one point a height between 80 and 100 cm above the appliance bottom line! If possible keep always drain hose fixed to the clip at the appliance back.



### WARNING!

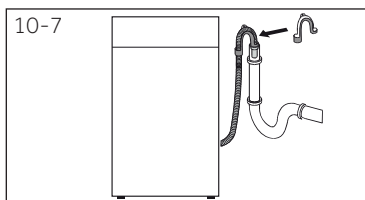
- ▶ Use only the supplied hose set for the connection.
- ▶ Never reuse old hose sets!
- ▶ Only connect to cold water supply.
- ▶ Before connection, check whether the water is clean and clear.

Following connections are possible:



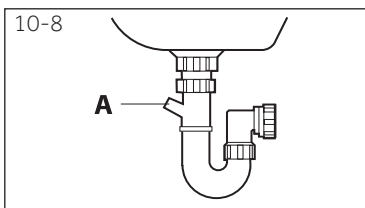
#### 10.6.1 Drain hose to sink

- ▶ Hang the drain hose with the U-support over the edge of a sink with adequate size (Fig. 10-6).
- ▶ Protect the U-support sufficiently against slipping.



#### 10.6.2 Drain hose to waste water connection

- ▶ The internal diameter of the stand pipe with vent-hole must be minimum 40 mm.
- ▶ Put the drain hose for approx. 80-100 mm in the wastewater pipe.
- ▶ Attach the U-support and secure it sufficiently (Fig. 10-7).



#### 10.6.3 Drain hose to sink connection

- ▶ The junction must lie above the siphon
- ▶ A spigot connection is usually closed by a pad (A). That must be removed to prevent any disfunction (Fig. 10-8 ).
- ▶ Secure the drain hose with a clamp.



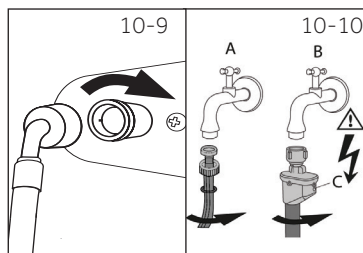
### CAUTION!

- ▶ The drain hose should not be submerged in water and should be securely fixed and leak-free. If the drain hose is placed on the ground or if the pipe is at a height of less than 80 cm, the washing machine will continuously drain while being filled (self-siphoning).
- ▶ Drain hose is not to be extended. If necessary contact after sales service.

### 10.7 Fresh Water Connection

Make sure that the gaskets are inserted.

1. Connect the water inlet hose with the angled end to the appliance (Fig. 10-9). Tighten the screw joint by hand.
2. The other end connect to a water tap with a 3/4" thread (Fig. 10-10).

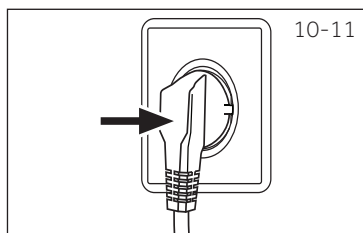


### 10.8 Electrical Connection

Before each connection check if:

- ▶ power supply, socket and fusing are appropriate to the rating plate.
- ▶ the power socket is earthed and no multi-plug or extension are used.
- ▶ the power plug and socket are strictly according.
- ▶ **Only UK:** The UK plug meets BS1363A standard.

Put the plug into the socket (Fig. 10-11).



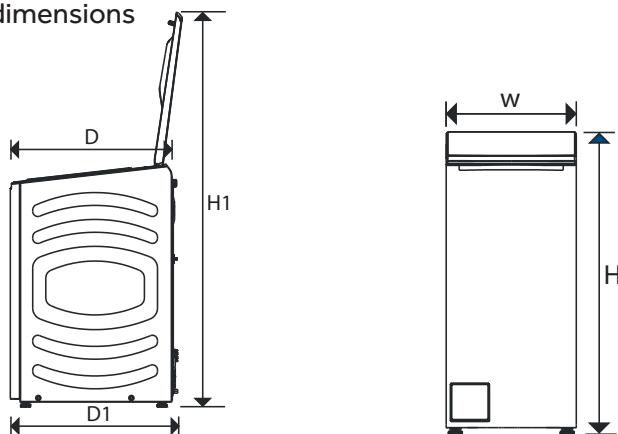
### WARNING!

- ▶ Ensure always that all connections (power supply, drain and fresh water hose) are firm, dry and leak free!
- ▶ Take care these parts are never to be crushed, kinked, or twisted
- ▶ If the supply cord is damaged, it must be replaced by the service agent (see warranty card) in order to avoid a hazard.

## 11.1 Additional technical data

	HW90-BPD13386U1
Voltage in V	220-240 V~/50Hz
Current in A	10
Max. power in W	2000
Water pressure in MPa	0,03-≤P≤1
Netto weight in kg	70

## 11.2 Product dimensions



PRODUCT DIMENSIONS	HW90-BPD13386U1
<b>H</b> Overall height of product mm	930
<b>W</b> Overall width of product mm	400
<b>D</b> Overall depth of product (To main control board size) mm	620



### Hinweis: Exact height

The exact height of your washer is dependent on how far the feet are extended from the base of the machine. The space where you install your washer needs to be at least 40mm wider and 20mm deeper than its dimensions.

## 11.3 Standards and Directives

This product meets the requirements of all applicable EC directives with the corresponding harmonised standards, which provide for CE marking.

Hereby, Haier declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.haier.com](http://www.haier.com).



We recommend our Haier Customer Service and the use of original spare parts, and the minimum period during which the spare parts for the household washing machine is 10 years.

If you have a problem with your appliance, please first check section TROUBLESHOOTING. If you cannot find a solution there, please contact

- ▶ your local dealer.
- ▶ the Service & Support area at [www.haier.com](http://www.haier.com) where you can find telephone numbers and FAQs and where you can activate the service claim.

For specific product information, please login to the Haier official website [https://www.haier-europe.com/en\\_GB/technical-assistance/](https://www.haier-europe.com/en_GB/technical-assistance/) and search the model you use, click the product to go to the detail page then click "documents" to find the user manual to download it.

You can also find the product information in this page.

Model information is available in the product database at <https://eprel.ec-europa.eu/> by searching for the model identifier reported on the product label.

To contact our Service, ensure that you have the following data available.

The information can be found on the rating plate.

Model \_\_\_\_\_ Serial No. \_\_\_\_\_

Also check the Warranty Card supplied with the product in case of warranty. For general business enquiries please find below our addresses in Europe:

European Haier addresses			
Country*	Postal address	Country*	Postal address
<b>Italy</b>	Haier Europe Trading SRL Via De Cristoforis, 12 21100 Verese ITALY	<b>France</b>	Haier France SAS 53 Boulevard Ornano – Pleyad 3 93200 Saint Denis FRANCE
<b>Spain Portugal</b>	Haier Iberia SL Pg. Garcia Faria, 49-51 08019 Barcelona SPAIN	<b>Belgium-FR Belgium-NL Netherlands Luxembourg</b>	Haier Benelux SA Anderlecht Route de Lennik 451 BELGIUM
<b>Germany Austria</b>	Haier Deutschland GmbH Konrad-Zuse-Platz 6 81829 München GERMANY	<b>Poland Czechia Hungary Greece Romania Russia</b>	Haier Poland Sp. zo.o. Al. Jerozolimskie 181B 02-222 Warszawa POLAND
<b>United Kingdom</b>	Haier Appliances UK Co.Ltd. One Crown Square Church Street East Woking, Surrey, GU21 6HR UK		

\*For more information please refer to [www.haier.com](http://www.haier.com)

HW90-BPD13386U1

**Haier**