User manual
Heat-Pump-Dryer

HD90-A3Q397U1
HD90-A3Q397SU1

EN

Haier

Thank you

Thank you for purchasing a Haier Product.

Please read this instruction carefully before using the appliance. The instruction contains important information which will guide you in order to have a safe and proper installation as well as daily 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.

Safety notice

WARNING! – Important safety information

General information and tips

Environmental information

Disposal

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable)should not be disposed of with other household waste at the end of their working life.
To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.
Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.Business users should contact their supplier and check the terms and conditions of the purchase contract.
This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

WARNING!

This appliance is filled with R290. Flammable material，risk of fire.

WARNING: In the appliance enclosure or in the built-in structure,keep ventilation openings clear of obstruction.

WARNING: Do not damage the refrigerant circuit.

WARNING!

Risk of injury or suffocation!

To ensure safety when disposing of an old tumble dryer, disconnect the mains plug from the socket, cut the mains power cable and destroy this together with the plug. To prevent children shutting themselves in the machine, break the door hinges or the door lock.

WARNING!

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

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1-Safety information

WARNING!

Before first use

- Make sure there is no transportation damage.
- Remove all package and keep it out of children's reach.
- Always move the appliance with two people at least 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 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 tumble dryer free of dust and lint.
- Do make sure that there is only laundry inside the appliance and no pets or children before you use it.
- Only touch the mains plug with dry hands and do not touch or use the appliance if you are barefoot or with wet hands or feet
- Do not dry unwashed items in the tumble dryer.
- Do make sure not to load more than nominal load.
- Remove all items such as lighters and matches from pockets.
- Fabric softeners, or similar products, should be used as specified by the fabric softener instructions
- Do not use or store any flammable sprays or fl ammable gas in close vicinity to the appliance.
- Do not place heavy objects or sources of heat or damp on top of the appliance.
- Hold the plug, not the cable, when unplugging the appliance.
- Do not touch the rear and the drum during operation, they are hot.

1-Safety information

WARNING!

Daily use

- Do not use the appliance to dry the following items:
  - Items which are not washed.
  - 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. Items that have been soiled with substances such as cooking oil,acetone, alcohol, petrol,kerosene, spot removers, turpentine,waxes and wax removers should be washed in hot water with an extra amount of detergent before being dried in the tumble dryer
  - Items which contain padding or fillings (e.g. pillows, jackets), as the filling can get out with the risk of causing ignition.
  - Items such as foam rubber (latex foam), shower caps, waterproof textiles, rubber backed articles and clothes or pillows fitted with foam rubber pads should not be dried in the tumble dryer.
- Do not drink the condensed water.
- Do not use the appliance without the lint filter or condenser filter in place or with damaged filter.
- Notice that the last part of the drying cycle occurs without heat (cool down cycle) to ensure remaining garments are under a temperature which does not damage them.
- Do not leave the appliance unattended during run time for a long time. If a long absence is needed, the drying cycle have to be interrupted by switching off and unplugging the mains.
- Do not switch off the appliance until drying cycle is finished. Never stop a tumble dryer before the end of the drying cycle unless all items are quickly removed and spread out so that the heat is dissipated
- Switch off the appliance after each drying program 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.

WARNING!

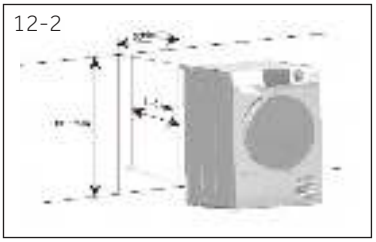
Maintenance / cleaning

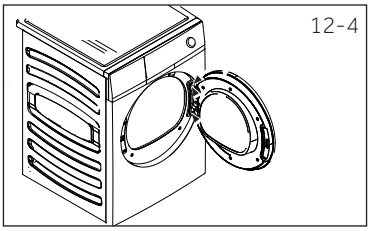
- Clean the lint filter and the condenser filter after each programme (see CARE AND CLEANING,page 23).
- Do not use water spray or steam to clean the appliance.
- Do not use industrial chemicals to clean the appliance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not try to repair the appliance by yourself.If a repair is needed, please contact our customer service.

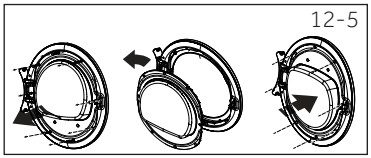
Installation

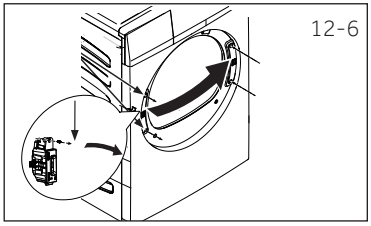
- Ensure put the machine in a place which allows opening the door fully. Do not install the tumble dryer behind a lockable door, a sliding door or a door with hinges on the opposite side of the tumble dryer door as this limits the full opening of the door.
- Install the appliance in a well-ventilated, dry place.
- Never install the appliance in a damp outdoor, or in an area which has the risk of water leakage such as under or near a sink unit. Once a water leakage happened, cut power supply and allow the machine to dry naturally.
- Install or use the appliance only in a place 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 around any heat sources(e.g. stoves, heaters).
- Make sure that the electrical information on the rating plate aligns with the power supply. If it does not, contact an electrician.
- Do not use multi-plug adapters and extension cables.
- Make sure not to damage the electric cable and the plug. if it is damaged, have it replaced by an electrician.
- Use a separate earthed socket for the power supply which is easy access to 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.

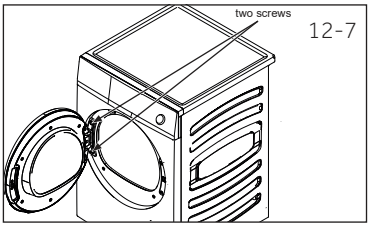
2-Installation pictures

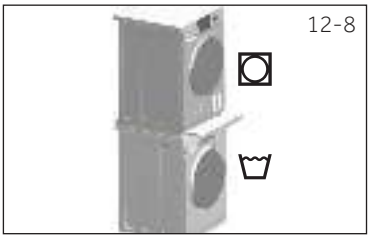


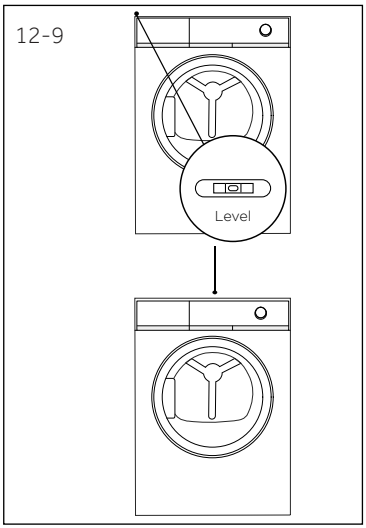


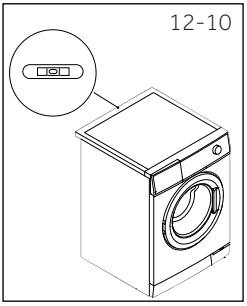


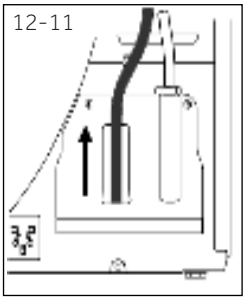


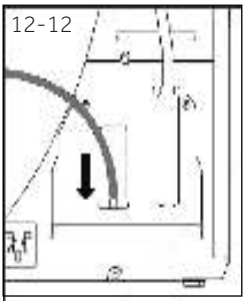












3-Intended use

Intended use

This appliance is intended for drying items which have been washed in a water solution and are marked on the manufacturer's care label as being suitable for tumble drying.

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.

Standards and directives CE

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

Environmentally responsible use

- **Completely spin:** Spin the laundry with the maximum spin speed.
- **Maximum load:** Use the maximum filling amount according to the programme table, but do not overload the dryer. To take advantage of the maximum load, the laundry which should be dried "READY to wear", can be fi rst dried easily with " Ironing reminder" When program ends, remove the laundry which should be ironed and dry the remaining laundry then to end.
- **Loosen up the laundry:** Shake out the laundry before putting them into the dryer.
- **Avoid excess drying:** An excessive drying should be avoided. Select the right programme and the appropriate dry level.
- **Softener unnecessary:** Do not use softener when washing, because the laundry will become fluffy and soft in the dryer .
- **Cleaning of the lint filters:** Clean the lint filters after each cycle.
- **Ventilation:** Make sure the appliance is properly ventilated (see INSTALLATION).
- **Condensed water reuse:** The collected condensed water can be used for the steam iron. Before that, it should be poured through a fi ne sieve or coff ee fi lter paper. Smallest parts will be retained by the filter.

4-Product description

Note:

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

4.1 Picture of appliance

Front (Fig. 4-1):

4-1

Rear side (Fig. 4-2):

4-2

1 Water tank
2 Tumble dryer door
3 Control panel
4 Power supply cord
5 Back plate
6 Drainage outlet
7 Adjustable feet

4.2 Accessories

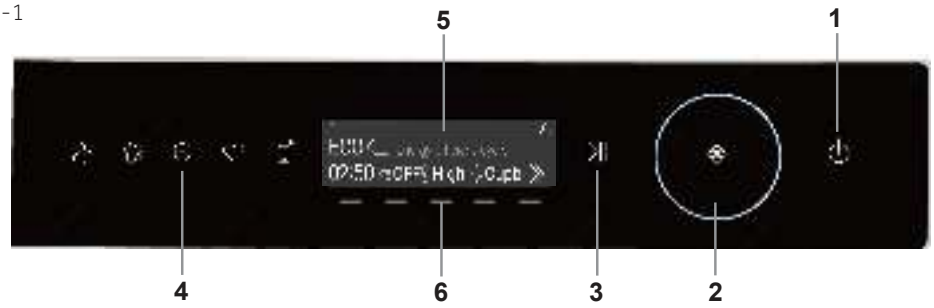
Check the accessories and literature in accordance with this list (Fig.4-3):

4-3

Drain hose | Drying rack | Energy label | Warranty card | User manual

5-Control pannel

5-1



1 Power button
2 Progam knob
3 Start/Pause button
4 Function buttons
5 Display
6 Operation buttons

5-2

5.1 Power button

Touch this button(Fig.5-2)gently to switch on,the display is shining,the indicator of the Start/Pause button is flashing.Touch it again for about 2 seconds to switch off.If no panel element or program is activated after specified timing machine will shut down automatically.

Notice:

When using it for the first time, you need to select the desired language first before entering the normal usage interface.

5-3

5.2 Program knob

By turning the knob(Fig.5-3)one program at a time can be selected,its default settings will be displayed.

5-4

5.3 Start/Pause button

Press Start/Pause (Fig. 5-4) to start a drying cycle. Press button again to pause the drying cycle—indicator light is flashing. Press button again to continue.

5-5

5.4 Functon buttons

The five buttons on the left are function buttons, which can be selected as required.

5-6

5.4.1 Flexy Air button

Touch the button(Fig. 5-6), the wind speed can be adjusted.
There are 5 levels that can be selected by turning the knob according to the type and amount of the clothe in order to better care for it. (Fig. 5-7),

5-7

After selection, the wind power icon with dedicated level is displayed in the upper right corner. (Fig. 5-8),

5-8

Notice:

Only 3 programs (Timer, Wool and Warm up) have 5 levels; the others only have 2-4 levels.

5.4.2 i-Refresh Pro button

5-9

Touch this button (Fig. 5-9) ,i-Refresh Pro button will light up, display show : i-Refresh Pro on (Fig. 5-10). Ultrasonic atomization module start. It is used for fresh odor removal, dust removal, wrinkle removal and moisture removal.

5-10

After selection, the i-Refresh Pro icon is displayed in the upper right corner. (Fig. 5-11),

5-11

Touch this button again,i-Refresh will be deactivated,display show:i-Refresh Pro off.

Notice:

1.Need to fill the module with the purified water before activating the I-Refresh Pro function.
2.Only purified water can be used.
3.Suitable for dry clothing. If the clothing is damp, it is recommended to dry it before using the i-Refresh pro.
4.After each use of the i-Refresh Pro, it is recommended to manually clean the filter.

Program	Default time(min)	ultrasonic atomization	remove wrinkles	remove odors
Shirt	39	•	•	•
Wool	33	•	•	•
Babycare	52	•	•	•
Delicate	33	•	•	•

5-12

5.4.3 Hygienic button

Hygienic function is designed to kill bacteria and mites as well as virus on clothes with high temperature. Touch the button(Fig. 5-12), Hygienic button will light up, display show : Hygienic on (Fig. 5-13).

5-13

After selection, the Hygienic icon is displayed in the upper right corner. (Fig. 5-14),

5-14

Touch this button again, Hygienic will be deactivated, display show: Hygienic off.

5-15

5.4.4 Favorite button

This function is designed to memorize the user s preferred settings under each program so that there is no need to adjust it before use.To activate it , users can choose one program and adjust temperature, dry level,wind speed,anti-crease,i-Refresh pro,Hygienic based on their own taste .Press the button(Fig. 5-15) for 3 seconds,the button will light up and these settings are memorized(Fig.5-16) .
Next time starting, press this button,the memorized program will be displayed.
Up to 3 favorite programs can be set,the user can choose one of them by turning knob.
If the user wants to delete one of the programs, select the desired program and press the favorite button 3 seconds to delete it.

5-16

5.4.5 Remote button

The remote button can be used to bind and unbind the Internet of things.

5-17

Notice:

To start the pairing procedure, please follow the app instructions.

5.5 Display

The display(Fig.5-18)shows following information:

- Program short description
- Function information
- Remaining time
- End time delay
- Error codes and service information
- Remote status

5-18

5.6 Other functions

Anti-crease
i-Time
Settings
Temperature
Iron reminder
Delay
Dry level
Child lock
Child lock

5-19

Notice:

Press the button under the (Fig.5-19), there are other 3 functions(i-Time,Iron reminder,Delay) and Settings can be setted.

5.6.1 Anti-crease function

If the clothes cannot be taken out immediately after the drying cycle is completed, wrinkles may occur again due to long-term storage in the drum. This function can prevent the occurrence of this issue.When the drying ends,the drum will keep rotation for another 1-12 hours with cold wind in.There is no need to worry about forgetting to take out clothes.
Press the button(Fig.5-20)to enter the settings page.
Use this button or turn the knob to choose(Fig.5-21).
Wait for 2 seconds, automatically return or press the button under the to return the program homepage.

5-20

5-21

5-22

5.6.2 Temperature function

This function is set to adjust drying temperature based on personal needs or requirements. Pressing the button (Fig. 5-22) to set the drying temperature you want.
There are 4 levels: High, Medium, Low, Cool.

5-23

5.6.3 Dry level function

Press the button (Fig. 5-23) to set the final moisture content of the laundry at the end of cycle.
There are 4 levels:
Extra dry, Cup board, Ready to wear, Ready to iron.

5-24

5.6.4 i-time function

This function is designed to allow users to adjust cycle duration based on personal needs.Pressing the button(Fig.5-24)to set the drying time you want.

5-25

5.6.5 Iron reminder function

Press the button (Fig. 5-25) to set the iron reminder.
If the reminder function is turned on,There will be a 2-minute prompt tone when the drying degree of the clothes reaches a suitable humidity for ironing,

5-26

5.6.6 Delay

Press the button (Fig. 5-26) to set the delay time.
it could be increased in steps of 1 hour from 1-12 hours.
Touch the Start/Pause button to activate the time delay.

5-27

5.6.7 Settings

Press the button(Fig.5-27), users can set Wifi(ON/OFF) Language(23 Languages),Voice(ON/OFF), Font(Standard/ Large).

5-28

5.6.8 Child lock

1.Choosing a programme and start run, press the button(Fig. 5-28) 3 seconds,child lock function is enabled,screen display "Child lock on" .Press the button 3 seconds again,child lock function off, screen display" Child lock off" .

6-Programs

• Yes, o Optional**), / No

Program	Max. load kg	DRYNG TIME h	SELECTABLE OPTIONS							
			Flexy Air	Hygienic	Anti crease	Temp.	Dry level	Iron Reminder	Delay	i-time
Eco *)	9	2:50	o	•	•	o	•	•	•	/
Smart AI	9	0:20	o	•	•	o	•	•	•	/
Shirt	4.5	1:00	o	/	•	o	•	•	•	/
Cotton	9	2:00	o	•	•	o	•	•	•	/
Synthetics	4.5	1:10	o	/	•	o	•	•	•	/
Delicate	2	1:00	o	/	•	o	•	•	•	/
Towel	6	1:50	o	•	•	o	•	•	•	/
Babycare	4	1:20	o	•	•	o	•	•	•	/
Sports	4.5	1:10	o	•	•	o	•	•	•	/
Bulky	2	2:10	o	•	•	o	•	•	•	/
Timer	/	1:00	•	/	•	•	/	/	•	•
Quick 30"	4	0:30	o	/	/	o	/	/	•	/
Outdoor	4	0:50	o	/	•	o	•	•	•	/
Wool	3	2:00	•	/	/	/	/	/	•	•
Duvet	1	1:30	o	/	•	•	/	/	•	•
Warm up	4	0:40	•	/	•	o	/	/	•	•
Night dry	6	2:00	o	•	•	o	•	•	•	/

*) EN 61121 test program setting, we recommend that you drain the condensed water externally through the drain hose when drying a full load using the Eco program.
This will avoid to empty the water tank during the cycle.

**) Optional,means not all levels are available, please refer to the actual machine display for details.

7-Consumption

Heat pump technology

The condensation dryer with heat exchanger is outstanding in terms of efficient energy consumption. These are guide values determined under standard conditions. The values may differ from those given, depending on overvoltage and undervoltage, the type of fabric, composition of the laundry to be dried, the residual moisture and the actual loading.

Program Cotton / Linen	Spin speed in rpm	Residual moisture in %	Time in h:min	Energy consumption in kWh
Extra dry	1000	approx. 60	3:50	2.30
Cupboard	1000	approx. 60	3:35	2.12
Ready to wear	1000	approx. 60	3:20	1.63
Ready to iron	1000	approx. 60	3:00	1.43

Environmentally responsible use

- Spin the laundry as dry as possible before putting it into the tumble dryer.
- Avoid overloading the tumble dryer.
- Shake the laundry loose before putting it into the tumble dryer.
- Choose a proper drying program. Make sure the laundry is not dried longer than needed.
- Make sure to use the tumble dryer with cleaned filters.

8-Suggestions and tips

8.1 Starched laundry

Starched laundry leaves a film of starch in the drum and is not suitable for the dryer.

8.2 Softener

Do not use softener when washing, because the laundry will become soft and fluffy in the dryer.

8.3 Soft care cloths

The use of "soft care cloths" can lead to a coating at the lint filters. This can cause a blockage of the filters. In such cases, we recommend either to abstain from adding soft care cloths or to choose a different brand. In any case note the manufacturer's instructions.

8.4 Small amounts of filling

In a quantity of less than 1.0 kg, the "Timer"-programme should be selected because the dry level of clothes cannot be sensored sometimes due to the small load.

8.5 Drum interior light

When the appliance is switched on, the drum light will keep on when the door is open.

8.6 Service flap

Make sure that the service flap is always closed during operation.

8.7 Anti crease protection

At the end of the cycle, if the laundry is not taken out,the drum moves time to time to prevent creases.

8.8 Remaining time

The program duration is influenced by the following factors: the type of fabric, the loading quantity, moisture content, the desired dry level, as well as the spin speed during washing These factors are registered by the electronics during the program and the remaining time will be corrected accordingly.

8.9 Extra large pieces

When cycle ends, if the desired dry level is not achieved , loosen up the laundry and dry again with the time programme (TIMER).

8.10 Especially delicate fabrics

Textiles which can easily shrink or lose their shape, as well as silk stockings, lingerie should not be put in the dryer directly. Put delicate garments inside a laundry bag and avoid over-drying them.

8.11 Jersey and knitwear

Clothes like jersey and knitwear, we recommend to use Delicate program to dry to avoid over-drying.

8.12 Flipping clothes

It is recommended to close the zipper and flip it inside and outside before operation. to avoid over-drying.

8.13 Metal ornament

If metal decorations and plastic nail beads are used on the clothing, it should be properly wrapped to avoid hitting the drum and causing damage before operation.

8.14 Acoustic signal

An acoustic signal can be activated:

- When the water tank is full.
- Failures happen.

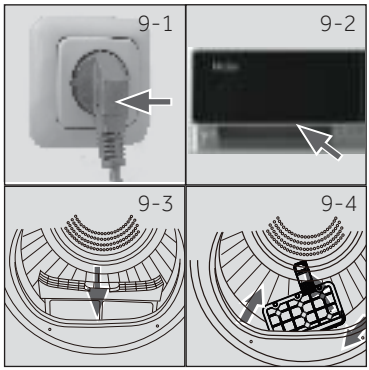
Care chart

Washing					
95	Washable up to 95°C normal process	60	Washable up to 60°C normal process	60	Washable up to 60°C mild process
40	Washable up to 40°C normal process	40	Washable up to 40°C mild process	40	Washable up to 40°C very mild process
30	Washable up to 30°C normal process	30	Washable up to 30°C mild process	30	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				

9-Daily use

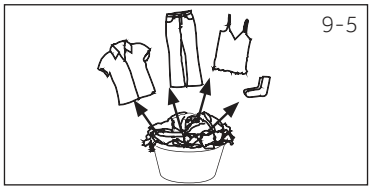
9.1 Prepare the appliance

1. Connect the appliance to a power supply (220V to 240V~/50Hz) (Fig. 9-1) Please also refer to section INSTALLATION.
2. Make sure:
   - ► The water tank is empty and properly installed. (Fig. 9-2).
   - ► The lint filter is clean and properly installed. (Fig. 9-3).
   - ► The condenser filter is clean and properly installed (Fig. 9-4).



9.2 Prepare the laundry

- ► Sort clothes according to fabric (cotton,synthetics, wool etc.).
  Only dry clothes that has been spun.
- ► Empty pockets of all sharp or flammable objects such as keys, lighters and matches. Remove hard decorative objects such as brooches.
- ► Zippers up and make sure the buttons are sewn on tightly and place small items such as socks, bras etc. in a wash bag.
- ► Unfold bulky items of fabric such as bed sheets, table cloth etc.
- ► Follow the instructions on the laundry label and dry those garments that can be dried by machine.



Load Reference	Composition	Average weight per item
Bed sheet (single)	Cotton	Approx. 800 g
Blended fabric clothes	/	Approx. 800 g
Jackets	Cotton	Approx. 800 g
Jeans	/	Approx. 800 g
Overalls	Cotton	Approx. 950 g
Pyjamas	/	Approx. 200 g
Shirts	/	Approx. 300 g
Socks	Blended fabrics	Approx. 50 g
T-Shirts	Cotton	Approx. 300 g
Underwear	Blended fabrics	Approx. 70 g

Tips:

- Separate white clothes from coloured ones.
- Bed linen and pillowcases should be buttoned, so that small parts cannot stuck inside.
- Close zippers and hooks, and tie loose belts without metal parts, apron strings etc. together.
- Remove loose metal parts of clothes before putting into dryer such as metal buttons.
- Do not over-dry easy-care linen. Risk of creases. Allow final drying in open air.
- Clothes like knitwear can be over-drying sometimes. "Ironing" dry level are always recommended to choose
- For pre-dried, multi-layered garments or for final drying the time-programme (TIMER) should be chosen.

9.3 Load clothes the appliance

- Loosen up and insert presorted laundry.
- Don't overload.
- Close the door carefully. Make sure that clothes are not pinched.

9.4 Take out and add clothes

To remove or add clothes, the program can be interrupted at any time:

- The cycle will be interrupted if opening the door.
  Be careful when taking out or adding clothes! The Interior of the drum or the clothes themselves may be hot, so that there is danger of burns .
- To continue the program, press the "Start/Pause" button after closing the door.

CAUTION!

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

WARNING!

Never turn the dryer off before the end of the drying cycle unless all items are quickly removed and spread out so that the heat can be released.

9-7

9.5 Loading the dryer

1. Place the laundry evenly in the drum making sure not to overload the dryer.
2. Switch on the tumble dryer by pressing the Power button (Fig. 9-7).

Notice

Fabric softeners or similar products should be used as specified in the manufacturer's instructions.

2. Set functions such as Temperature, Dry level, Delay. Afterwards press theStart/Pause button (Fig. 9-9) to start the dry cycle.

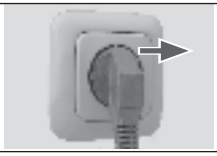
9-9

9.6 End of dry cycle

The tumble dryer stops operation automatically when a dry cycle is complete. The display shows END for about 5 seconds. Open the tumble dryer door and take out clothes .

9-10

1. Switch off the tumble dryer by pressing the Power button (Fig. 9-10).
2. Unplug the tumble dryer from the power socket (Fig. 9-11).

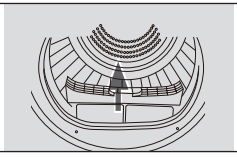


9-11

3. Empty the water tank after each dry cycle (Fig. 9-12) .

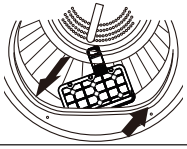
9-12

4. Clean the lint filter after each dry cycle (Fig. 9-13).



9-13

5. Clean the condenser filter after each dry cycle (Fig. 9-14).

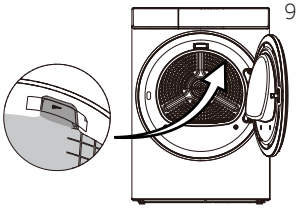


9-14

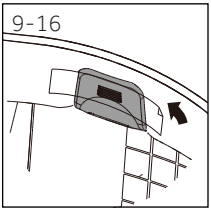
9.7 Use the i-Refresh Pro

Installation the ultrasonic atomization module

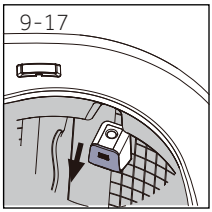
Ultrasonic automization module is located in the upper right corner of the drum(Fig. 9-15) .



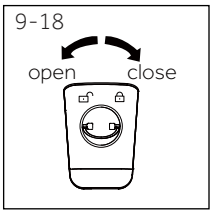
9-15



When using for the first time, please remove the top fixing tape (Fig.9-16) .



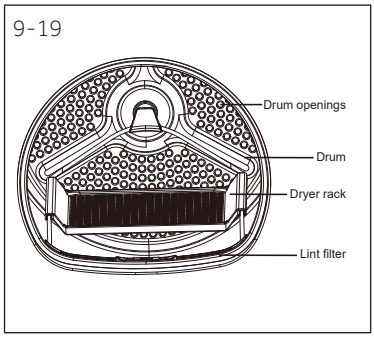
The module and machine are magnetically paired up, it can be easily removed by pulling in the direction of the arrow(Fig. 9-17).



In order to fill the module with purified water, lift the ring, turn it Anti-clockwise and pull it out. Once filled with purified water, close the lid by turning the ring clockwise. install the module back into the machine and choose the i-Refresh Pro function to start a dedicated cycle that will freshen up your clothes.

Notice

- It is recommended to clean the spray head with a cotton swab dipped in water every month.
- It is necessary to fill the module compartment with purified water before using the function.



9.8 Use dryer rack

The dryer rack is designed for items which are not recommended for tumble drying such as trainers, sneakers, sweaters or delicate lingerie.

1. Open the dryer door.
2. Check that the drum is empty.
3. Put the dryer rack into the drum.
4. Make sure that the rack is inserted in the hole of the lint filter and locked in the hole of drum.

Notice

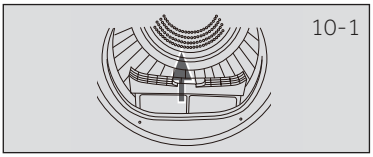
- Do not use this dryer rack when there are other clothes in the dryer.
- During drying, please make sure the items are placed on the rack with no risk of entangling the baffles while the drum is rotating.
- Maximum weight of wet items: 1.5 kg.

10-Care and cleaning

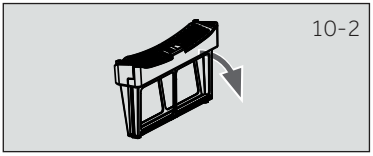
10.1 Lint filter cleaning

Clean the lint filter after each dry cycle.

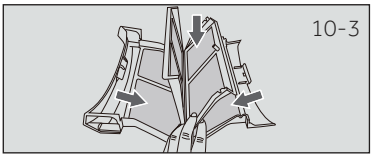
1. Remove the lint filter from the drum (Fig. 10-1).


10-1

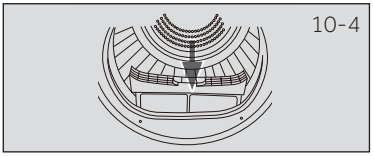
2. Open up the lint filter (Fig. 10-2).


10-2

3. Remove the lint residuals from lint filter (Fig. 10-3).


10-3

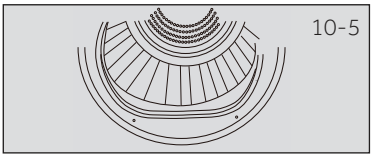
4. Reinstall the cleaned lint filter in the tumble dryer (Fig. 10-4).

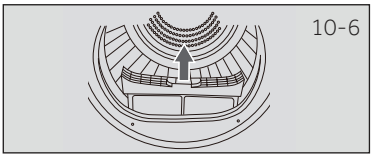

10-4

10.2 Condenser filter cleaning

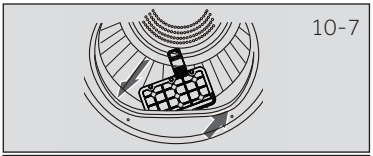
Clean the filter after each dry cycle.

1. Open the door.
2. Pull out the lint filter from front duct (Fig. 10-6).

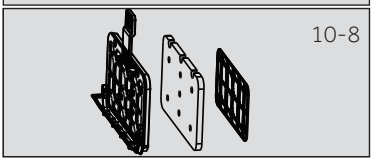

10-5


10-6

3. Pull out the condenser filter from the air duct (Fig. 10-7).


10-7

4. separate the sponge filter from the condenser filter and clean it from any residuals(Fig.10-8).


10-8

5. Reinstall the sponge to the condenser filter and put it back into the duct.

Notice

If the lint / the condenser filter is very dirty, it can be cleaned under running water. Let it dry completely before use.

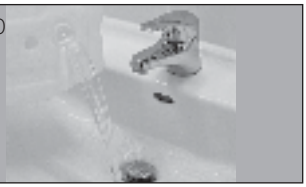
10-9

10.3 Empty the water tank

During operation, steam is condensed into water and collected in the water tank. Empty the water tank after each drying cycle.

1. Pull out the water tank from its housing (Fig. 10-9).

10-10



2. Empty the water tank (Fig. 10-10).

10-11

3. Reinstall the water tank to the tumble dryer (Fig. 10-11).

Notice

Do not use the water for any kind of drinking or food processing.

10.4 Tumble dryer

Wipe the outside of the tumble dryer and the control panel with a damp cloth. Do not use any organic solvent or corrosive agent to avoid damage to the device.

10.5 Drum

After running for a while, micro elements like calcium and mineral substances contained in the water will result in an invisible film formed inside the drum. Use a damp cloth and some detergent to remove it. Do not use any organic solvent or corrosive agent to avoid damage to the device.

11-Troubleshooting

Many problems can be solved by yourself without specific expertise.
please check all shown possibilities and follow below instructions before you contact an after sales service. See CUSTOMER SERVICE.

WARNING!

- Before maintenance, turn off the appliance and disconnect the mains plug from the 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 workers in order to avoid a hazard.

Display	Solution
The water tank is full please empty it.	Empty the tank.
F2:The drain pump malfunction or the water level switch malfunction.	Contact the customer service.
F32:The temperature sensor located at the condenser outlet iis broken.	Contact the customer service.
F33:The temperature sensor located at the compressor outlet it is broken.	Contact the customer service.
F4:Abnormal heating.	Contact the customer service.
FC2:The power board and the display board communication malfunction.	Contact the customer service.
FC0 :Main line malfunction.	Contact the customer service.
FC1:The motor communication malfunction.	Contact the customer service.
F7:The motor malfunction (the motor driver board overload or overheating)	Contact the customer service.
FC6:The variable frequency fan communication malfunction.	Contact the customer service.
FE:The variable frequency fan operation malfunction.	Contact the customer service.
FH:IOT configuration failed.	Contact the customer service.
FCD:Communication failure of compressor drive board.	Contact the customer service.
FF:The compressor malfunction.	Contact the customer service.
FCU: The UI board and the display board communication malfunction.	Contact the customer service.

If the error codes appear again after taking measures, switch off the appliance, disconnect the power supply and contact the customer service.

Troubleshooting without display-codes

Problem	Possible cause	Possible solution
Tumble dryer fails to operate.	• Poor connection to the power supply. • Power failure. • No drying program is set. • Device has not been switched on. • The door is not closed properly.	• Check connection to the power supply. • Check the power supply. • Set a drying program. • Switch on the device. • Close the door properly.
Tumble dryer fails to operate and the display shows END.	• The laundry has reached the dry level defined by the program.	• Check the program setting is appropriate or not.
Drying time is too long and the results are not satisfactory	• The program setting is not correct. • The filter is clogged. • The evaporator is blocked. • The tumble dryer is overloaded. • The laundry is too wet. • The vent duct is blocked.	• Make sure the program is set correctly. • Clean the filter screen. • Clean the evaporator. • Reduce the amount of laundry. • Spin the laundry completely before drying. • Check and clean the vent duct.
Remaining time-on the display-stops or skips.	The remaining time will be adjusted continuously based upon the following factors: • Fabric of laundry. • Loading weight. • Moisture degree of the laundry. • Ambient temperature.	The automatic adjustment is a normal operation.

12-Installation

Notice: all installation relevant pictures can be found at the beginning of this manual.

12.1 Preparation

- Remove all packages including the polystyrene base firstly. While removing the package, water drops may be observed. This is normal phenomenon results from water test the factory.

Notice

Dispose of the package in an environmental friendly manner. For information referring to current disposal sites, consult your retailer or the local authorities.

WARNING!

After transportation and installation, you MUST leave the dryer to stand for two hours before use.

12.2 Transport and waiting time

Transport the appliance in horizontal position only. To the maintenance-free lubrication oil is located in the capsule of the compressor. This oil can get through the closed pipe system during slanting transport. Before connecting the appliance to the power supply you have to wait 2 hours so that the oil runs back into the capsule.

12.3 Place the appliance

The appliance should be placed on a flat and solid surface. Set the feet to the desired level(Fig. 12-1).

12.4 Installation under worktop

The dimensions of the recess should at least match with the dimensions(Fig. 12-2).

1. Put the appliance adjacent to the slot. Make sure that all connections are easily accessible and functional.
2. Adjust accurately all feet to get a firm level position.
3. Install the appliance prudently into the recess.
4. Make sure there is a suffi cient ventilation.

12.5 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.
- The power plug and socket are strictly match.
- **Only UK**: The UK plug meets BS1363A standard.

Put the plug into the socket(Fig. 12-3).

WARNING!

If the supply cord is damaged, it must be replaced by the service agent (see warranty card) in order to avoid a hazard!

12.6 Reversing the door

- Before you start, unplug the dryer from the socket.
- Handle parts carefully to avoid scratching paint.
- Provide a non-scratching work surface for the doors.
- Tools you will need: Phillips-head screwdriver.
- Once you begin, do not move the cabinet until door reversal is completed.
- These instructions are for changing the hinges from the right side to the left side. If you want to switch them back to the right side, follow these same instructions and reverse all references from left to right.

1. Remove the door assembly

Open the door. Remove the two screws holding the hinge/door assembly to the dryer. Carefully set the hinge/door assembly aside(Fig. 12-4).

2. Remove, rotate and replace the inner door

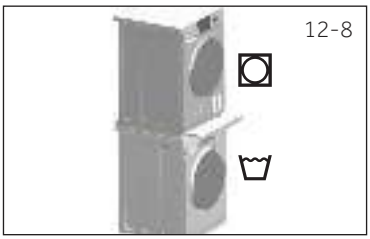
Remove the eight stickers and screws securing the inner door to the outer door. Dismantle the inner door, rotate it 180° and reinstall it into the outer door using the same eight screws and stickers(Fig. 12-5).

3. Remove, rotate and replace the door lock & strike plate

Remove the two screws holding the strike plate, and then remove one screw of the door lock, push down and take out the lock, rotate 180° and install it on the opposite side using the same 3 screws and strikes(Fig. 12-6).

4. Rotate and replace the hinge/door assembly

Rotate the hinge/door assembly and screw it on the dryer(Fig. 12-7).



12.7 Wash-dryer stack

It is possible to achieve a washer-dryer stack.(Fig. 12-8) Not every washing machine is suitable for this purpose. Stacking information, as well as the corresponding mounting kit are available via your local dealer.
The mounting instructions are supplied with the kit which thoroughly inform the installation steps.

12.8 Level the dryer

It is IMPORTANT to level the dryer to ensure the machine runs efficiently with minimal noise.The dryer should be levelled in, so it stands balanced ecenly on all four feet.Ensure the dryer does not rock in any direction.

Level the dryer side to side(Fig. 12-10):

- Place the gradienter at the centre back of the dryer.
- Adjust the rear feet until the dryer is level side to side.
- Never fully screw the feet completely from their housings.

Level the dryer front to back(Fig. 12-9):

- Place the gradienter on the left side.
- Adjust the front left foot (wind down).
- Repeat the above for the right foot.

Double check the dryer is balanced(Fig. 12-9):

- Place the gradienter at the centre front of the dryer.
- Ensure the dryer does not rock in any direction.
- If dryer is not balanced repeat the above steps.

After levelling, the corners of the dryer cabinet should be clear of the floor and the dryer. must not rock in any direction.

12.9 Draining

The dryer is equipped with a condenser unit which accumulates water during the drying cycle.This water is collected in the removable water tank located at the top left of the dryer.The accumulated water must be emptied after each drying cycle or you can setup your dryer to drain automatically using the drain hose included.
We recommend the dryer is set up to drain automatically where possible especially when drying full loads,this will avoid the risk to empty the water tank during a drying cycle.

- Remove the black hose from the connection at the back of the dryer(Bottom right of the the back Fig. 12-11).
- Uncoil the grey drain hose (included with your dryer) and connect it to the machine drain port(Fig. 12-12).
- Place the other end of the drain hose into a tub or standpipe.

Productfiche (acc. to EU 392/2012)

Trade mark	Haier
Model identifier	HD90-A3Q397U1 HD90-A3Q397SU1
Rated capacity (kg)	9
Kind of tumble dryer	Heat Pump
Energy efficiency class	A+++
Weighted Annual Energy Consumption (AE_c in kWh/year) [1]	175
Tumble dryer with or without automatic	with automatic
Energy consumption of the standard cotton program [3] at full load (kWh/cycle)	1.42
Energy consumption of the standard cotton program [3] at partial load (kWh/cycle)	0.81
Power consumption of the off-mode (W)	0.49
Power consumption of the left-on mode (W)	0.67
Duration of the „left-on mode" (min) [2]	40
Standard drying program [3]	ECO
Weighted program time of the standard drying program [3] at full and partial load (min)	150
Program time of the standard cotton program [3] at full load (min)	208
Program time of the standard cotton program [3] at partial load (min)	125
Condensation efficiency class [4]	A
Weighted condensation efficiency for the standard cotton program [3] at full and partial load (%)	89
Average condensation efficiency of the standard cotton program [3] at full load.	90
Average condensation efficiency of the standard cotton program [3] at partial load	91
Weighted sound power level of the standard cotton program [3] at full load (dB)	61
Built-in or freestanding	Freestanding/ built under

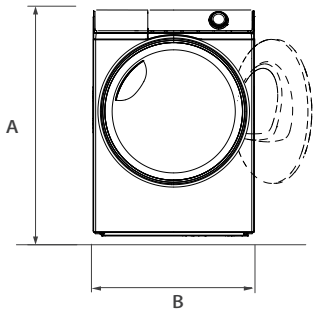
13-Technical data

1) Based on 160 drying cycles of the standard cotton program at full and partial load, and the consumption of the low-power modes. Actual energy consumption per cycle will depend on how the appliance is used.
2) In case there is a power management system.
3) This program used at full and partial load is the standard drying program to which the information in the label and the fiche relates to. This is the program suitable for drying normal wet cotton laundry and it is the most efficient program in terms of energy consumption for cotton.
4) Class G is the least efficient and Class A is the most efficient.

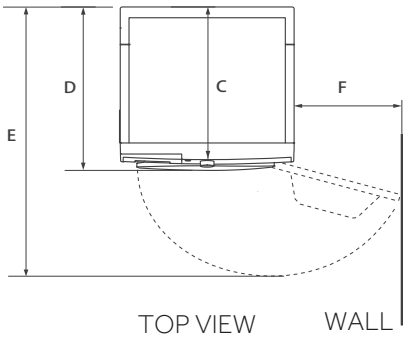
Additional data

Power supply (refer to rating plate) - voltage / current / input	220–240 V~50 Hz/ 2.7 A/ 630 W
Permissible ambient temperature	5°C to 35°C
Fluorinated greenhouse gas Volume	R290 0.15 kg

Product dimensions



FRONT VIEW



TOP VIEW WALL

PRODUCT DIMENSIONS	HD90
A Overall height of product mm	845
B Overall width of product mm	595
C Overall depth of product (To main control board size) mm	660
D Overall depth of product mm	700
E Depth of door open mm	1135
F Minimum door clearance to adjacent wall mm	250

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

14- hOn

Note: Deviations

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

14.1 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.

14.2 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 1-32 characters(including 1 and 32), 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

14.3 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

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 username and password after you log in.

14.4 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. Pairing the appliance following the instructions on the App.

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.

14.5 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. Start the cycle using the app, control panel will be disabled except for "Power" and "Start/Pause" button.
4. The Remote Control can be also activated by pressing "" button during the cycle running.
5. Once the cycle has been completed, 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 Standby Mode, and keeps remote control up to 24 hours, then shut off.

14.6 Disable Remote Control

1. To exit remote control while a cycle is running, press "" button on the control panel. The appliance will keep running the cycle and go to read only mode;
2. To resume the Remote Control by pressing the "" button again.
3. Control the appliance using the App.

14.7 End of Cycle With Remote Control On

1. At the end of the cycle,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.

14.8 Configuration information deleted

1. Long press" " button for 5 seconds, " Do you want to reset the Wi-Fi credentials**?"** displayed on the control panel;
2. Press "Yes" to confirm;
3. Configuration information is deleted.

15-Customer service

We recommend our Haier Customer Service and the use of original spare parts.
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 or
- The Service & Support area at www.haier.com where you can find telephone numbers and FAQs and where you can activate the service claim.

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**
Italy	Haier Europe Trading SRL Via De Cristoforis, 12 21100 Verese ITALY	**France**	Haier France SAS 53 Boulevard Ornano – Pleyad 3 93200 Saint Denis FRANCE
Spain Portugal	Haier Iberia SL Pg. Garcia Faria, 49-51 08019 Barcelona SPAIN	**Belgium-FR Belgium-NL Netherlands Luxembourg**	Haier Benelux SA Anderlecht Route de Lennik 451 BELGIUM
Germany Austria	Haier Deutschland GmbH Konrad-Zuse-Platz 6 81829 München GERMANY	**Poland Hungary Greece Romania Russia**	Haier Poland Sp. zo.o. Al. Jerozolimskie 181B 02-222 Warszawa POLAND
United Kingdom	Haier Appliances UK Co.Ltd. 302 Bridgewater Place Birchwood Park Warrington WA3 6x	**Czech Republic and Slovakia**	Haier Europe čR s.r.o. Sokolovská 651/136a, 186 00 Praha 8 Karlín Czech Republic

*For more information please refer to www.haier.com

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