

## FAQ

Phenomenon	Confirmation items	Remedy
Only cold water and pointer not light when heat	1 No power to heater	Check power
	2 Uncontrollable thermostat	Contact with service department when 1 is excluded.
Heating pointer always light	1 Setting water temperature not obtain	Keep heating
	2 Uncontrollable thermostat	Contact with service department when 1 is excluded.
Unconstant flow and temperature of water	Unconstant water pressure	Adjust the flux of outlet water or use with constant water pressure
Insufficient hot water	1 Temperature set too low	Adjust setting water temperature
	2 Excessive water pressure	Adjust the flux of outlet water

## Packing List

Name	Electric water heater (set)	Safety valve (pcs)	Drain hose (ply)	Expansion bolt (pcs)	Expansion hook (pcs)	User's manual (copy)
Quantity	1	1	1	2	2	1

## Note

This appliance is not intended for use by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.



### Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

# Haier

0040500304  
2010/07/26

## Pre-safe Expert



Mark of Haier Safe Water Heaters

This mark is the designation for Pre-safe Expert of Haier Water Heater Company, which indicates use of the company's patented technology inside the product. It ensures you a safe bath while monitoring whether your house ground wire is live or not all the time. If this mark is lighted on, it indicates your house ground wire has come live (poor grounding and live). In this case, please immediately stop use and disconnect the power, and remember not to touch any electric appliance shell in your house. At the same time, immediately contact after-sales service and your property management company for professional repair until the mark goes off. Pre-safe Expert will become the electric safeguard for your family.

## Before Usage

Dear users,

Thanks for choosing Haier water heater product.

Haier products have good quality and excellent performance. To facilitate you to use the product, please read the manual and operate accordingly. Please retain it for future reference.

The international star service of Haier Group will always accompany you. No matter what kind of problems you meet in usage, please contact with the local after-sales service agent. We are at your service all the time. Thanks again for choosing Haier Product.

The water heater you purchased may not full comply with the manual due to the improvement of product. We apologize for the inconvenience occurred therefrom.

## Features

### 1 Safety

High-quality heat proof stainless steel electric heating element, overtemperature protection; overpressure protection of tank; safe and reliable.

"Safe Care" patented design together with the function of monitoring and displaying of live ground wire has become a real safeguard for family safety.

### 2 Durability

The shell adopts dusting anticorrosion treatment, handsome and durable enamel tank, with reliable quality and long operation life.

### 3 Convenience

Adjustable heating temperature. Adjustable water temperature. Adjusting range: water inlet temperature~75°C.

### 4 Multiple usage

Enclosed structure, capable of supplying water to multiple places like toilet, kitchen etc. Suitable for family, enterprises, service trades like beauty care on hot water supply (not drinkable).

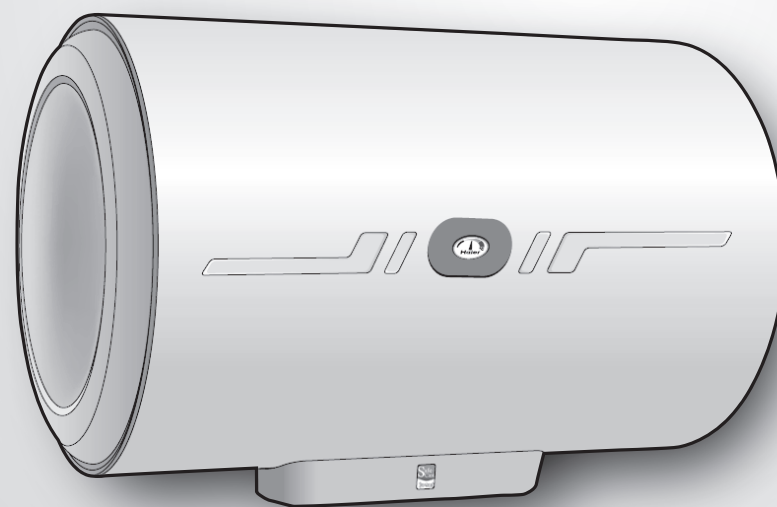
### 5 Nice molding, horizontal type wall-mounting design, saving space.

The water heater you purchased is the improved model of the series product. Please operate according to the user's manual.

# Haier

Haier Household Electric Water Heater  
User's Manual

ES25H-H1(H)  
FCD-JTHA30-III(ET)  
FCD-JTHA40-III(ET)  
FCD-JTHA50-III(ET)  
FCD-JTHA60-III(ET)  
FCD-JTHA80-III(ET)



- Please read this manual before usage
- Retain it for future reference
- See the physical product for the appearance, colour or pattern

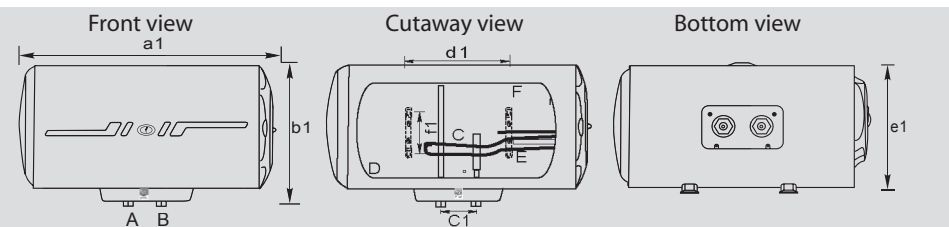
## Parameters

Rated voltage/Frequency	Rated power	Rated pressure	Waterproof grade	Dimension/Weight/Volume	Tap water pressure	Attestation
220V~,50Hz	500W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	/
220V~,50Hz	800W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	/
220V~,50Hz	1200W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	/
220V~,50Hz	1500W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	/
230V~,50Hz	1650W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	/
230V~,60Hz	1650W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	/
230V~,50Hz	2000W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	/
220-240V~,50/60Hz	1650W	0.80MPa	IPX4	See to Figure1	no less than 0.05MPa	CE

All the rated power mentioned above are available for this model. For more details, please refer to the nameplate.

## Dimensions

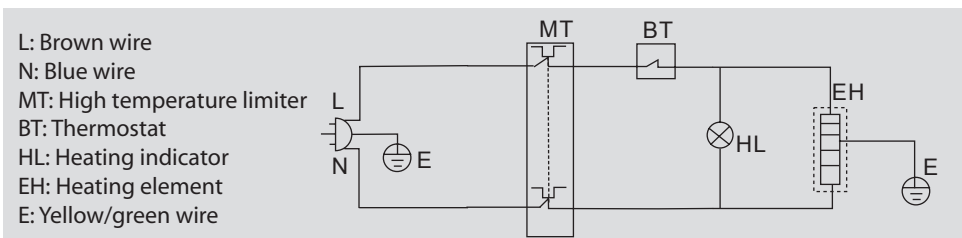
(Figure 1)



Model	Volume (L)	Net weight (kg)	Rated temperature (°C)	a1 (mm)	b1 (mm)	c1 (mm)	d1 (mm)	e1 (mm)	f1 (mm)	A. Hot water outlet	B. Cold water inlet	C. Heating element	D. Enamel tank	E. Wall-mounting bracket	F. Magnesium anode rod
ES25H-H1(H)	25	15	75	569	385	100	192	350	200						
FCD-JTHA30-III(ET)	30	15	75	569	385	100	192	350	200						
FCD-JTHA40-III(ET)	40	16.5	75	688	385	100	200	350	200						
FCD-JTHA50-III(ET)	50	18.5	75	694	440	100	220	400	200						
FCD-JTHA60-III(ET)	60	20.5	75	795	440	100	305	400	200						
FCD-JTHA80-III(ET)	80	26.5	75	991	440	100	521	400	200						

Remarks: The permitted error limit of above parameters is ±10%.

## Electric Circuit Diagram



## Description of the Symbols



Never do that



Be sure to act as per instructions

## Safety Precautions



Check if the ammeter and the diameter of the wires are in accordance with the rated current of the water heater. If necessary please have it checked by experienced electrician.



The product is only available for alternating current. Be sure to use independent power and earth it reliably. Set the power of the water heater at dry position away from water spraying.



After installation, be sure to fill the heater completely with water before switching on the power in the first usage. Children must take bath under the supervision of adult.



In opening and closing the water valve, do not point the shower head to human body. Otherwise it may hurt by the spraying hot water.



In winter of cold area, if the heater is idle for a long period, please pull the handle of safety valve to discharge the water. Otherwise it may freeze inside the water heater and cause damages.



In case the power cord of the water heater is damaged, be sure to have it replaced by after service technicians with special cord offered by the manufacturer.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

The product adopts the patent "Safe Care" technology of our company. As long as adopting civil power supply, even if the earthing wire is electrified by mistake, the "Safe Care" technology still can block the dangerous electricity, and ensure your personal safety. But if you find perceptible current, please disconnect the power and contact local after service department for maintenance. Do not disassemble by yourself.

## Setting Environment



Do not set it at place where it is too cold and may freeze.



Do not set at outdoor places.



Do not use as floorstanding appliance.



Please mount it to firm and reliable wall.



Do not install to places without sewer.



In case connecting water heater with water drain hose, connect the drain hose to the inlet of the sewer to avoid polluting by splashing.

The original pipeline of the water heater is an organic part of "Safe Care". Do not remove it by yourself. Otherwise we will not take responsibility for the injury and loss caused by the safety trouble occurred therefrom.

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## Attentions in Installation

- During installation, adequate space must be reserved for future maintenance and repair. If the water heater is installed within decoration boards, the right board shall be removable to facilitate removing the plastic cover during maintenance.
- City water inlet pressure shall not be less than 0.05MPa, Maximum pressure can not exceed 0.75MPa.
- Electric water heater shall be installed indoors with ambient temperature above 0°C. The pipes shall be collectively laid. Hot water outlet shall not be too far from use points. In case farther than 8m, hot water pipe shall have a thermal insulation to minimize heat loss.
- The mounting wall shall be firm and reliable to support **four times** the weight of water heater full of water. Non-load bearing walls or air brick walls must have corresponding protective measures like additional support, wall-through screws or back boards.
- Electric water heater shall be located in a place easy for use, maintenance and with a floor drainer. In case the tank or pipes leak, nearby or lower facilities shall not be damaged. The installation location shall avoid being above toilet bowl, bathtub, washbasin or doorframe, which will cause a suppressed or unsafe feeling to users.
- Power for water heater shall be in a dry place free of water splash. (splash-proof box is preferred).
- Do not confuse inlet and outlet water pipes. Safety valve shall be installed at designated position with no random modification.
- All water pipes should be installed by qualified water pipe installation workers. The pipelines should comply with the national standards and regulations on the prohibition of prevention tools to draw water to water source pipelines by way of inverse siphon, as well as local building codes.
- The pipelines must be installed by qualified tap water pipe installation personnel. The pipelines must comply with applicable national standard that specifies preventing of non-drinking water in the appliances from being siphoned back to the water source as well as local construction regulations.

## Operation Instructions

- For the first use after installation, due to the dryness of the tank, first the city water inlet valve and mixing valve must be opened. Close the mixing valve when water flows out continuously from the showerhead or other outlets (the tank is full). Check connections are free of water leakage, and connect power.
- Turn the knob to set your desired water heating temperature, which can be stepless changed between cold water inlet temperature and 75°C. In heating mode, heating lamp is lighted on. Normally the knob shall be positioned at highest temperature. This machine has a thermostat function, which automatically switches off the water heater when temperature reaches the setting value, and switch on again when water temperature decreases to certain value.
- City water pressure  $\geq 0.80\text{MPa}$  will cause much water flowing out from safety valve pressure relief vent. This is due to too high water pressure. Please ask after-sales service for correction.

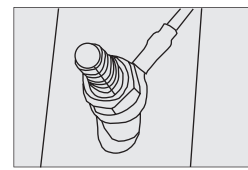
## Attentions in Operation

- 1 To avoid causing machine troubles, do not connect power before tank is full of water.
- 2 Adjust a suitable temperature before use, for water temperature above 50°C may burn your skin.
- 3 This product is closed water heater, which can supply hot water through pipe connection to several points like bathroom (bathtub, washbasin, showerhead) and kitchen.

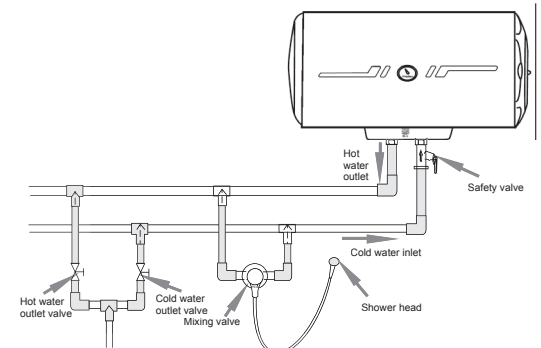
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## Installation

- Installation must be made by installers or designated personnels of our company's after-service department. The water heater shall be wall-mounted.
- If there is no power cord or plug and the power is not interrupted, the fixing line connected must be equipped with the all-pole disconnection device provided by breakaway contact under the overvoltage type III condition according to wiring rules.
- Before installation, make sure the water heater's rear wires are fit firmly. Determine an installation location. Make four holes  $\varnothing 12\text{mm}$ , 65mm deep in the wall with an impact drill according to installing dimension. Insert fix expansion hooks and expansion bolts in corresponding wall holes. Lift the water heater. Insert wall rack onto the hooks and bolts. Fit at washers, rear wires and nuts in turn onto the bolts (see Figure 2). Tighten the nuts and check them firm. Install accessories such as safety valve, drain hose as shown in Figure 3. Use sealing compound to prevent water leakage.
- To facilitate installation and removal, it is suggested a G 1/2" movable nut is fitted at appropriate locations on inlet and outlet pipes respectively. Find water supply location. Connect inlet pipe, outlet pipe and city water pipe respectively to the use point.
- The hot water pipe shall not be too long to reduce the heat losses.
- Please reserve some space in installation for the future maintenance.
- If there is no plug and the power is not interrupted, the fixing line connected must be equipped with the all-pole disconnection device provided by breakaway contact under the overvoltage type III condition according to wiring rules.



(Figure 2)



(Figure 3) for reference in installation only

- The safety valve should be connected to the cold water inlet pipe. Please check carefully if the direction is correct after installation. The correct direction of installation is that the arrowhead on the safety valve should point to the water heater.
- Please connect the drain hose to the safety valve. Connect one end of the hose to the safety valve vent and the other end to the sewage drain. The hose can be cut short or extended as necessary. The hose shall be installed as inclined downward. (see to Figure 4)
- The water may drip from the discharge pipe of the pressure relief device and that this pipe must be left open to the atmosphere and installed in a continuously downward direction and in a frost-free environment. Check safety valve once a month as follow: move the small handle of safety valve, if there's water flowing out, safety valve is normal; if there's no water flow, please contact local after-sales service station.
- The pressure relief device is to be operated regularly to remove lime deposits and to verify that it is not blocked.
- You also can drain the water heater through the safety valve.



(Figure 4)

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- 4 Heating adjustment can be made flexible all year round adapting to climate changes. In long-term out-of-use or maintenance, you can close city water pipe valve, open mixing valve to hot water range, and move up safety valve handle to drain the tank. To avoid injury, before next use, it is suggested to first open hot water valve before switching on the water heater, exhausting gas possibly retained in the pipeline. In this case, no smoke or fire is permitted near the open valve. Carefully check and confirm all parts are in good condition.
- 5 Provided hot water quantity can meet use demand, temperature setting shall be possibly low. It can minimize heat dissipation, high-temperature corrosion and sedimentation, ensuring a longer service life.
- 6 Regularly ask servicemen to make safety inspection, remove sediment on heating elements, and check consumption of anode bar. Too much consumed anode bar shall be replaced.

## Cleaning and Maintenance

Statement: This water heater shall only be repaired and maintained by qualified servicemen. Improper maintenance may cause severe injury or damage. Before opening or repairing water heater, please do disconnect power supply.

Note: Before asking for service, please refer to troubleshooting section to resolve easy problems.

- External Cleaning: Disconnect power supply before cleaning. Gently wipe with wet cloth dipped with a little of mild detergent. Do not use gasoline or other solvents. Finally dry with dry cloth. Keep water heater dry. Do not use cleansers containing grinding agent (e.g. toothpaste), acids, chemical solvents (e.g. alcohol) or polishers to clean.
- Internal Cleaning: To ensure high working efficiency, heating elements and tank liner of water heater shall be cleaned once in three years. Take care not to damage protection layer on heating elements and tank liner inner surface. According to different local water qualities and use habits, magnesium rod shall be periodically replaced. If maintenance is needed, please contact local service station.

## FAQ

Phenomenon	Confirmation items	Remedy
No water	1 No water supply or water pressure too low	Check
	2 Hot water access close	Check and clear
Only cold water but pointer light when heat	1 Hot water access close	Check and open
	2 Temperature not set to desired setting	Adjust temperature of water
	3 Heating time limit and setting temperature not obtained	Keep heating
	4 Defective heater	Contact with service department when 1 2 3 are excluded.

(To be continued)

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