

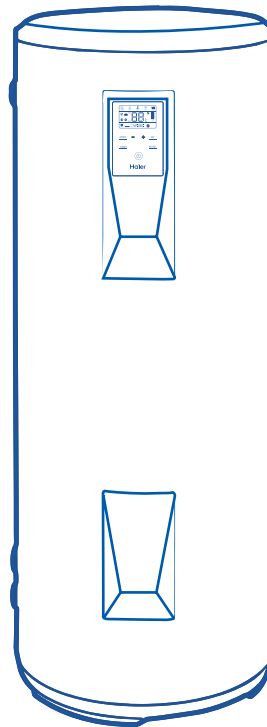
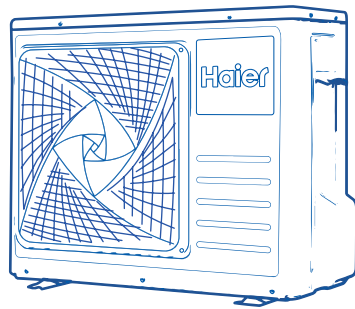
Haier

Heat pump Water Heater Operation and Installation Manual



Model

HP200S1
HP300S1



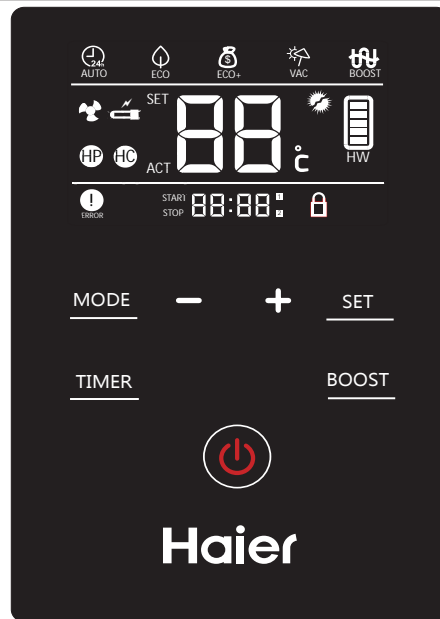
English

Please read this manual carefully prior to your use of this water heater.
The appearance of the water heater given in this manual is for reference only.


Operation and functions

Display





English










Description of the pictograms

Symbol	Description
	Power ON/OFF switch When turned off, the display shows the time and the actual water temperature. When turned on, the display shows the working mode. The default temperature setting is 55°C in the factory. It can be adjusted simply by pressing + & - directly on the default display.
MODE	Working mode selection: Press the key, the AUTO mode, ECO mode, ECO+ mode, VAC mode is displayed in turn. Press SET or wait 6 seconds the mode is selected.
SET	Confirm button
TIMER	Timer adjust: press this key, then Press the + and - to adjust the time.
BOOST	Turn on or off fast heating function : Heat pump and Auxiliary electrical heater are activated at same time.

Description of the pictograms

Symbol	Description
	<p><u>Auto mode</u></p> <ul style="list-style-type: none"> - Optimised management of the heat pump and the electrics for guaranteed comfort ; - Prior using heat pump; - If compressor works more than the default 8 hours , start the auxiliary power ; - The compressor maximum continuous working time(AA) can be adjust in the installer settings.
	<p><u>ECO (off-peak) mode</u></p> <ul style="list-style-type: none"> - In this mode ,priority using heat pump,start the Auxiliary electrical heater only in off-peak time; - In two ways using heat pump,should set in the installer settings in advance ; 01- timer refer to LP parameter; 02-switch signals by power companies. - In 01 mode, Press SET, press + and - to set Start time of first Low price L1. Than,set Colsed time of L1. And than, press SET, to defined for L2. - In 02 mode, HC light up in Time of use hours, HP light up in Peak hours.
	<p><u>ECO+ (off-peak) mode</u></p> <ul style="list-style-type: none"> - In this mode ,priority using heat pump, heat pump and Auxiliary electrical heater are activated only in off-peak time; - In two ways using heat pump,should set in the installer settings; 01- timer refer to LP parameter; 02-switch signals by power companies. - In 01 mode, The Start time and Colsed time settings as the ECO (off-peak) mode .
	<p><u>Holiday mode</u></p> <ul style="list-style-type: none"> - According to the vacation dates in advance to prepare hot water; - For example, you leave home for vacation on January 1st and return home on January 5th. The date shall be set as (5-1) =4 days, and corresponding temperature shall also be set. The heat pump will start heating on 00:00 o'clock of January 5th automatically.






Description of the pictograms	
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Symbol	Description
	Boost mode. Heat pump and Auxiliary electrical heater are activated at the same time.
	Heat pump working icon.
	Auxiliary electrical heater working icon.
	Time of peak/off-peak hours. In Time of peak/off-peak hours mode, the symbol corresponding to the mode is displayed.
	Alarm display icon.
	<u>Anti-legionella</u> - Anti-legionella function will be activated every 7 days to heat the tank to 65°C automatically.
	Hot water volume display.

Note: Under certain conditions, ECO mode and ECO+ mode may result in shortages of hot water (mainly due to air temperatures outside the operating range).

Operating functions

Installer settings

- To open the installer settings, press  switch off the system, then press  and **SET** at the same time for 10 seconds.
- When menu is open, press  or  to change the value of the settings.
- Press **SET** to confirm the settings.
- Press  to close the menu.

Parameters	Description	Factory setting	Adjustment range
LL NO, NC	<u>Off-peak signal type</u> When you use off-peak time clock control, first determine the type of signals, Only allow professional installers to operate. - NO corresponds to Normally Open Signal. - NC corresponds to Normally Close Signal.	NO	NO, NC
LP 01, 02	<u>Off-peak logic type</u> - In two ways using heat pump, should set in the installer settings - 01 manually set off-peak time; - 02 switch signals by power companies.	01	01, 02
AL ON, OF	<u>Avoid Legionella</u> - This parameter is used to activate the legionella protection mode. - Once every 7 days, all domestic hot water is heated to 65 °C.	ON	ON, OF
AA 5-10	<u>Compressor maximum continuous working time</u> - If the maximum continuous working time of the compressor more than Set Time, start auxiliary power.	8h	5-10h
EH ON, OF	<u>Auxiliary Heating in off-peak time</u> - ON corresponds to turned on auxiliary Heating. - OF corresponds to turned off auxiliary Heating.	ON	ON, OF

Checking and maintenance



- Installation and maintenance of the appliance must be done by a qualified professional .
- Before working on the appliance, Shut down the machine and cut off the power supply .
- Do not touch with wet hands.
- Maintenance operations are important to guarantee optimum performance and extend the life of the equipment.

Checking of the Safety valve

- Operate the safety valve at least once a month to check if it is running correctly. Otherwise check for blocking and replace the safety valve if necessary.

Checking of the hydraulic circuit

- Check the watertightness of the water connections.

Cleaning of the fan

- Check the cleanliness of the fan one time per year.

Checking of the evaporator



- Because the evaporator fins is very sharp. Risk of injury on your finger.
- Do not damage the fins. Avoid affecting the performance.

- Clean the evaporator at regular intervals using a soft-haired brush.
- If they are bent. Carefully realign the evaporator using a suitable comb.

Checking of the condensates discharge pipe

- Check the pipe cleanliness .
- An obstruction by dust may cause poor condensates flow or even a risk accumulation of water in the heat pump plastic base.

Checking of the Magnesium rod

- The magnesium anode should be replaced in time, avoid tank corrosion.
- Checking magnesium anode once every 2 years .In poor water areas need to shorten the time.


Drain the water tank to empty

- Cut off power supply and shut down water inlet valve, then drain the water tank to empty via the sewage outlet. Please stay away from the sewage outlet if there is hot water inside the water tank to avoid injury.

Faults and protection

Fault type	Action	Digital indication	Release
Compressor protection	Operating temperature protection	F2	After fault is solved, switch on power supply for release
	Air exhaust temperature protection	F3	
	Evaporation high temperature protection	F5	
Compressor over-current protection	Over-current protection	F6	
Electricity leakage alarming	The system will automatically cut off power supply if any line fault occurs	E1	After fault is solved, switch on power supply for release
Over temperature alarming	The actual water temperature ≥ 85	E2	
Fault of the inner temperature sensor	If short circuit or circuit break occurs to the sensor	E3	
Fault of the ambient temperature sensor	If short circuit or circuit break occurs to the sensor	E4	
Fault of the evaporation temperature sensor	If short circuit or circuit break occurs to the sensor	E5	
Fault of the air exhaust temperature sensor	If short circuit or circuit break occurs to the sensor	E6	
Fault of the air intake temperature sensor	If short circuit or circuit break occurs to the sensor	ED	
Communication fault	Communication of main control panel and display panel is abnormal	E7	
Pressure switch protection	Action of the pressure switch at the exhaust outlet	E8	
Ambient temperature protection	Ambient or outdoor temperature < -7 or > 45	E9	
Fault of the Off-peak power switching signal	If not received the Off-peak signal when selecting switch signals by power companies	EF	



The  symbol on the product or on its packaging indicates that this product is not to be treated as regular household waste. Instead, it must be taken to a recycling collection point for electrical and electronic equipment. By properly disposing of this product, you are contributing to the preservation of the environment and the wellbeing of your fellow citizens. Improper disposal is hazardous to health and environment. You can obtain further information on how to recycle this product from your municipality, your waste management service or the shop where you purchased it.