



Thinking of you
Electrolux



EN ELECTRIC HYBRID WATER HEATER
SP CALENTADORES DE AGUA
ELÉCTRICOS HÍBRIDOS

USE AND CARE GUIDE
MANUAL DE USO Y MANTENIMIENTO

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Serial # _____

Keep the model and serial number here. You can find them on the front side of your water heater.

Save this Use and Care Manual with your Model Number and Serial Number for your records.

Register your unit at:
www.electroluxappliances.com

**SAFETY
INFORMATION**

**INSTALLATION
INSTRUCTIONS**

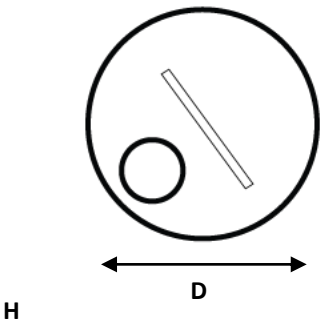
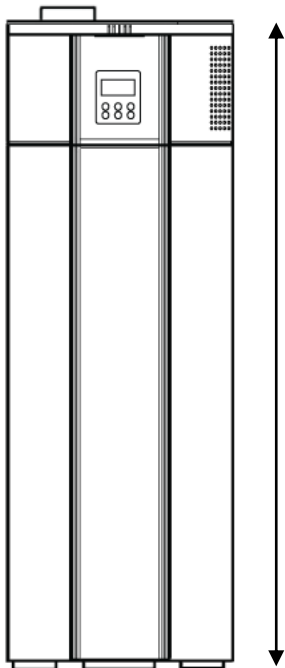
**OPERATING
INSTRUCTIONS**

MAINTENANCE

**ALARMS AND
ERROR CODE**

FAQS

**CONSUMER
SUPPORT**



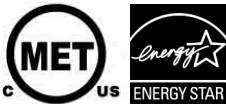
	EE50WP30PS EE50WP35PS	EE66WP30PS EE66WP35PS
Height (H)	59½"	70½"
Diameter (D)	25½"	25½"
Weight (lbs)	195	243

SPECIFICATIONS

Power supply	220-240V AC Single Phase
Frequency	60Hz
Electric outlet minimum rating	30A
Heat pump output (ambient temp 68F)	2.75kW
Primary electric heater output	4kW
Back-up electric heater output	4kW
Maximum water temperature	135F
Maximum current	23A

COMPRESSOR

Make	Panasonic
Model	5RS080FBA21
Type	Hermetic Motor (Rotary)
Current rating	3.6A
Refrigerant	R410A (17.6 oz)
Pressure	HP:4.2MPa LP:0.2MPa
Suction tube ID	9.7mm
Discharge tube ID/OD	6.53/9.53mm



SAFETY INFORMATION

SAFETY INFORMATION	Potential dangers from accidents during installation and use are divided into the following three categories. Closely observe these warnings, they are critical to your safety.	
INSTALLATION INSTRUCTIONS	 DANGER	Danger indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
	 WARNING	Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
	 CAUTION	Caution indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
OPERATING INSTRUCTIONS	 WARNING! The information contained within this Service Manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, personal injury, or loss of life. Before attempting to operate or service this water heater, be certain to read and understand the entire Use & Care Manual. Beyond minimizing the risk of property damage, personal injury, or loss of life, reading this Use & Care Manual thoroughly may save you cost and time. Pay particular attention to all of the Safety Information found herein. Failure to follow the enclosed Safety Information could result in serious bodily injury or even death. Should you experience problems understanding these instructions, or have questions, STOP and obtain help from a qualified service technician or the local electric utility company.	
MAINTENANCE	HOT WATER TEMPERATURE ADJUSTMENT Safety and energy conservation are factors to be considered when selecting and adjusting the hot water temperature with this and any hot water heater. Water temperatures set at 125°F or higher can result in severe burns or death from scalding. The factory default temperature setting is 120°F to reduce the risk of scald injury. Be sure to read and follow the warnings outlined below to understand and prevent the risk of scald injury.	
ALARMS AND ERROR CODE	The Time/Temperature Relationship in Scalds chart may be used as a guide in determining the proper hot water temperature setting for your home. NOTE: Households with individuals that may be at a higher risk of scald injury (e.g., small children, disabled or elderly) may require a hot water temperature setting of 120°F or lower for their safety.	
FAQS	 DANGER: A Hot Water SCALD Potential exists if the hot water temperature is set too high. The introduction of mixing valves can serve to mix cold and hot water in branch water lines. For further information, contact a licensed plumber or local plumbing authority.	
CONSUMER SUPPORT		

Temperature	Time to Produce a Serious Burn
120°F	More than 5 minutes
125°F	1-1/2 to 2 minutes
130°F	About 30 seconds
135°F	About 10 seconds
140°F	Less than 5 seconds
145°F	Less than 3 seconds
150°F	About 1-1/2 seconds
155°F	About 1 second
160°F	Instantaneously

2

SAFETY INFORMATION

WARNING!

Gasoline, as well as other flammable materials and liquids (adhesives, solvents, etc.), and the vapors they produce, are extremely dangerous. DO NOT handle, use or store gasoline or other flammable or combustible materials anywhere near or in the vicinity of a water heater. *Be sure to read and follow all warning labels on the water heater, as well as the warnings printed in this Use and Care Manual.* Failure to do so can result in property damage, bodily injury, or death.

For Installations in the State of California

California Law requires the installation of residential water heaters to be braced, anchored or strapped to resist displacement due to the affects of earthquake motions. A brochure exists which addresses residential water heaters up to 52 gallon capacity. In this brochure you will find generic bracing instructions. To obtain this brochure, please contact: Office of the State Architect, 400 P Street, Sacramento, CA 95814 or call 916-324-5315.

Applicable local codes and regulations shall always govern installation. Consult the local building jurisdiction for the acceptable bracing methods in your area.

California Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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INSTALLATION INSTRUCTIONS

SAFETY INFORMATION	A. LOCATION REQUIREMENTS  CAUTION: <i>This unit must be installed indoors only.</i> Install unit in a clean, unobstructed, flat and dry area. Ensure hot water lines are insulated to minimize energy waste. Ensure that the unit and water lines are protected from corrosive conditions and freezing temperatures.
INSTALLATION INSTRUCTIONS	 WARNING: To avoid potential damage from water leakage, place the unit over a suitably sized drain pan and ensure that the drain pan is unblocked and adequately drained. It is recommended that the drain pan has at least 2 inches of clear space all around the unit's circumference. Ensure that the unit is securely placed on the drain pan and the drain pan itself is securely placed on the ground. The unit must stand vertical, without any incline.
OPERATING INSTRUCTIONS	 WARNING: This unit must not be installed in a space where liquids give off flammable vapors or where such liquids are used or stored. Such liquids include gasoline, LP gas (butane and propane), paints or adhesives and their thinners, solvents or removers. Because of natural air movement in a room or other enclosed space, flammable vapors can be carried from where their liquids are being used or stored. The arc drawn within the unit's control can ignite these vapors causing an explosion or fire which may result in severe burns or death to those in range as well as property damage.
MAINTENANCE	 WARNING: This unit intakes ambient air in proximity to the unit and exhausts air that is cooler than the ambient air. If the exhaust air is vented out of the install area by ducting the exhaust outlet, ensure that there is adequate air supply to the unit to avoid negative pressure. Negative pressure occurs when the unit exhausts more air out of the install area than air allowed into the install area. Extra caution is advised if a wood stove or combustion heater is located in the install area. Ensure that the unit does not back-draft smoke from the operation of a wood stove or combustion heater into the home.
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INSTALLATION INSTRUCTIONS

B. DIMENSION, SPACE REQUIREMENT AND VENTILATION

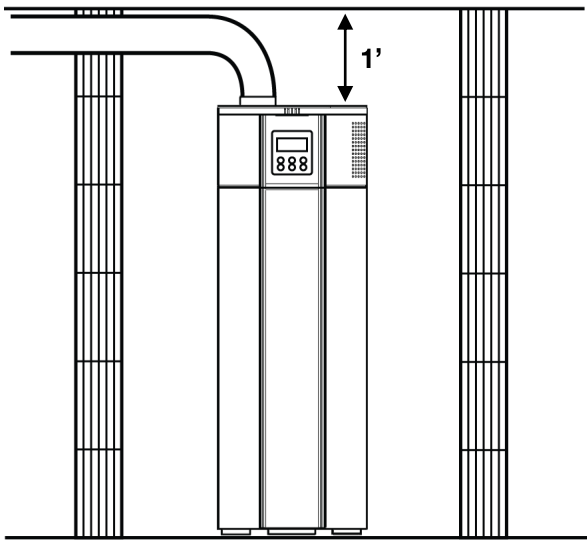


Fig. 1

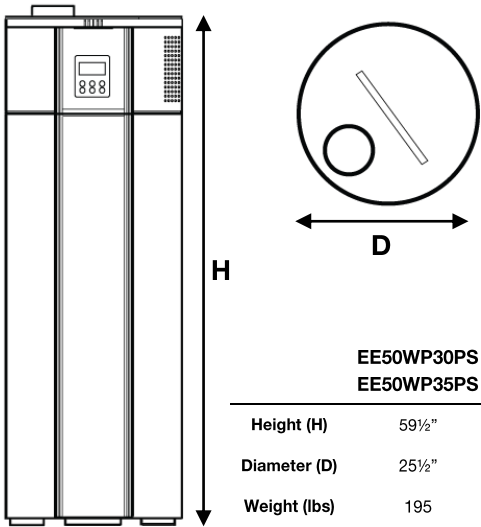


Fig. 2

	EE50WP30PS EE50WP35PS	EE66WP30PS EE66WP35PS
Height (H)	59½"	70½"
Diameter (D)	25½"	25½"
Weight (lbs)	195	243

Please check dimensions of the model you intend to install and ensure that the unit has a minimum of 1 foot of clearance from the top. If the unit is ducted to vent the exhaust air, ensure that sufficient clearance is available. Ensure that air intake to the unit is not blocked or obstructed. It is recommended that the unit be strapped to a wall for safety.

If the unit is installed in an enclosed room:

- a. The room size must exceed 1,000 cubic feet OR**
- b. The room must have a louvered door or similar ventilation OR**
- c. The unit must be ducted to vent the exhaust air out of the enclosed area.**

NOTE: The water heater is also available in a dual vent version. See page 13 for details on how the water heater can be ducted for both exhaust and intake air.

C. LOCAL INSTALLATION REGULATIONS

This water heater must be installed in accordance with the instructions herein, and all local codes, including utility and utility company requirements. In the absence of such local codes / requirements, the latest edition of the National Electrical Code shall be followed. A copy of the National Electrical Code may be available at your local library or it can be purchased from the National Fire Prevention Association, Batterymarch Park, Quincy, MA 02169 as booklet ANSI/NFPA 70.

D. ELECTRICAL REQUIREMENTS

Unit must be connected to a dedicated 240V/60Hz single phase power outlet rated for 30 amperes. Confirm that this power outlet is not being shared with another appliance.

A separate branch circuit must be provided by a qualified electrician or service personnel. The branch circuit should contain copper conductors, overcurrent protection and a suitable disconnecting means. All wiring must conform to all local codes, including utility and utility company requirements, or in their absence, the latest edition of the National Electrical Code ANSI/NFPA 70.

WARNING:

A proper ground connection for the water heater is critical. The water in the piping and water heater will not serve as a sufficient means of conduction for a ground. The water heater can be electrically isolated via nonmetallic piping, dielectric unions, flexible connectors, etc.

SAFETY INFORMATION	INSTALLATION INSTRUCTIONS	OPERATING INSTRUCTIONS	MAINTENANCE	ALARMS AND ERROR CODE	FAQS	CONSUMER SUPPORT
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INSTALLATION INSTRUCTIONS

SAFETY INFORMATION	E. MAIN WIRING PORT The unit is to be hard-wired to a 240V, 30A outlet using a flexible conduit with a conduit connector. Locate the main wiring port. There are three 10AWG wires within the main wiring port with soldered ends: L1, L2 and G (the G or Ground wire is the yellow/green wire). 1. Remove the main wiring port access cover. 2. Feed the external electrical wires through the wire pass through by unfastening the outer cable ring. Be sure to have the external electrical wires fed through the outer cable ring for reassembly.
INSTALLATION INSTRUCTIONS	3. Connect the water heater's wires to the external electrical wires using insulated butt splice connectors or wing nuts (not included). Ensure that: A. External wires have a 10AWG rating B. Butt splice connectors or wing nuts have the correct rating to connect two 10AWG wires. If wing nuts are used: i. Use #10 red wing nuts for copper to copper connections or #10 purple wing nuts for copper to aluminum connections. ii. Clip the soldered ends of the unit's wire and strip the insulation sheath adequately to unveil unsoldered wire ends. 4. Place the wires back in the unit, replace the access cover and fasten the outer cable ring around the exiting wires.
OPERATING INSTRUCTIONS	When the main port is wired and power supply turned on, the electronic control panel is activated. A second wiring port is located next to the main wiring port and is labeled 'Back up heater'. Under normal operation, only the main wiring port must be wired and the Back-up heater wiring port must remain un-wired. The back-up heater is an emergency heating source and must be wired only when a system failure is preventing the unit from operating normally. This procedure must be authorized by Electrolux and performed by an Electrolux qualified service personnel. Failure to do so will void the warranties on the product.
MAINTENANCE	
ALARMS AND ERROR CODE	
FAQS	1. Main Wiring Port 2. Back-up Heater Wiring Port (for emergency use only) 3. Wire Pass Through with Cable Ring Fig. 3
CONSUMER SUPPORT	F. AMBIENT TEMPERATURE REQUIREMENTS This unit is to be installed in an area where the ambient temperature is within 20°F - 120°F. G. MOVING THE UNIT When moving the unit for installation, please keep the unit as upright as possible.

INSTALLATION INSTRUCTIONS

H. RELIEF VALVE AND DRAIN VALVE

The unit is pre-attached with T&P/relief and drain valves.

CAUTION:

The water heater is supplied with a Temperature/Pressure Relief Valve that must remain installed. No valve of any type is to be installed between the Temperature/Pressure Relief Valve and the water heater. Please check the relief valve for damage or defect prior to turning the water heater on. A certified plumber must ensure that the relief valve is installed according to local codes.

Connect the outlet of the relief valve to a suitable open drain through the use of piping approved for hot water distribution. The drain piping (discharge line) and drain area should be such that the discharge of hot water does not come in contact with live electrical components or persons and the drain configuration should not promote the potential for water damage. The discharge line must allow for complete drainage (by gravity) and therefore must be no smaller than the valve outlet and must pitch downward from the valve. The end of the discharge line must not be threaded or concealed in any way. The discharge line must be protected from the potential of freezing. No valve, restriction or reducer coupling of any type is to be installed in the discharge line.

I. CONDENSATE MANAGEMENT

The unit has two condensate drains – primary and overflow. The primary drain has a 3/4" female port that must be hard piped. Hard piping using PVC pipes is recommended. The following piping scheme is recommended to connect the primary and overflow condensate drain ports (please refer to figure 5):

- A. Connect the stem of a suitable PVC T-adapter to the primary condensate drain port (stem must have 3/4" male threading). Ensure that the stem connection does not have an upward slope to prevent any backflow of condensate water.
- B. Hard pipe the downward facing slip of the T-adapter to channel the condensate water to a suitable drain.
- C. Insert the loose end of the overflow condensate drain hose (this hose is pre-attached to the overflow condensate drain) into the upward facing slip of the T-adapter.

Please ensure that condensate water flow is not restricted or obstructed at any point along the piping. Pay careful attention to all 90-degree connections along the piping to prevent an upward slope. A blockage in the condensate water piping will trigger an alarm (Error code A8) and shut off the heat pump. The unit will automatically switch to Heater mode until the blockage is addressed. The unit will also run an auto check every 48 hours (default setting) to determine if the blockage has been cleared. If the blockage is cleared, heat pump operation will be stored. Else the unit will continue operating in the Heater mode.

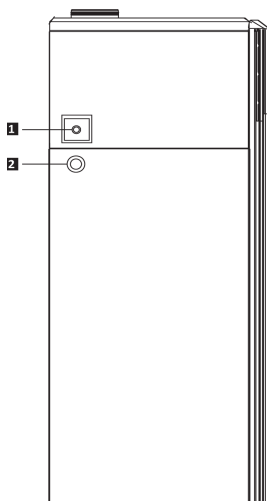


Fig. 4

- 1. Overflow Condensate Drain
- 2. Primary Condensate Drain

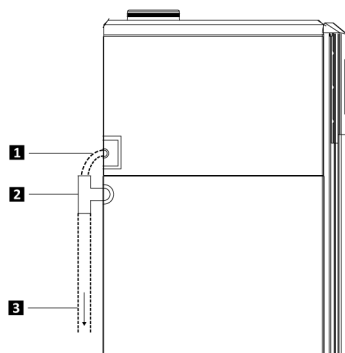


Fig. 5

- 1. Overflow Condensate Drain Hose
- 2. PVC T-Adapter
- 3. PVC Piping to Drain

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SAFETY INFORMATION	J. WATER SUPPLY CONNECTIONS The Hot and Cold Water connections are located on the side of the unit and are ¾" NPT. The connections are marked on the unit. Installation of unions/connectors and shut off valve (on the cold water side) is recommended to enable easier service or maintenance on the unit. Do not apply heat to any connection.
	K. THERMAL EXPANSION "Thermal Expansion" is an action that occurs as water is heated. The water expands in volume and creates an increase in pressure within the water system. Methods of dissipating this pressure depend on if the water system is "closed" or "open". In a "closed" water system, a check valve exists in the cold water inlet line that prevents backflow. It may be a separate backflow preventer, or it may be part of a pressure-reducing valve, water meter or water softener. In an "open" water system, there does not exist a check valve or backflow preventer in the cold water inlet line and therefore expanding water flows back into the city main where the pressure can be easily dissipated. Determine if a check valve exists in the cold water inlet line. Since a "closed" water system prevents the expanding water from flowing back into the city main, the action of "thermal expansion" occurs. "Thermal expansion" can create a rapid and dangerous increase in pressure in both the water heater and the water system piping. This increase in pressure can very quickly reach the safety setting of the relief valve, resulting in the discharge of water during each heating cycle. "Thermal Expansion" can cause premature failure of the relief valve and possibly the water heater itself due to the repeated expansion and contraction of components within the water heater and water piping system. It's important to know that replacing the relief valve WILL NOT correct the problem! The recommended method of controlling "thermal expansion" is to install an expansion tank in the cold water line between the water heater and the check valve (please refer to figure 6). The expansion tank is designed with a built in air cushion that compresses as the system pressure increases. This process relieves the over-pressure condition and thus the repeated operation of the relief valve. An expansion tank is only one method of controlling "thermal expansion". There are other methods available. Contact a licensed plumber, the local plumbing authority, water utility or plumbing inspector for additional information regarding "thermal expansion" control methods.
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FAQS	1. Hot water outlet to fixtures 2. To cold water supply 3. Shut-off valve 4. Union 5. Check valve 6. Thermal expansion tank 7. Drain pan
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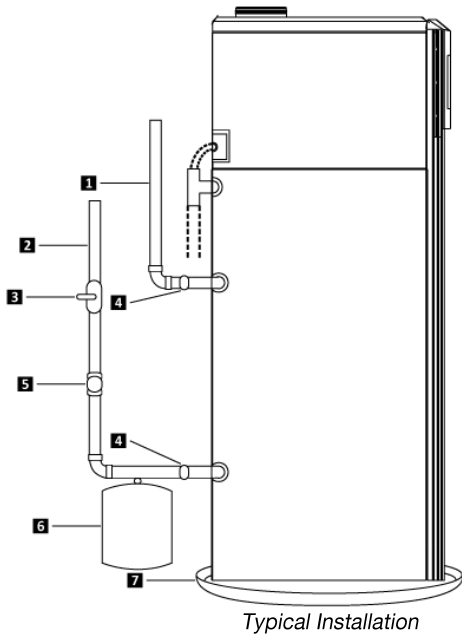


Fig. 6

INSTALLATION INSTRUCTIONS

L. FILLING WATER

WARNING:

The unit must be **COMPLETELY** filled with water before being turned on. Failure to do so may permanently damage the unit and will **VOID** manufacturer's warranty. To check if the tank is full:

- A. Ensure drain valve is shut tightly.
- B. Open cold water inlet valve to fill the tank.
- C. Open hot water faucets in the house slowly to allow air in the tank and piping to vent out.
- D. Smooth, undisrupted flow of water from the faucets indicates that the tank is full.

Turning the unit on when the tank is not completely full with water will cause water temperature to rise quickly and trigger an alarm. If the alarm is triggered, turn the unit off and re-check that the tank is completely filled with water.

M. WARRANTY DISCLAIMER

The manufacturer's limited warranty does not cover damage or defects as a result of incorrect installation, attachment or use of unapproved devices (e.g., energy-saving devices) into, onto or in conjunction with the water heater. Such devices may shorten the life of the water heater as well as possibly endanger life and property. The manufacturer disclaims any responsibility for such loss or injury in conjunction with the unauthorized use of such devices. If local codes require the application of insulating materials, such as insulation blanket kits, the manufacturer's instructions must be strictly followed.

Consider the following if an external application of tank insulation blankets or pipe insulation jackets are required by local code:

- A. **DO NOT** cover the temperature and pressure-relief valve.
- B. **DO NOT** cover access panels to the main/back-up wiring ports or heating elements.
- C. **DO NOT** cover any of the operating, safety or warning labels. **DO NOT** attempt to relocate these labels onto the insulation material.
- D. **DO NOT** block the exhaust/intake air vents.

N. INSTALLATION CHECKLIST

WARNING:

Check the following prior to turning on the unit. Failure to comply with installation instructions will void manufacturer's warranty.

1. Location and space requirements:

- A. Unit is installed in a room having a minimum size measurement of 1,000 cubic feet. If not, the room is louvered/ventilated or the unit is ducted to vent exhaust air. If exhaust air is being ducted, ensure adequate air supply to the unit to avoid negative pressure.
- B. Unit has a minimum of 1 foot of clearance from the top. Air intake to the unit is not blocked or obstructed.
- C. Unit is clear of any flammable object, liquid or vapor.
- D. Unit is level.

2. Plumbing connections and relief valve:

- A. Unit is completely filled with water.
- B. Check for water leaks.
- C. Primary and overflow condensate drains are hard piped to a suitable drain. Ensure water flow through the piping is unrestricted.
- D. Relief valve is not damaged or defective and is installed correctly.

3. Electrical Connections:

- A. Unit is connected to a 240V, 60Hz Single phase outlet rated for 30A.
- B. No other appliance shares the same breaker.
- C. Unit has proper ground connection and is electrically isolated.

4. Installation is performed by Electrolux certified/licensed professionals to meet local plumbing and electric codes.

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SAFETY INFORMATION	⚠ WARNING! Flammable hydrogen gas can be produced in a hot water system served by this water heater if the water heater has not been used for a long stretch of time (typically two weeks or more). HYDROGEN GAS IS EXTREMELY FLAMMABLE! To dissipate hydrogen gas, thereby reducing the risk of fire and injury, it is recommended that a hot water faucet is opened for several minutes, preferably at the kitchen sink, before using any electrical appliances connected to the home's hot water system. If hydrogen gas is present, the sound of air escaping through the pipe as the water begins to flow will be heard. DO NOT smoke or use an open flame near the hot water faucet while it is open.
INSTALLATION INSTRUCTIONS	⚠ WARNING! TURN OFF the power and water to the water heater if the water heater has been subjected to flood, fire, or physical damage. DO NOT operate the water heater until it has been thoroughly checked by Electrolux qualified service personnel. Safety Controls
OPERATING INSTRUCTIONS	The Electrolux Hybrid water heater has a built in temperature-limiting control (TCO) located at the primary heating element. If for any reason the water temperature reaches excessively high temperatures, the TCO breaks the power circuit to the primary heating element. Once opened, the TCO must be reset manually by Electrolux qualified service personnel. ⚠ CAUTION: The condition resulting in the TCO high temperature failure must be determined and corrective action must be implemented before placing the water heater back in service. Contact Electrolux qualified service personnel immediately.
MAINTENANCE	Final Safety Precautions A. DO turn off power to the water heater if the water heater is subjected to fire, flood, overheating or any other type of physical damage. B. DO NOT turn on the water heater unless the water heater is completely filled with water. C. DO NOT turn on the water heater if the cold water supply line's shut-off valve is in the closed position. D. DO NOT store or use gasoline or other flammable vapors and liquids, such as adhesives or paint thinner, in the vicinity of this or any other appliance. If such flammables must be used, be certain to open doors and windows for adequate ventilation.
ALARMS AND ERROR CODE	NOTE: Flammable vapors may be drawn by air currents from other parts of the home or surrounding area. Extreme caution must be taken.
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OPERATING INSTRUCTIONS

A. GETTING STARTED

How do I turn on the unit?

IMPORTANT: Before attempting to turn on the unit, please ensure the following:

1. Unit is connected to a dedicated 240V/60Hz single phase power outlet rated for 30 amperes. Confirm that this power outlet is not being shared with another appliance. Confirm that the unit is grounded.
2. Condensate drains (primary and overflow) are piped correctly to drain condensate.
3. Unit is **COMPLETELY** filled with water and there are **NO LEAKAGES** from any connecting port/valve. To check if the tank is full:
 - A. Ensure drain valve is shut tightly.
 - B. Open cold water inlet valve to fill the tank
 - C. Open hot water faucets slowly to allow air in the tank and piping to vent out
 - D. Smooth, undisrupted flow of water from the faucets indicates that the tank is full.

You are now ready to turn the unit on by pressing the Power ⓘ button in the Control Panel.

When the unit is off, the 'OFF' indicator in the control panel will be lighted. Please ensure the unit remains off until the tank is full with water.

Turning the unit on when the tank is not completely full with water will cause water temperature to rise quickly and trigger an alarm. If the alarm is triggered, turn the unit off and re-check that the tank is completely filled with water.

B. OPERATING MODES

Which mode is right for me? How can I change the current mode?

The unit is preset to Auto mode. You may choose any of the following three modes depending on your hot water usage and operating environment:

AUTO MODE (recommended): Auto mode runs the unit as a 'hybrid' to combine the efficiency of a heat pump with the high hot water delivery rate of an electric water heater. Average household hot water demand can be met by the heat pump alone. However, if hot water demand were to rise above normal levels, the electric element is triggered to supplement the heating provided by the heat pump.

ECON MODE: Econ mode is the most energy efficient mode in the unit. In this mode, the electric elements are deactivated and water is heated exclusively by the heat pump to maximize energy efficiency. While the Econ mode is factory set to run anytime during the day to meet hot water demand, users have the option to configure the timer feature to allow the unit to run during chosen time periods only (users may select up to 3 operating time periods in a 24 hour cycle). **This mode allows users to take advantage of off-peak power tariff rates.**

HEATER MODE: In the Heater mode, the heat pump is de-activated and water is heated by electric elements only. Please note that Heater mode will automatically revert to Auto mode within 48 hours of the Heater mode being activated (48 hours is the default setting – users may choose any duration from 12 to 999 hours). Users may select Heater mode to temporarily deactivate the heat pump and stop cold air exhaust and/or operate the unit at a lower noise level.

Press the 'MODE' button to select or switch between any of the three modes.

COLD CLIMATE OPERATION

Does the heat pump work efficiently in cold climate? Do I need to switch modes based on seasonal changes?

The heat pump is designed to operate even in freezing temperatures.

Heat pump efficiency and hot recovery rate are affected by ambient temperature. If you are running the unit in Econ mode and find that the unit is not able to meet the hot water demand during cooler months switch to Auto mode and revert back to Econ mode during the warmer months. Auto Mode works effectively throughout the year.

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INSTALLATION INSTRUCTIONS	The unit is equipped with two water temperature sensors, one each at the top and bottom half of the unit. The temperature shown in the display panel is the lower sensor reading. You may check the upper sensor reading by holding down the '+' button. <i>To change the water set temperature, hold down the 'mode' button until F11 appears on the display panel. Press the 'timer' button to display the current set temperature. Use the '+' button (to increase) or the '-' button (to decrease) to select a new temperature setting and press the 'timer' button again to save the new setting.</i> <i>You may choose any temperature between 90°F to 135°F.</i>
OPERATING INSTRUCTIONS	 DANGER: A hot water scald potential exists if the hot water temperature setting is set too high. Refer to the safety information section of this Use and Care Manual for additional scald prevention information. D. HEAT PUMP KICK-IN DIFFERENTIAL <i>What heat pump kick-in differential? How can I change the heat pump kick-in differential?</i>
MAINTENANCE	The heat pump kick in differential is the drop in water temperature (relative to water set temperature) required to start heat pump operation. As an example, if the water set temperature is 120°F and the kick-in differential is 20°F, heat pump will start operating when the lower water temperature sensor reading is 100°F or below. <i>To change the kick-in differential, hold down the 'mode' button until F11 appears on the display panel. Press the '-' button (F12 will appear on the display panel). Press the 'timer' button to display the current kick-in differential. Use the '+' button (to increase) or the '-' button (to decrease) to select a new kick-in differential setting and press the 'timer' button again to save the new setting.</i>
ALARMS AND ERROR CODE	<i>While you may set the kick-in differential to any value from 1°F to 54°F, a relatively higher differential (20°F to 25°F) is strongly recommended. Reduce the differential value if you find the unit is unable to meet hot water demands. A higher differential will prevent the unit from turning on frequently and save more energy.</i> E. FAN SETTINGS
FAQS	The unit has a dual speed fan which is set to high-speed by factory default. The fan setting can be changed to low-speed—this will reduce the airflow rate by approximately 20% and will consequently reduce the noise level. <i>To change the fan setting, hold down the 'mode' button until F11 appears on the display panel. Keep pressing the '-' button until F41 appears on the display panel. Press the 'timer' button to display the current fan setting. Use the '+' button (to increase) or the '-' button (to decrease) to select a fan setting and press the 'timer' button again to save the new setting. The factory default fan setting value is '1' (high speed). To operate the unit in the lower fan speed setting, set F41 to '0'.</i> <i>When should the lower fan setting be used?</i>
CONSUMER SUPPORT	If the unit is installed in an unconditioned space such as a garage or attic, high speed setting should be retained. Switch to the lower speed setting if the unit is installed in a conditioned space and you wish to reduce the noise level. Lower speed setting is also recommended if there is a negative pressure concern at the high speed setting.

OPERATING INSTRUCTIONS

F. DUCTING EXHAUST AIR

Can I duct the exhaust air from the unit? What are the benefits of ducting the exhaust air?

The unit has an exhaust air outlet that can be connected to a 6-inch duct. The cool exhaust air, a free by-product of heat pump operation, can be ducted to any part of the home. It can also be used to supplement home cooling, saving you additional energy on home cooling costs during summer months. You may vent the exhaust air out of the home during winter months.

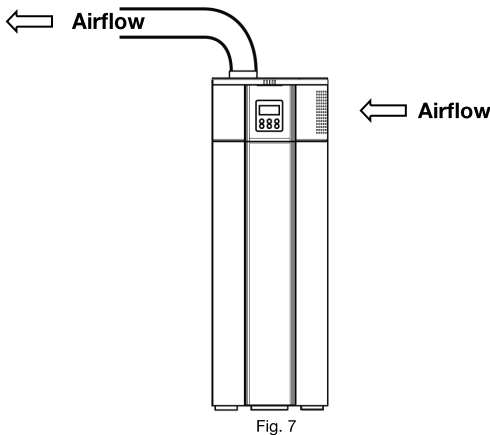
Ducting is strongly recommended if the install area is less than 1,000 cubic feet in volume or if the unit has low overhead clearance.

Airflow rates will be impacted by turns (elbows) and length at a significantly higher rate if the ducting is flexible and has a ridged surface. For duct lengths longer than 10 feet, rigid ducting with a smooth inner surface is recommended.

The total length of ducting for either the air exhaust or air intake shall not exceed the maximum of 25 feet. The total number of elbows for either the exhaust or air intake shall not exceed the maximum of three.

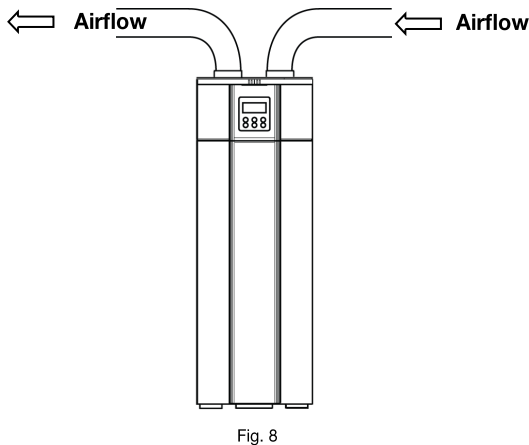
WARNING:

This unit intakes ambient air in proximity to the unit and exhausts air that is cooler than the ambient air. If the exhaust air is vented out of the install area by ducting the exhaust outlet, ensure that there is adequate air supply to the unit to avoid negative pressure. Negative pressure occurs when the unit exhausts more air out of the install area than air allowed into the install area. Extra caution is advised if a wood stove or combustion heater is located in the install area. Ensure that the unit does not back-draft smoke from the operation of a wood stove or combustion heater into the home.



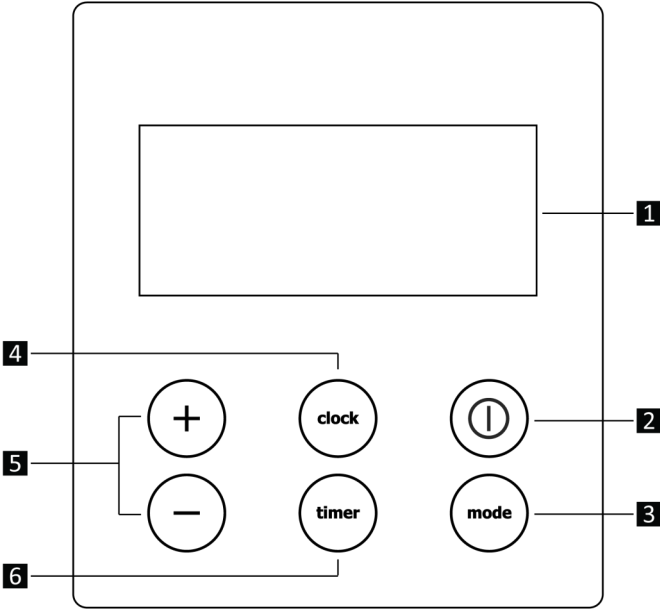
G. DUCTING INTAKE AIR

The Electrolux Hybrid water heater is also available in a dual vent version (models EE50WP35PS, EE66WP35PS). The dual vent version can be ducted for both exhaust and intake air.



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ALARMS AND ERROR CODE	1. DISPLAY 2. POWER (ON / OFF) 3. MODE: Use this button to choose any of the three operating modes in the unit ECON (Heat pump active) AUTO (Heat pump and Electric element active) HEATER (Electric element active) 4. CLOCK: Time can be set in 24 HH:MM format. To set the time, press the ‘clock’ button. The hour (HH) parameter should start flashing. Press ‘+’ or ‘-’ buttons to set the hour value. Press ‘clock’ button again. The minutes (MM) parameter should start flashing. Press ‘+’ or ‘-’ buttons to assign the minutes value. Press the ‘clock’ button a final time to complete the clock set-up process. 5. + / - Buttons: Use ‘+’ and ‘-’ buttons to navigate and change settings. <i>The ‘+’ and ‘-’ buttons can also be used to check temperatures. Press ‘+’ to check tank temperature (upper sensor) and ‘-’ to check evaporator coil temperature.</i> 6. TIMER: The timer function is active in ECON MODE ONLY. You may set up to three time periods (P1, P2 and P3) for the heat pump to operate. Each time period has a user assigned start time and stop time. The heat pump will be on during the assigned time periods only. Heat pump will turn off when water set temperature is reached, even if the unit is within an assigned time period (<i>water temperature controls override timer settings</i>). To assign or change time periods: A. Ensure that the clock is set to the right time B. Press ‘timer’ button. The start time (Hours) for P1 will start flashing – use ‘+’/‘-’ buttons to assign Hours for P1 start time. Press ‘timer’ button again to move to Minutes for P1 start time (EXAMPLE: If you want P1 to start at 7:15 am, select 07 using ‘+’/‘-’ buttons. Press ‘timer’ button and select 15 using ‘+’/‘-’ buttons). C. Press the ‘timer’ button to move to P1 end time and assign values as done in Step b. D. Press the ‘timer’ button to move to P2 (and P3) time settings – repeat Steps b and c.
FAQS	You may choose not to assign values to all time periods. In this case, please choose both start and stop times for that period as 00:00. IMPORTANT: To activate the heat pump in ECON MODE, it is necessary that at least one timer period is active.
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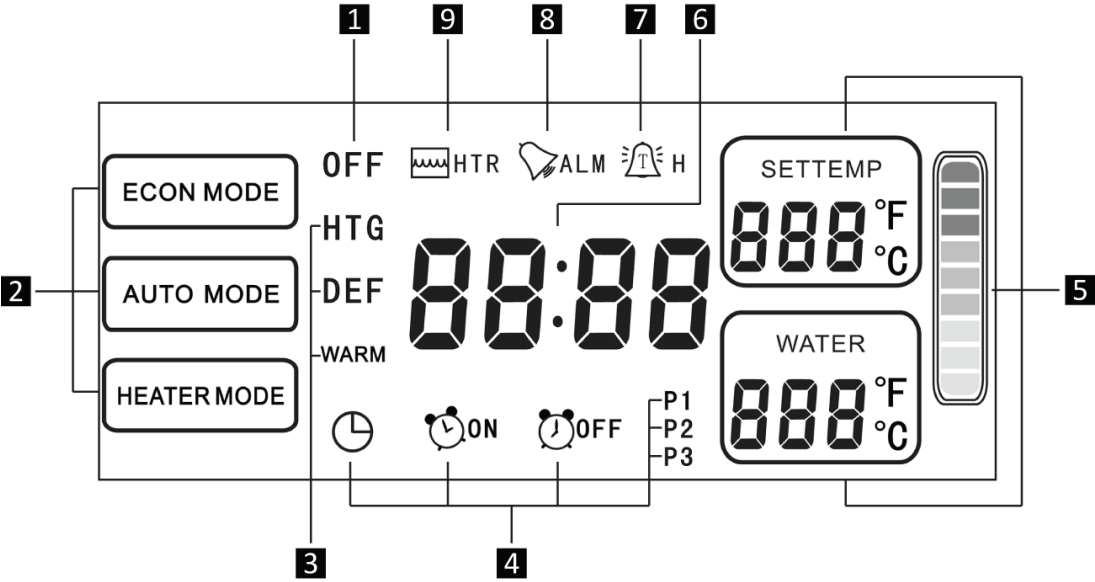


Fig. 10

I. DISPLAY PANEL

- UNIT OFF INDICATOR**
- ACTIVE MODE INDICATOR**
- HEAT PUMP STATUS INDICATOR**
HTG: Heat Pump On
DEF: Defrost Cycle On
WARM: Heat Pump Idle
- HEAT PUMP TIME INDICATOR:**
P1, P2, P3: Active Timer Period
- WATER TEMPERATURE INDICATORS:**
Set Temp: Water Temperature Setting
Water: Actual Water Temperature (Lower Sensor) Press '+' button for Water Temperature (Upper Sensor)
Water Temperature Gradient Indicator
- TIME:** (HH:MM)
- HIGH WATER TEMPERATURE INDICATOR:** (Temperature higher than 130°F)
- ERROR ALARM**
- PRIMARY ELECTRIC ELEMENT ACTIVE INDICATOR**

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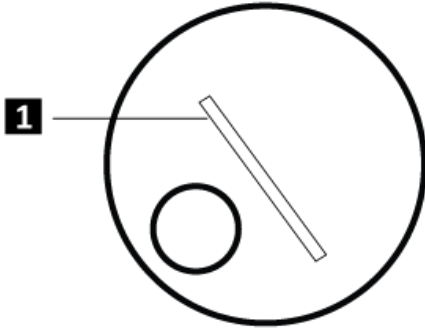
SAFETY INFORMATION	⚠ WARNING: RISK OF ELECTRIC SHOCK MAKE SURE THE UNIT IS COMPLETELY SHUT OFF AND DISCONNECTED FROM POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR SERVICE
INSTALLATION INSTRUCTIONS	A. T&P / RELIEF VALVE The relief valve is an important safety feature and must be checked at least once a year. You may lift the lever handle to release water from the unit and ensure that the valve is operating normally. ⚠ DANGER: <i>Since the relief valve may release hot water from the unit, the water must be released directly into a suitable drain. The relief valve must not be removed, plugged or obstructed under any circumstance. Since the water drained from the tank may be hot enough to present a scald hazard, make certain no one will be exposed to the hot water released by the valve.</i>
OPERATING INSTRUCTIONS	B. FILTER The air intake to the heat pump goes through a filter to safeguard the unit from dirt and dust. The filter can be vacuumed or wiped clean with a damp cloth or rinsed with warm water. It is recommended to check the filter and clean (if necessary) every 6 months. A clean air filter is required to get the highest efficiency. Please follow these steps to access and clean the filter:
MAINTENANCE	- Turn off power to the unit. - Locate the filter access cover on the top of the unit (please refer to figure 11). - Unscrew the filter access cover and remove it to access the filter handle. - Pull out the filter and clean or rinse the filter. - Slide the filter back into its slot after the filter has been cleaned and dried. - Screw the filter access cover to the top of the unit.
ALARMS AND ERROR CODE	
FAQS	1. Filter Access
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Fig. 11

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C. ANODE ROD

The unit contains a sacrificial anode rod to counter corrosion inside the tank. Anode rods deplete over time and must be inspected every two years. If more than half the anode material is found to be depleted, replace the anode rod. **A depleted anode rod will result in tank failure.** Inspection and replacement of anode rod must be carried out by Electrolux qualified service personnel due to the potential of shock hazard and to prevent accidental water leaks. Anode rod consumption and replacement are not covered by the manufacturer's limited warranty.

D. SEDIMENT BUILD-UP / DRAINING THE WATER HEATER

Sediment build-up is a common occurrence with all water heaters. Since sediment deposits in the tank of the unit can affect performance and compromise safety, it is recommended that the tank is drained periodically. Draining a few quarts of water every month and draining the unit completely every year is recommended.

CAUTION:

Power off the unit before draining the unit, even if you are only draining a few quarts of water. To drain the water heater, follow these steps:

1. **Attach a garden hose to the drain valve located at the bottom of the unit and direct that hose to a suitable drain. Remember—the water drained may be hot enough to present a scald hazard.**
2. **Turn off the cold water supply.**
3. **Open a hot faucet or two to admit air to the tank.**
4. **Open the drain valve with a flat head screwdriver.**

E. CONDENSATE DRAIN PIPING

The unit is equipped with two condensate water drains – a primary drain and an overflow drain. A monthly check is recommended to ensure that these drains are not blocked. Blockage at the primary condensate water will trigger an alarm and shut the heat pump off.

F. EXTENDED SHUTDOWN

If the water heater will not be used for an extended period of time, shut off the power and water supply to the unit. It is recommended that the unit and water piping be drained completely. Drainage is necessary if the unit is exposed to freezing temperatures. Ensure that the controls are checked by Electrolux qualified service personnel and the unit is completely filled with water before restarting the unit after an extended shutdown.

G. ERROR ALARMS

The unit is designed to sound an alarm if there is an error in the operation of the unit. The error code starts with 'A' and runs from numbers 1 through 8. If the unit sounds an alarm, note the Error code and power off the unit immediately. Contact Electrolux at 1-888-360-8557 and speak to technical support before attempting to re-start the unit.

H. MAINTENANCE SCHEDULE

Electrolux recommends the unit be inspected annually by Electrolux qualified service personnel to check electrical wiring, controls and heating elements.

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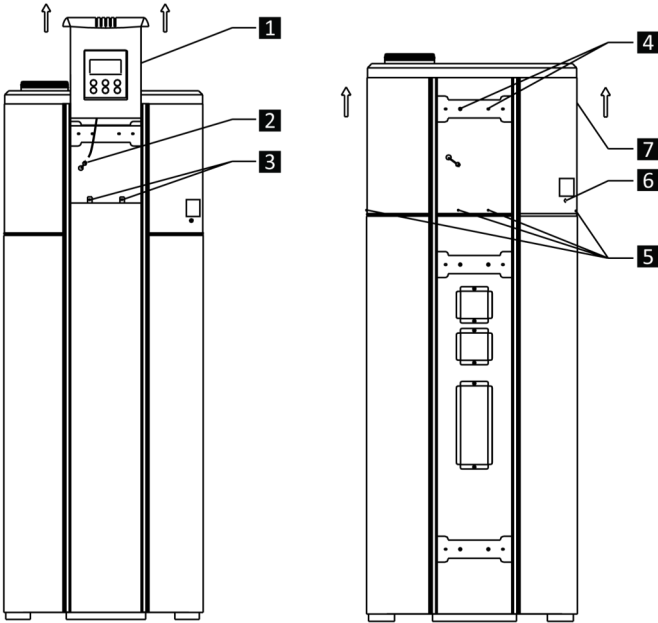
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SAFETY INFORMATION	I. ACCESS TO CRITICAL PARTS	
	Please follow the steps below to gain access to heat pump components (including filter), anode rod, temperature limiting reset button and electric heating elements (primary and back-up).	
		
	Fig. 12	
INSTALLATION INSTRUCTIONS		
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ALARMS AND ERROR CODE	⚠ WARNING: Make sure the unit is completely shut off and disconnected from electrical power before proceeding. - Slide the control panel upwards to expose control panel docking connector. - Remove connector and slide out the control panel completely. - Unfasten decorative panel screws (2 places) and remove front decorative panel. - Unfasten metal bracket screws (2 places). - Unfasten heat pump enclosure base screws (4 places). - Remove the external electrical wires by following these steps: - Remove the main wiring port access cover. - Separate the external wires from the unit's internal wires by removing wing nuts/butt splice connectors. - Unfasten outer cable ring and pull out the external electrical wires. - Remove heat pump enclosure by lifting up.	
FAQS		
CONSUMER SUPPORT	<i>If an exhaust/intake air vent is attached to the unit, ensure that the vent is temporarily removed before heat pump enclosure is taken off.</i>	

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J. EXPLODED VIEW

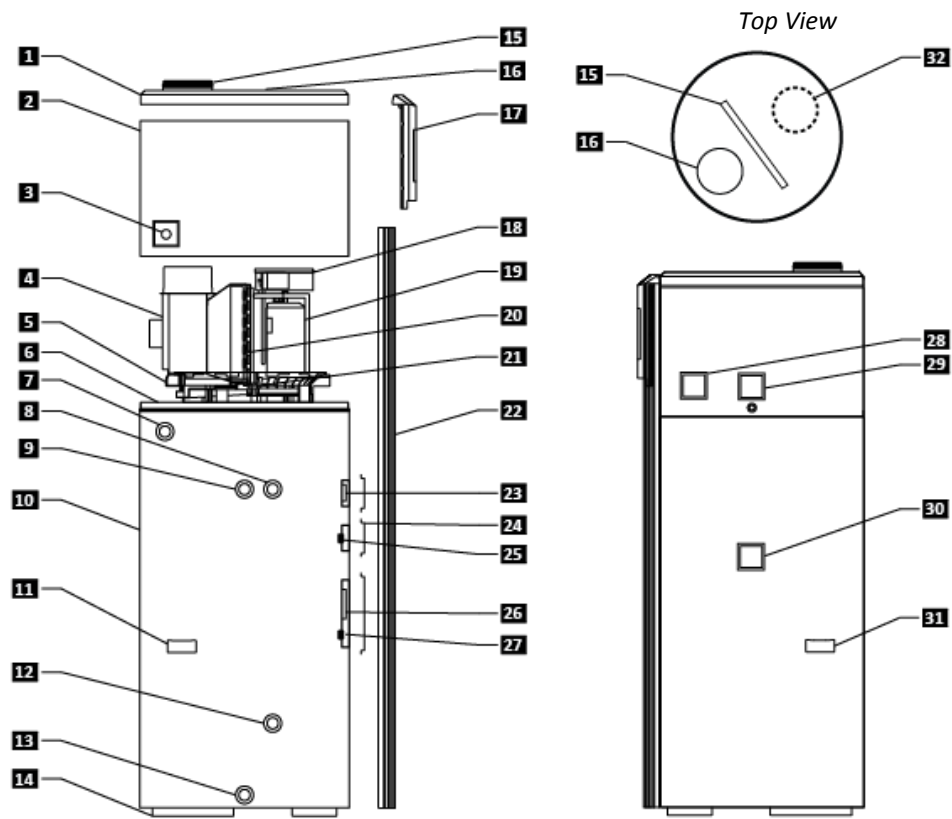


Fig. 13

- 1 Lid

2 Heat Pump Cover

3 Condensate Overflow Drain

4 Ventilation Fan

5 Host Chassis

6 Chassis Base

7 Primary Condensate Drain

8 Hot Water Outlet

9 T&P Relief Valve

10 Tank Cover

11 Hand Grip

12 Cold Water Inlet

13 Drain Valve

14 Supporting Frame

15 Filter Access Cover

16 Exhaust Outlet

17 Control Panel
- 18 Electric Box

19 Compressor

20 Evaporator

21 Anode Port

22 Front Panel

23 Temp Limiting Circuit Breaker
(EE66WP30PS & EE66WP35PS models only)

24 Protective Cover

25 Primary Electric Element

26 Back-Up Electric Element Thermostat

27 Back-Up Electric Element

28 Back-Up Heater Wiring Port

29 Main Wiring Port

30 Temp Limiting Circuit Breaker
(EE50WP30PS & EE50WP35PS models only)

31 Hand Grip

32 Air Inlet (Double Vent Version Only)

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ALARMS AND ERROR CODES

SAFETY INFORMATION	The unit will sound an alarm and display an error code in the event of a malfunction. If the unit is sounding an alarm, note the flashing error code and turn off the unit by pressing the Power ① button. Contact support at Electrolux at 1-888-360-8557 before attempting to turn on the unit. Error codes range from A0 to A8.			
	ERROR CODE	CAUSE	EVENTS	USER/SUPPORT GUIDELINES
INSTALLATION INSTRUCTIONS	A0	1. T1 sensor malfunction. 2. PCB malfunction of the T1 sensor function.	1. Audible & visual alarm triggered with flashing 'A0' error code. 2. AUTO mode: Primary heater will be deactivated but the heat pump will continue to operate. ECON mode: Heat pump will continue to operate. HEATER mode: Primary heater will be deactivated - unit will cease heating water.	T1 sensor controls primary heater operation. Press up or down arrow key to turn off audible alarm (visual alarm will continue flashing on the screen until the error is resolved). User may continue to operate the unit in ECON mode until the unit is serviced.
	A1	1. T2 sensor malfunction. 2. PCB malfunction of the T2 sensor function.	1. Audible & visual alarm triggered with flashing 'A1' error code. 2. AUTO mode: Heat pump will be deactivated but the primary heater will continue to operate. ECON mode: Heat pump will be deactivated - unit will cease heating water. HEATER mode: Primary heater will continue to operate.	T2 sensor controls heat pump operation. Press up or down arrow key to turn off audible alarm (visual alarm will continue flashing on the screen until the error is resolved). User may continue to operate the unit in HEATER mode until the unit is serviced.
OPERATING INSTRUCTIONS	A2	1. A2 sensor malfunction. 2. PCB malfunction of the A2 sensor function.	1. Audible & visual alarm triggered with flashing 'A2' error code. 2. AUTO mode: Primary heater and heat pump will continue to operate. ECON mode: Heat pump will continue to operate. HEATER mode: Primary heater will continue to operate.	A2 sensor detects evaporator temperature. Press up or down arrow key to turn off audible alarm (visual alarm will continue flashing on the screen until the error is resolved). User may continue to operate the unit in HEATER mode until the unit is serviced. HEATER mode will prevent further stress/damage to the unit.
	A3	1. A3 sensor malfunction. 2. PCB malfunction of the A3 sensor function.	1. Audible & visual alarm triggered with flashing 'A3' error code. 2. AUTO mode: Primary heater and heat pump will continue to operate. ECON mode: Heat pump will continue to operate. HEATER mode: Primary heater will continue to operate.	A3 sensor detects compressor exhaust temperature. Press up or down arrow key to turn off audible alarm (visual alarm will continue flashing on the screen until the error is resolved). User may continue to operate the unit in HEATER mode until the unit is serviced. HEATER mode will prevent further stress/damage to the unit.
MAINTENANCE	A4	1. A4 sensor malfunction 2. PCB malfunction of the A4 sensor function.	1. Audible & visual alarm triggered with flashing 'A4' error code. 2. AUTO mode: Primary heater and heat pump will continue to operate. ECON mode: Heat pump will continue to operate. HEATER mode: Primary heater will continue to operate.	A4 sensor detects ambient temperature. Press up or down arrow key to turn off audible alarm (visual alarm will continue flashing on the screen until the error is resolved). User may continue to operate the unit in HEATER mode until the unit is serviced. HEATER mode will prevent further stress/damage to the unit.
	A5	1. Low pressure sensor malfunction. 2. PCB malfunction of the low pressure sensor function. 3. Refrigerant leak.	1. Audible & visual alarm triggered with flashing 'A5' error code. 2. AUTO mode: Heat pump will be deactivated but the primary heater will continue to operate. ECON mode: Heat pump will be deactivated—unit will cease heating water. HEATER mode: Primary heater will continue to operate.	'A5' error is generated when refrigerant pressure in the unit drops below 0.2 MPa, typically caused by a refrigerant leak in the unit. Press up or down arrow key to turn off audible alarm (visual alarm will continue flashing on the screen until the error is resolved). User may continue to operate the unit in HEATER mode until the unit is serviced.
ALARMS AND ERROR CODE	A6	1. Primary heater element overheating.	1. Audible & visual alarm triggered with flashing 'A6' error code. 2. ALL MODES: Both heat pump & primary heater operation will be deactivated/switched off. Continued operation can only occur with use of the back-up heater.	'A6' error code is generated when the safety sensor built into the primary heater detects water temperature of 176°F or higher (note that TCO will disrupt power supply to the unit when TCO detects temperature of 185°F or higher. T&P Valve is triggered when water pressure/temperature exceeds 150psi/210°F). If overheating problem is confirmed, shut off power to the unit. User may operate water heater with back-up heater until the unit is serviced. Connecting the back-up heater is to be done by a certified Electrolux technician only.
	A7	1. Low pressure sensor malfunction. 2. PCB malfunction of the low pressure sensor function. 3. Lower heat transfer rate at the condenser coil. 4. Refrigerant leak.	1. Audible & visual alarm triggered with flashing 'A7' error code. 2. AUTO mode: Heat pump will be deactivated but the primary heater will continue to operate. ECON mode: Heat pump will be deactivated - unit will cease heating water. HEATER mode: Primary heater will continue to operate.	'A7' error code is generated when the compressor discharge temperature (A3) goes over F58 (default 230°F) setting. User may continue to operate the unit in HEATER mode until the unit is serviced.
FAQS	A8	1. Condensate drain blockage. 2. Condensate drain blockage sensor malfunction. 3. PCB malfunction of the condensate blockage sensor function.	1. Audible & visual alarm triggered with flashing 'A8' error code. 2. AUTO or ECON modes: heat pump will be deactivated / switched off and unit will automatically switch to HEATER mode. 3. Unit will auto-check every 48 hours for condensate blockage clearance. If blockage is cleared, unit will switch to AUTO mode.	'A8' error code is generated when condensate water is unable to flow out through the primary condensate drain. User may continue to operate the unit in HEATER mode until the unit is serviced.
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1. *I am running out of hot water. How can I increase hot water recovery?*

Increase the set temperature, make sure it is in Auto Mode, and change the heat pump kick-in differential to a lower value.

2. *How can I check if the heat pump is on?*

When the heat pump is running, the HTG icon will be lighted on the display panel.

3. *How can I check if the electric element is on?*

When the electric element is running, the HTR icon will be lighted on the display panel.

4. *What are the benefits of ducting the exhaust air? Can I duct the exhaust air to any part of the home? Is there a restriction on the duct length?*

The cool exhaust air from the unit can be ducted to supplement home cooling in warmer months. Please note that rigid ducting longer than 25 feet or flexible ducting longer than 10 feet or more than two 90-degree elbows in the ducting can slow down the airflow rate and affect unit performance.

5. *Can I duct intake air to the unit?*

Electrolux hybrid water heaters are also available in a Dual Vent version. This version has a vent adapter for air intake in addition to the vent adapter for exhaust air.

6. *I am concerned that the exhaust air will offset home heating during winter. How can I manage this?*

If the unit is installed in an unconditioned space such as a garage or attic, this is not a concern. If the unit is installed in a conditioned space, you may duct the exhaust air out of the house or to an unconditioned area in the house. If this is not possible, operate the fan at the lower speed setting (please refer to the Fan Settings section on page 12).

7. *Can the unit be transported lying down/horizontally?*

To avoid damage to the unit, do not transport the unit horizontally at any time.

8. *Will using a water softener affect unit operation?*

Using water softener is not expected to affect unit operation. Please note that extreme pH levels will void the lifetime warranty on the tank.

9. *Can the unit be used for radiant heating?*

The unit cannot be used for radiant heating. Use for radiant heating will void the warranties on the unit.

10. *Is it ok to use a re-circulating pump in conjunction with the unit?*

A recirculation pump maybe used with the water heater. The warranty will be unaffected if the following directions are followed:

- i. The recirculation pump must have a timer and/or temperature setting capability. Timer and temperature settings on the pump must be optimized to prevent excessive run time.
- ii. Unit must be set to auto mode.
- iii. Ensure that the water heater is not turning on and off more frequently as result of recirculation pump operation. This can be managed by setting the heat pump kick-in differential (F12) to at least 20°F.
- iv. Water lines are adequately insulated to minimize heat loss.

NOTE: The Electrolux Hybrid water heater has internal thermostats to control its operations. Do not attempt to bypass the water heater's internal sensors by attaching an external device/thermostat. Such an action will void the warranty on the unit.

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SAFETY INFORMATION	A. WARRANTY Electrolux Home Products, Inc. Limited Warranty Electric Hybrid Water Heaters
INSTALLATION INSTRUCTIONS	Pursuant to the terms and conditions set forth in this Limited Warranty (this “Warranty”), Electrolux Home Products, Inc. (“Electrolux”) hereby warrants to the original consumer purchaser, in the originally installed location, (the “Owner”) the enclosed electric hot water heater (the “Product”) to be free from any material defects in materials and workmanship. There are no express warranties other than those contained in this Warranty, and all representations or affirmations made by Electrolux or any other person were for illustrative purposes only. No agent, employee, or representative of Electrolux has any authority to bind Electrolux to any affirmation, representation, or warranty concerning the Product, and unless an affirmation, representation, or warranty made by an agent, employee, or representative is specifically included within this Warranty, it will not be enforceable by the Owner. Required Conditions - The Owner must provide proof of purchase and complete the Product Registration/Warranty Card (“Registration Card”) contained within the literature provided or register online by going to electroluxappliances.com or calling 1-888-360-8557. - The Product must be installed by an Electrolux Authorized Installer, in compliance with Electrolux published materials provided with the Product, and in accordance to all local plumbing, electrical, utility and/or housing codes. - The Owner must use the Product in compliance with instructions found in the Use & Care Manual which is included with the Product.
OPERATING INSTRUCTIONS	Limited Warranty Period This Warranty is extended by Electrolux to the Owner. This Warranty takes effect on the date of installation of the Product by the Electrolux Authorized Installer or 30 days after the date of purchase, whichever occurs first, and is effective until the specified anniversary of such date as follows:
MAINTENANCE	- Limited One-Year approved labor¹ and replacement of defective parts. - Limited additional Nine-Year replacement (years 2 through 10) of defective parts other than the tank – Labor not included. - Limited additional Fourteen-Year replacement (years 2 through 15) on the tank when the Product is used in a single family dwelling – Labor not included. ¹ Labor will be paid to an Authorized Electrolux Service Representative on approved warranty repairs. Exclusions Please refer to the Use & Care Manual supplied with your new Electrolux product. This Warranty becomes null and void if any of the following are determined to be contributing factors to failure of the Product under this Warranty.
ALARMS AND ERROR CODE	- Abuse, neglect, misuse or misapplication. - Improper, dangerous, or destructive maintenance procedures. - Damages caused by services performed by servicers other than Electrolux or its authorized servicers. - Use in conjunction with any unapproved device. - Installation in an environment that is corrosive or otherwise destructive to the product, whether internal or external. - Installation in violation of applicable state or local plumbing, electrical, utility or housing codes. - Failure is the result of improper electrical power supply to the water heater. Water heater requires a dedicated 240V/60Hz single phase outlet rated for a minimum of 30A.
FAQS	- Failure is the result of the tank not being completely filled with potable water that is free to circulate at all times. - Failure is the result of not checking or replacing the anode rod as recommended in the Use & Care Manual. The anode rod consumption and replacement are not covered by this Warranty. - Product with original serial numbers that have been removed or altered and cannot be readily determined. - Damage as a result of freezing within the unit or surrounding piping. - Damage as a result of use with non-potable water, untreated or poorly treated well water, or water with high pH levels or hardness levels in excess of 12 grains per gallon (200mg/L). - Service calls which do not involve malfunction or defects in workmanship or material. The consumer will pay for such service calls. - Failure is the result of using the hybrid water heater for radiant heating. - Acts of God including, but not limited to; fire, flood, or natural disaster.
CONSUMER SUPPORT	In the event of an Electrolux recognized defect, malfunction, or failure to conform with this Warranty and based upon Electrolux approval of warranty claim, Electrolux, at its sole and absolute discretion, will settle the warranty claim of such defect, malfunction, or failure to conform with this Warranty. In order to make a claim under this Warranty, the Owner must notify Electrolux or its authorized representative of the failure of the Product to conform to this Warranty.

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Under this Warranty, Electrolux will only provide replacement parts as described in the “Limited Warranty Period”. The Owner will be responsible for any other costs incurred including labor costs² for servicing the unit, shipping, delivery, and handling of the replacement part, costs for permits or materials necessary for the repair, or incidental costs resulting from damage external to the unit resulting from the failure.

NOTWITHSTANDING ANYTHING IN THIS WARRANTY TO THE CONTRARY, EXCEPT FOR ELECTROLUX’ AFFIRMATIVE OBLIGATIONS EXPRESSLY SET FORTH IN THIS WARRANTY, ELECTROLUX DISCLAIMS ANY AND ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, REGARDING THE PRODUCT AND ITS FUNCTIONALITY, PERFORMANCE, MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE OR INTELLECTUAL PROPERTY RIGHTS. ELECTROLUX DISCLAIMS ALL OTHER OBLIGATIONS OR LIABILITIES ON ITS PART AND NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR ELECTROLUX ANY OTHER LIABILITIES IN CONNECTION WITH THE PERFORMANCE OF THE PRODUCT. THIS WARRANTY ONLY COVERS REPLACEMENT PARTS AND DOES NOT COVER COST OF LABOR² OR SERVICES UNDER ANY CIRCUMSTANCES.

² Labor will be paid to an Authorized Electrolux Service Representative on approved warranty repairs within the first year of this Warranty.

This Warranty only applies to the 50 States of the U.S.A. Electrolux shall not be liable for any claim or demand against Electrolux by any other part for damages of any kind, including, but not limited to incidental and consequential damages, arising out of the subject matter of this Agreement. Some States do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights. You may also have other rights that vary from State to State.

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CONSUMER SUPPORT	SAFETY INFORMATION	<i>B. CUSTOMER SUPPORT</i> Please contact Electrolux at 1-888-360-8557 for any technical assistance or questions. Register your unit at: www.electroluxappliances.com Electrolux
	INSTALLATION INSTRUCTIONS	Electrolux Home Products, Inc. Charlotte, NC 28262 www.electroluxappliances.com
	OPERATING INSTRUCTIONS	
	MAINTENANCE	
	ALARMS AND ERROR CODE	
	FAQS	

NOTES

