ELECTRIC STORAGE WATER HEATER

Series EH, EV

WARMING YOUR HOME
Series

EH

Horizontal Models

Capacities:

68 l
15gals

Model: EH-68
Wattage: 3.0kW
Net Weight: 28 Kgs
Heating Time: 33 mins

Capacities:

82 l
18gals

Model: EH-82
Wattage: 3.0kW
Net Weight: 33 Kgs
Heating Time: 42 mins

Capacities:

100 l
22gals

Model: EH-100
Wattage: 3.0kW
Net Weight: 38 Kgs
Heating Time: 51 mins

Capacities:

123 l
27gals

Model: EH-123
Wattage: 3.0kW
Net Weight: 42 Kgs
Heating Time: 63 mins

Capacities:

150 l
33gals

Model: EH-150
Wattage: 3.0kW
Net Weight: 49 Kgs
Heating Time: 77 mins

Capacities:

200 l
44gals

Model: EH-200
Wattage: 3.0kW
Net Weight: 66 Kgs
Heating Time: 103 mins

Capacities:

45 l
10gals

Model: EH-45
Wattage: 3.0kW
Net Weight: 25 Kgs
Heating Time: 23 mins

Capacities:

55 l
12gals

Model: EH-55
Wattage: 3.0kW
Net Weight: 25 Kgs
Heating Time: 28 mins

Capacities:

14 l
3gals

Model: EH-14
Wattage: 2.0kW
Net Weight: 18 Kgs
Heating Time: 7 mins

Capacities:

23 l
5gals

Model: EH-23
Wattage: 3.0kW
Net Weight: 15 Kgs
Heating Time: 12 mins

Capacities:

32 l
7gals

Model: EH-32
Wattage: 3.0kW
Net Weight: 19 Kgs
Heating Time: 16 mins

* Heating time to heat up to approximately 50°C. Water ambient tempearture at 30°C.
Take A Closer Look at The Structure

Component Parts from Europe

1. Heating Element
   • Copper sheathed immersion type element for efficient heat transferring.
   • Comes with low watt density for higher performance and reliability.
   • “User-friendly” installation method.

2. Thermostat
   • Sense and monitor the temperature of water in the heater tank.
   • Easy to replace.

3. Thermal Cut-Off
   • Third safety device.
   • Act as a protection for heating element from dry burn when the tank is empty.
   • Fire hazard and scalding prevention.

4. Safety Pressure Relief Valve
   • To guard against excessive pressure build-up in the heater tank. Act as a non-return valve. (to prevent back flow of water in the heater tank)
   • Prevent explosion and serious injuries.

Structure Detail

5. Isolation Barrier
   • High quality ABS plastic, withstand heat.
   • Prevent from static and electrocution.

6. Inspection Cover
   • High quality ABS plastic.
   • Easier maintenance access.

7. Dual Pilot Lamp
   • Act as a indicator.
   • Green - Mains
   • Red - Heater

8. Outer Casing
   • Coated with anti-rust epoxy technology.
   • Heater tank protector.

9. Stainless Steel Inner Tank
   • Thick stainless steel (AISI 304L 2D)
   • Excellent anti-corrosive properties within atmosphere and water.
   • Tested with 18bars to ensure no risk of leakage.

10. Insulation Foam
    • Designed high density of polyurethane foam up to 2.5lbs/ft³.
    • Minimized the loss of heat to 0.001% per hour.
Installation Diagram

Horizontal Mounting

Vertical Mounting

Measurement Table

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Technical Table

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* Time taken to heat up to approximately 55°C. Inlet water temperature at 28°C.

Technical Specifications

- Electrical Loading: 3.0kW, 15AMP AC 240V / 50Hz
  2.0kW, 15AMP AC 240V / 50Hz (used for EH-14 & EV-14 only)
- Electric Cable: 2.5mm x 3 core x 105°C 300/500V
- Water Temperature Control: Thermostatically controlled cut-off at 60°C and cut-in at 40°C
- Thermal Cut-Out (Third safety): Safety Cut-Out at 98°C
- Working Pressure: Maximum: 8.0 bar (116 psi)
  Minimum: 0.5 bar (7.25 psi)
- Piping Connection: 15mm (1/2") dia. BSP
- Tested Pressure: 17.5 bar (250psi)
- Safety Valve: Pressure release at 8.0 bar (110psi = 5)
- Insulation Polyurethane Foam (CFC-Free): Thickness: 2" / 50mm
  Density: 40kg/m³
- Inner Tank: Stainless steel (AISI 304L, 2D Thickness 1.25mm)
  Thickness 1.5mm for EH-200 & EV-200
- Outer Casing: Electrostatic Epoxy technology

Manufactured by:
ELTON MFG (M) SDN. BHD. (1228451-X)
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Balakong Jaya 2 Tambahan,
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Tel: 603-8964 9918  Fax: 603-8964 9981
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Authorized Dealer: