

# ELTON™

## ELECTRIC STORAGE WATER HEATER



**5**  
YEARS  
WARRANTY  
ON  
TANK  
LEAKAGE

QUALITY  
\*\*\*  
SUS 304  
STAINLESS  
STEEL  
\*\*\*  
MATERIAL

### Series EH, EV

W A R M I N G   Y O U R   H O M E



## Series

# EH

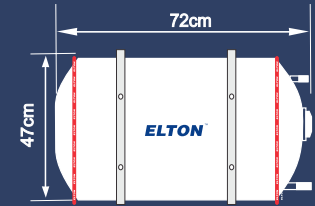
## Horizontal Models



Capacities:

**68ℓ**  
15gals

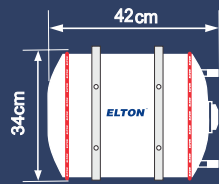
Model: EH-68  
Wattage: 3.0KW  
Net Weight: 28 Kgs  
Heating Time: 33 mins



Capacities:

**14ℓ**  
3gals

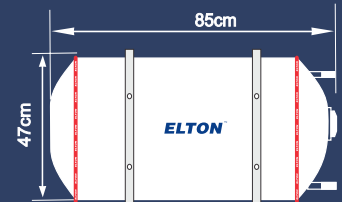
Model: EH-14  
Wattage: 2.0KW  
Net Weight: 13 Kgs  
Heating Time: 7 mins



Capacities:

**82ℓ**  
18gals

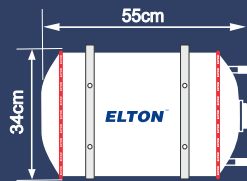
Model: EH-82  
Wattage: 3.0KW  
Net Weight: 33 Kgs  
Heating Time: 42 mins



Capacities:

**23ℓ**  
5gals

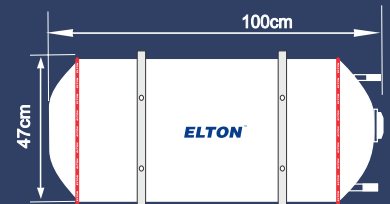
Model: EH-23  
Wattage: 3.0KW  
Net Weight: 15 Kgs  
Heating Time: 12 mins



Capacities:

**100ℓ**  
22gals

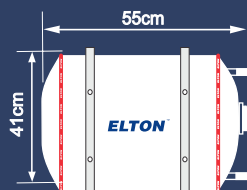
Model: EH-100  
Wattage: 3.0KW  
Net Weight: 38 Kgs  
Heating Time: 51 mins



Capacities:

**32ℓ**  
7gals

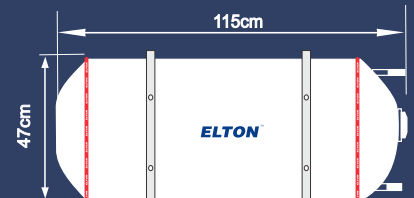
Model: EH-32  
Wattage: 3.0KW  
Net Weight: 19 Kgs  
Heating Time: 16 mins



Capacities:

**123ℓ**  
27gals

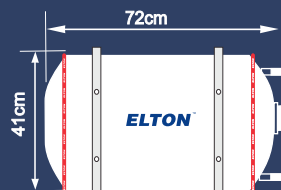
Model: EH-123  
Wattage: 3.0KW  
Net Weight: 42 Kgs  
Heating Time: 63 mins



Capacities:

**45ℓ**  
10gals

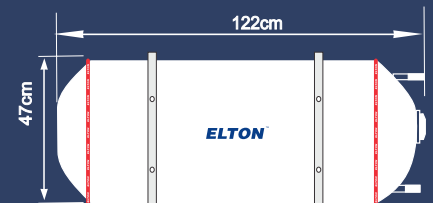
Model: EH-45  
Wattage: 3.0KW  
Net Weight: 23 Kgs  
Heating Time: 23 mins



Capacities:

**150ℓ**  
33gals

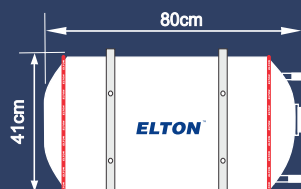
Model: EH-150  
Wattage: 3.0KW  
Net Weight: 45 Kgs  
Heating Time: 77 mins



Capacities:

**55ℓ**  
12gals

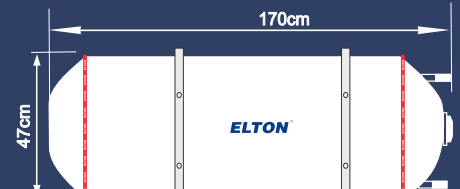
Model: EH-55  
Wattage: 3.0KW  
Net Weight: 25 Kgs  
Heating Time: 28 mins



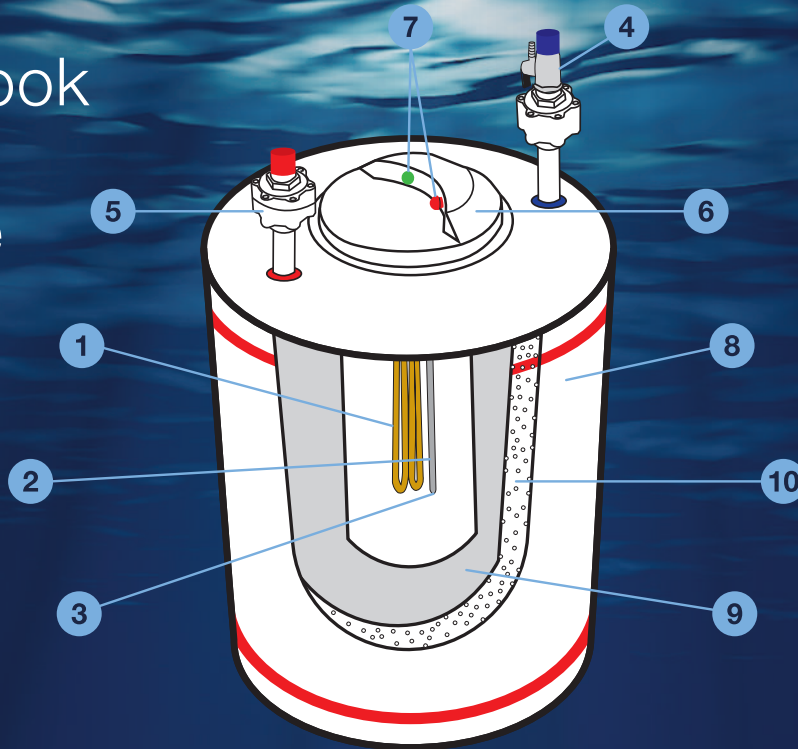
Capacities:

**200ℓ**  
44gals

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



# 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 2.5lb/ft<sup>3</sup>.
- Minimized the loss of heat to 0.001% per hour.

Series

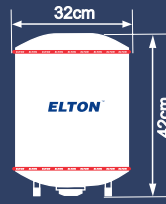
EV

Vertical Models



Capacities:

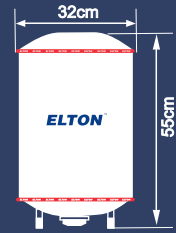
14ℓ  
3gals



Model: EV-14  
Wattage: 2.0KW  
Net Weight: 10 Kgs  
Heating Time: 6 mins

Capacities:

23ℓ  
5gals



Model: EV-23  
Wattage: 3.0KW  
Net Weight: 12 Kgs  
Heating Time: 11 mins

Capacities:

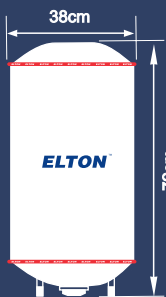
32ℓ  
7gals



Model: EV-32  
Wattage: 3.0KW  
Net Weight: 15 Kgs  
Heating Time: 15 mins

Capacities:

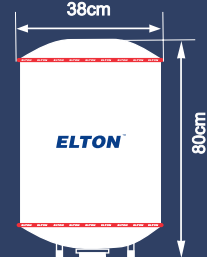
45ℓ  
10gals



Model: EV-45  
Wattage: 3.0KW  
Net Weight: 19 Kgs  
Heating Time: 20 mins

Capacities:

55ℓ  
12gals



Model: EV-55  
Wattage: 3.0KW  
Net Weight: 21 Kgs  
Heating Time: 26 mins

Capacities:

68ℓ  
15gals



Model: EV-68  
Wattage: 3.0KW  
Net Weight: 23 Kgs  
Heating Time: 31 mins

Capacities:

82ℓ  
18gals



Model: EV-82  
Wattage: 3.0KW  
Net Weight: 28 Kgs  
Heating Time: 40 mins

Capacities:

100ℓ  
22gals



Model: EV-100  
Wattage: 3.0KW  
Net Weight: 33 Kgs  
Heating Time: 50 mins

Capacities:

123ℓ  
27gals



Model: EV-123  
Wattage: 3.0KW  
Net Weight: 37 Kgs  
Heating Time: 61 mins

Capacities:

150ℓ  
33gals



Model: EV-150  
Wattage: 3.0KW  
Net Weight: 40 Kgs  
Heating Time: 75 mins

Capacities:

200ℓ  
44gals

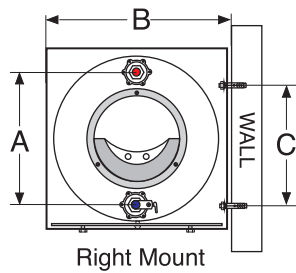
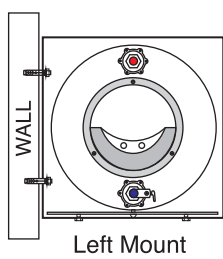
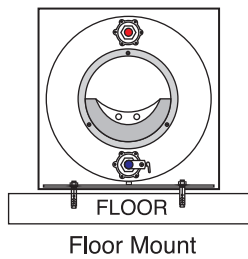
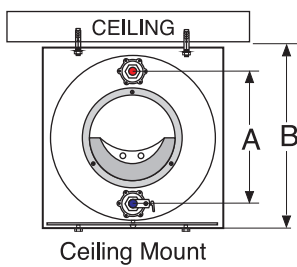
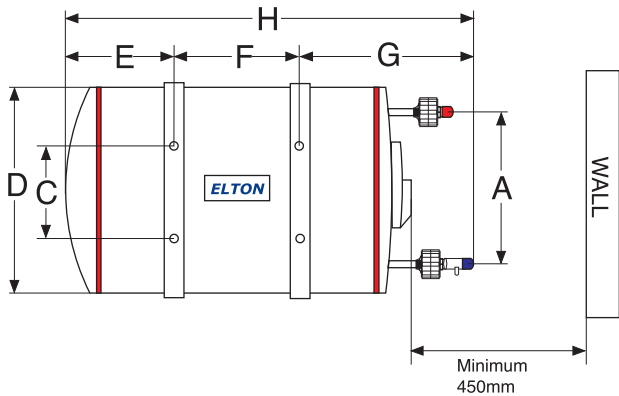


Model: EV-200  
Wattage: 3.0KW  
Net Weight: 61 Kgs  
Heating Time: 100 mins

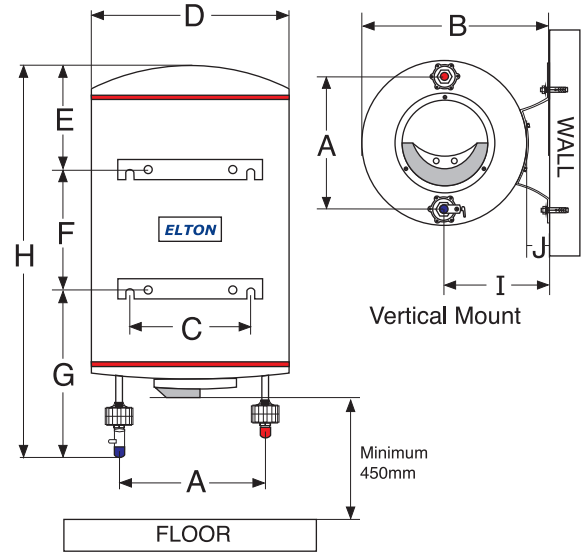
\* Heating time to heat up to approximately 50°C. Water ambient temperature at 30°C.

# Installation Diagram

## Horizontal Mounting



## Vertical Mounting

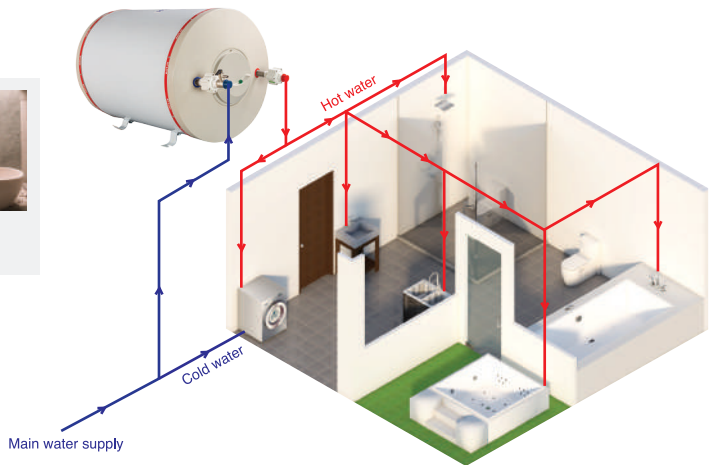
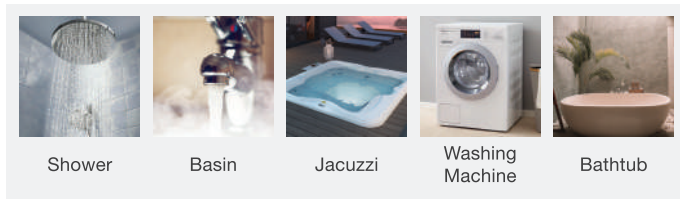


## Measurement Table

Model	Capacity		Dimension (mm)									
	Litre	Gallon	A	B	C	D	E	F	G	H	I	J
EH-14	14	3	240	340	240	320	100	135	260	495	-	-
EH-23	23	5	240	340	240	320	125	175	315	615	-	-
EH-32	32	7	265	410	240	380	140	175	315	630	-	-
EH-45	45	10	265	410	240	380	140	315	315	770	-	-
EH-55	55	12	265	410	240	380	115	408	315	838	-	-
EH-68	68	15	285	470	240	450	140	315	320	775	-	-
EH-82	82	18	285	470	240	450	210	415	330	955	-	-
EH-100	100	22	285	470	240	450	185	560	315	1060	-	-
EH-123	123	27	285	470	240	450	255	590	375	1220	-	-
EH-150	150	33	285	470	240	450	240	755	315	1310	-	-
EH-200	200	44	285	470	240	450	305	950	475	1730	-	-
EV-14	14	3	240	355	226	320	100	135	260	495	195	35
EV-23	23	5	240	355	226	320	125	175	315	615	195	35
EV-32	32	7	265	415	226	380	140	175	315	630	225	35
EV-45	45	10	265	415	226	380	140	315	315	770	225	35
EV-55	55	12	265	415	226	380	115	408	315	838	260	35
EV-68	68	15	285	485	226	450	140	315	320	775	260	35
EV-82	82	18	285	485	226	450	210	415	330	955	260	35
EV-100	100	22	285	485	226	450	185	560	315	1060	260	35
EV-123	123	27	285	485	226	450	255	590	375	1220	260	35
EV-150	150	33	285	485	226	450	240	755	315	1310	260	35
EV-200	200	44	285	485	226	450	305	950	475	1730	260	35



# Recommend for



## Technical Table

CAPACITY		WEIGHT (kg)				TIME TAKEN TO HEAT (MIN)*	DIMENSION (mm)				USE FOR*			
		EH		EV			EH		EV					
GALS.	LTRS.	EMPTY	FILLED	EMPTY	FILLED		DIA.	LENGTH	DIA.	HEIGHT	SINK	SHOWER	BATHTUB	JACUZZI
3	14	13	27	10	24	11	340	420	320	420	✓	X	X	X
5	23	15	38	12	35	13	340	550	320	550	✓	✓	X	X
7	32	19	51	15	47	18	410	550	380	550	✓	✓	X	X
10	45	23	68	19	64	25	410	720	380	720	✓	✓	X	X
12	55	25	80	21	76	31	410	800	380	800	✓	✓	✓	X
15	68	28	96	23	91	38	470	720	450	720	✓	✓	✓	✓
18	82	33	115	28	110	46	470	850	450	850	✓	✓	✓	✓
22	100	38	138	33	133	55	470	1000	450	1000	✓	✓	✓	✓
27	123	42	165	37	160	69	470	1150	450	1150	✓	✓	✓	✓
33	150	45	195	40	190	84	470	1220	450	1220	✓	✓	✓	✓
44	200	66	266	61	261	110	470	1700	450	1700	✓	✓	✓	✓

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

\*(✓) Recommended (X) Not Recommended

## 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 99°C
Working Pressure	: Maximum : 8.0 bar (116 psi) Minimum : 0.5 bar (7.25 psi)
Piping Connection	: 15mm (½") 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)  
1 & 3, Jalan Perindustrian BJ2T 2/2,  
Balakong Jaya 2 Tambahan,  
43300 Seri Kembangan, Selangor Darul Ehsan.  
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Email: general.eltonmfg17@gmail.com

Authorized Dealer: