

JOVEN®

since 1983

Bringing Innovation Home™



Love the Earth Lower your energy use with the new JOVEN GREEN WATER HEATER



- >> Innovative green technology saves energy, saves money
- >> Being recognized by BCA Green Mark Scheme under 'Energy Efficient' and 'Innovation' categories
- >> 5 years leakproof warranty



Tested and Verified By
TÜV SÜD PSB Singapore

20% ENERGY SAVER

Innovative Green Technology

The Joven electric storage water heater features Heat Elevator Technology - the world's first innovation that uses a magnetic device to accelerate convective heat transfer of fluids. The result is faster water-heating time, which not only improves energy efficiency by up to 20% but also ensures a more constant and uninterrupted flow of hot water. Its energy efficiency is recognised by leading certification bodies in Singapore. Best of all, the energy you save means you enjoy lower electricity bills while contributing to a cleaner, greener environment for you and your family!



What Is Heat Elevator™ (HE)

Heat Elevator™ is the world's first innovation that uses patent pending magnetic technology to accelerate the convective heat transfer in fluids and to improve heat stratification. The magnetic device is uniquely designed to weaken the bonding strength in fluids as such that the heating efficiency is improved through accelerated movement of the fluid's molecules.

* Note: Results varies and are based on 15L to 91L water storage tank sizes. Test procedures are adopted from the "First-Hour rating" test as described in DOE 10 CFR Part 430 guidelines (USA).

Benefits

- Saves electricity consumption by up to 20%¹.
- Improves energy efficiency in convective heating devices by up to 20%.*
- Accelerates convective heat transfer of fluids and heat stratification.
- Weakens the inter-molecular bonding energy in fluids, there by increases the movement speed of fluid molecules.

Features

- Stainless steel inner tank
- Slim horizontal tank with epoxy powder coated paint on outer metal tank
- 5 years inner tank leak proof warranty
- Triple safety devices
 - Safety pressure relief valve
 - Thermostat cut-out
 - Thermal fuse
- Heat Elevator™ technology

Test Results (as certified by TUV SUD PSB PTE LTD)



Tank size	38L	56L	68L	91L
Energy Efficiency Improvement	9%	27%	15%	17%

Note:

Test results are courtesy from TUV SUD PSB PTE LTD.

1. Test method is adopted from USA test guidelines (DOE 10 CFR Part 430) as specified by Singapore Standard (SS 530 : 2006)

2. Incoming water @ 14.4 deg.C; supply pressure @ 2.75 bar; flowrate @ 11.4 Ltr/min

3. Test results for 15L & 25L available soon.

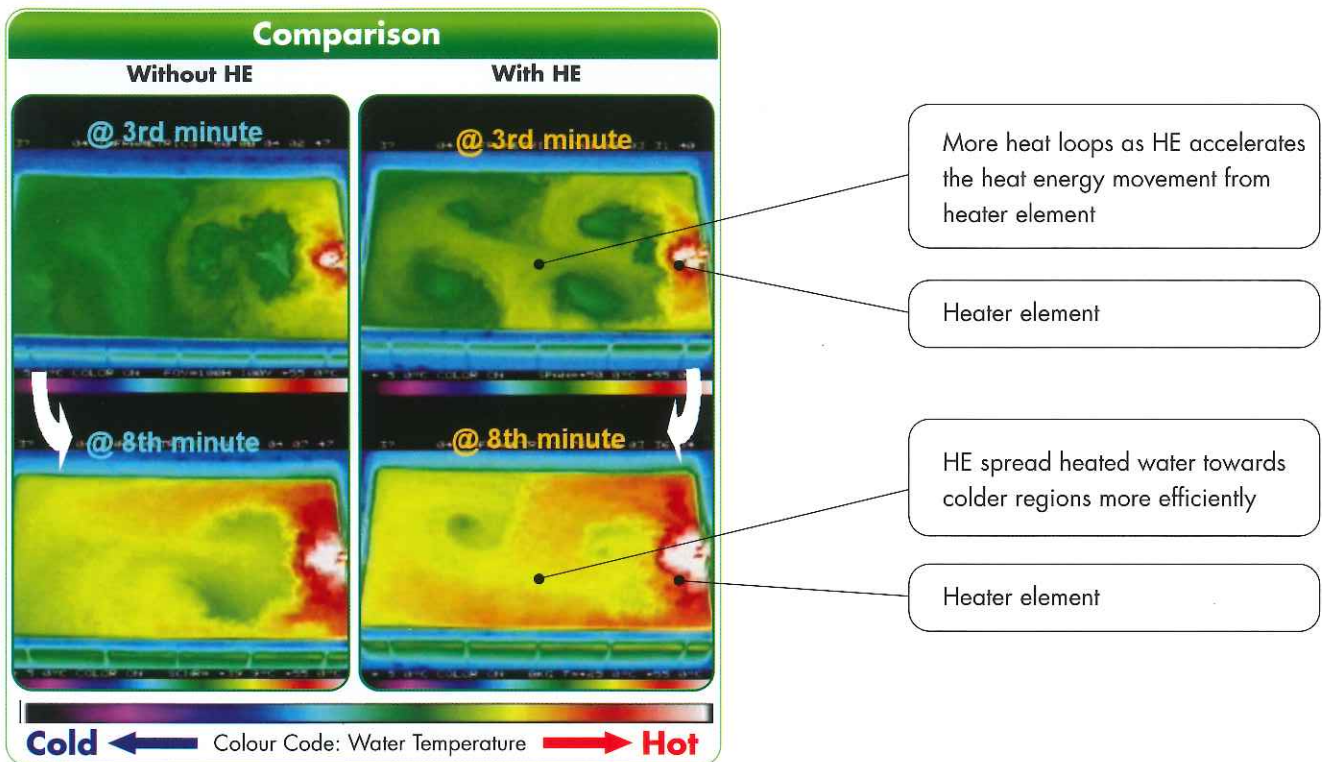


How Does The Heat Elevator[™] (HE) Works

The comparative photos below are thermal infrared images taken on a 150 litres open tank surface. It shows the effect of the Heat Elevator[™] during water heating after 3 minutes and 8 minutes of heating respectively.

At the 3rd minute, the heater with HE installed have more heat loops. The convective heat energy movement is accelerated faster than before.

At the 8th minute, the heated water is spread wider across the tank with the HE installed. There is less heat trapped at heater element thereby prolonging heater element operating life.



Higher Water Heating Efficiency And More Hot Water

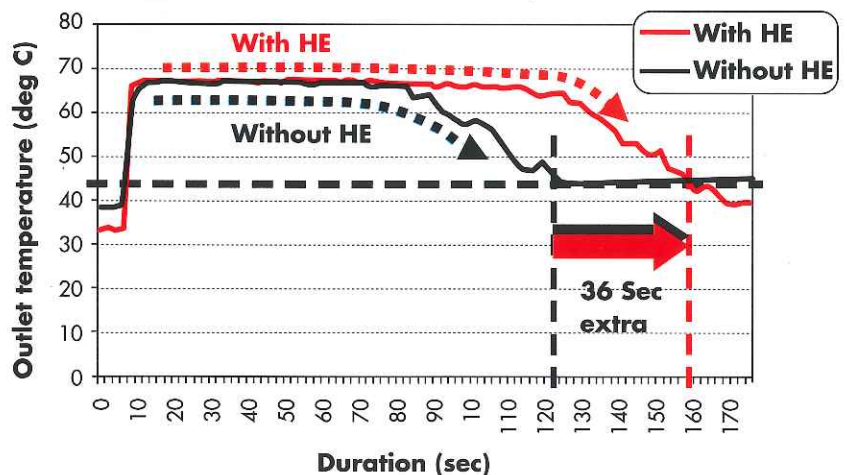
Hot water discharge →



Test parameter:

Inlet water temperature = 14.4oC
 Incoming pressure = 2.75 bar
 Flowrate = 11.4 litre/min
 (See note 1)

50L hot water draw out comparison



Excellent Life Expectancy

Finest quality raw materials are used to attain superb standards. We use rust-free stainless steel heater tank to ensure clean hot water and excellent durability. Our confidence is reflected by our 5 years leak proof warranty.



Model	Tank Capacity in Litres (Imp.Gals)	Dimensions (mm) L X W X H
JH15	15 (3.3 Imp. Gals)	327 x 381 x 405
JH25	25 (5.5 Imp. Gals)	457 x 381 x 405
JH35	35 (7.7 Imp. Gals)	576 x 381 x 405
JH50	50 (11.0 Imp. Gals)	745 x 381 x 405
JH68	68 (15.0 Imp. Gals)	955 x 381 x 405
JH91	91 (20.0 Imp. Gals)	1221 x 381 x 405

Specifications

Water Temperature Control	Thermostatically Controlled at 70 C, cut-in at Approx 52 C
Heater Electrical Rating	3.0KW 230V or 1.5KW 230V
Thermal Cut-off / Thermal Fuse	Safety Cut-Out at Approx. 95 C / Fuse protection against insufficient water in the tank.
Inner Cylinder Tank Material	Stainless Steel (Grade 304, Thickness 1.20mm)
Working Pressure	Min: 0.12bars (1.8p.s.i.) Max: 8.5bars (128p.s.i.)
Test Pressure	20.0bars (300p.s.i.)
Outer Casing Material	Electro-galvanised Mild Steel Epoxy powder coated paint
Cylinder Insulation	CFC-Free Polyurethane Foam Insulation
Water Connection	15mm Diameter ½" BSP

Sole Distributor:

JOVEN MARKETING SDN. BHD. (356796-V)

Lot 2829, Jalan Sungai Kelkati 32/148, Seksyen 32, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel: +603 5162 6633 Hunting Line (After-Sales Service) Fax: +603 5162 3636 Email: jovenmkt@joven.com.my

Branches:

- **PENANG/KEDAH/PERLIS** + 604 332 3018 • **IPOH** +605 545 0302, +605 545 0289 • **MELAKA** + 606-282 6088
- **JOHOR BAHRU** +607 352 1060 • **KUANTAN/TERENGGANU** 09 560 4760 • **KELANTAN/PAHANG** +609 747 9978
- **SARAWAK** +6082 345 158 • **SABAH** +6088 429 337, +6088 439 336

Manufactured by:

JOVEN ELECTRIC CO. SDN. BHD. (107915-U)

www.joven-electric.com

* Pictures are for illustration purpose only. Model outlook and specification may change in the future without prior notice.

Authorised Dealer