



# CVC CERTIFICATION & TESTING CO., LTD.

No. 3,Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, 510663, P. R. China  
Tel.: +86-20-32293888 Fax: +86-20-32293889 E-mail: [office@cvc.org.cn](mailto:office@cvc.org.cn) [www.cvc.org.cn](http://www.cvc.org.cn)

## GULF-TYPE EXAMINATION CERTIFICATE

**Certificate No.** 2017GTC8516046512-M4A1(R2)  
**Date of Issue** 2023-09-06  
**Date of Revision** N/A  
**Date of Expiry** 2026-09-12

**Applicant** A.O.SMITH(CHINA) WATER HEATER COMPANY LTD.  
 336 Yaoxin Avenue, NETDZ, Nanjing, P.R.China P.C:210038

**Manufacturer** State Industries, LLC  
 500 Tennessee Waltz Parkway, Ashland City, Tennessee 37015, U.S.A

**Manufacturing Location** A.O.SMITH(CHINA) WATER HEATER COMPANY LTD.  
 336 Yaoxin Avenue, NETDZ, Nanjing, P.R.China P.C:210038

**Country of Origin** China

**Product Name** Storage Water Heater

**Trade Mark** STATE

**Model No.** SEH 100 EC, SEV 100 EC, SEH 80 EC, SEV 80 EC, SEH 50 EC, SEV 50 EC

**File Reference No.** 2023G8516520612

**Standards Applied** IEC 60335-1:2020, IEC 60335-2-21:2022, GSO 1858:2008  
 CISPR 14-1:2020, CISPR 14-2:2020,  
 IEC 61000-3-2:2018+AMD1:2020, IEC 61000-3-3:2013+AMD1:2017+AMD2:2021

**GSO Countries Considered** United Arab Emirates (U.A.E), Kingdom of Bahrain, Kingdom of Saudi Arabia (K.S.A), Sultanate of Oman,  
 State of Qatar, State of Kuwait, Republic of Yemen

### Conclusion

The tested sample meets the requirements of the above mentioned standards and hence fulfils the requirements of *Gulf Technical Regulation for Low Voltage Electrical Equipment and Appliances(BD-142004-01)-Annex (4)& Annex (1)*. The results only relate to the items tested.

This certificate is only valid for the product and configuration described, in conjunction with the test data detailed in the related test reports and photos attached on the following pages.

In case of an amendment of the applicable standards, requirements and modification of the products, the Applicant/Manufacturer shall apply for updating of the certificate accordingly to maintain the validity of the certificate.



**Certificate Issuer:** Deng Junyong

**Signature:**

**Official Stamp:**



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### Product Specifications:

#### Electrical Ratings

SEH 100 EC, SEV 100 EC: 90 LITERS 220V-240V~ 50-60Hz 1500-1800W IPX4  
 SEH 80 EC, SEV 80 EC: 70 LITERS 220V-240V~ 50-60Hz 1200-1450W IPX4  
 SEH 50 EC, SEV 50 EC: 45 LITERS 220V-240V~ 50-60Hz 1200-1450W IPX4

#### Product Dimensions

SEH 100 EC SEV 100 EC:  $\Phi 425 \times 945$ mm; SEH 80 EC, SEV 80 EC:  $\Phi 425 \times 780$ mm;  
 SEH 50 EC, SEV 50 EC:  $\Phi 425 \times 540$ mm

#### Test Report No.

GT0012020-0010-S, GT0012020-0010-E, GT0012020-0010-M1-E, GT0012020-0010-M2-S

#### Report Issue Date

2020-08-28, 2022-04-14, 2023-08-28

#### Differences Descriptions of the Models (if any)



These models are different on appearance, product dimensions, capacity and rated power input.  
 SEH series are Horizontal, SEV series are Vertical.

#### Remark

This certificate is a renewal to certificate 2017GTC8516046512-M3A1(R1), which was originally issued on 2017-09-12.

- Validity of the certificate is extended.
- The safety standards are updated from IEC 60335-1:2010+AMD1:2013+AMD2:2016, IEC 60335-2-21:2012+AMD1:2018 to IEC 60335-1:2020, IEC 60335-2-21:2022.

### Product Photos:

G-Mark on the Product	GCTS on the Packaging
	



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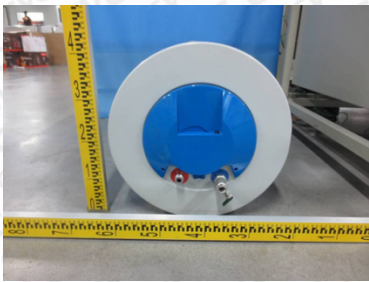
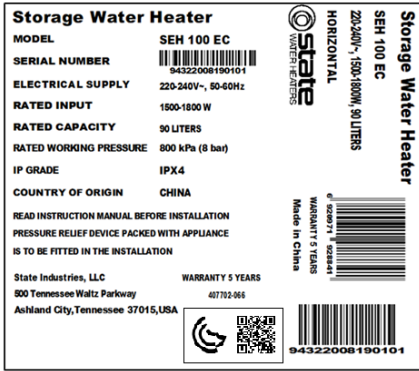
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### Product Photos:

<p><b>Front View for Model Representative Model SEH 100 EC</b></p> 	<p><b>Back View for Representative Model SEH 100 EC</b></p> 
<p><b>Side View for Representative Model SEH 100 EC</b></p> 	<p><b>Product Label for Model Representative Model SEH 100 EC</b></p> 



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### More Details

Model	Size(mm)	Capacity	Power	Installation direction
SEH 100 EC SEV 100 EC	Φ425×945	90 LITERS	1500-1800W	SEH Series: horizontal SEV Series: vertical
SEH 80 EC SEV 80 EC	Φ425×780	70 LITERS	1200-1450W	
SEH 50 EC SEV 50 EC	Φ425×540	45 LITERS		



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