

# GULF TYPE EXAMINATION CERTIFICATE

for Low Voltage Electrical Equipment and Appliances in list (2)  
of Gulf Technical Regulation BD-142004-01

**Certificate No.** GC-10390-A1-UL

**Page** 1/5

**Date of Issue** 2020-07-17 | **Date of Expiry** 2022-12-12

**Manufacturer  
(Name and Address)**  
A. O. Smith Corporation  
1100 E. Fairview Avenue  
Johnson City, TN 37601, USA

**Product Type** Residential Electric Storage Water Heaters

**Model No.** Series EJC, EJCS, EJCT, ECL, ECJ, ECRT, ECS, ECT, ECJN, ECLN. All models maybe followed by alpha-numeric characters XXX (ex. 290).  
☒ Additional models on pages 2-3

**Brand/Trademark** A.O. Smith

**Product Description** Residential Electric Storage Water Heaters

**Manufacturing Location(s)** A. O. Smith Corporation  
☒ Additional locations on page 4  
1100 E. Fairview Avenue, Johnson City, TN 37601 USA

**This Product Complies  
with the Standard(s)**

<i>International standard</i>	<i>GSO adoption</i>
IEC 60335-1:2010+A1:2013+A2:2016 (Ed. 5.2)	GSO IEC 60335-1
IEC 60335-2-21:2012 + A1:2018 (Ed. 6.1)	GSO IEC 60335-2-21
\\	GSO 1858:2008
CISPR 14-1:2016 (Ed. 6)	GSO CISPR 14-1
IEC 61000-3-2:2018 (Ed. 5.0)	GSO IEC 61000-3-2
IEC 61000-3-3:2013 + A1:2017 (Ed. 3.1)	GSO IEC 61000-3-3

**Technical documentation and test  
reports examined:**

All technical documentation and test reports (Safety and EMC) evaluated are recorded in the Evaluation Report No: 4789248821 issued on 2019-12-06; and Amendment Evaluation Report No: 4789435635 issued on 2020-07-10.

**Member States conditions and  
differences complied:**

Kingdom of Bahrain, Kingdom of Saudi Arabia, State of Kuwait, United Arab Emirates, Sultanate of Oman, State of Qatar, Republic of Yemen

**GSO Conformity Tracking  
Symbol of the Certificate:**



*Jan Erik Storgaard*

**Certification Manager**

Jan-Erik Storgaard

**Notified Body 0021**

UL International Demko A/S, Borupvang 5A,  
DK-2750 Ballerup, Denmark,  
Tel. +45 44 85 65 65 | [info.dk@ul.com](mailto:info.dk@ul.com) | [www.ul-europe.com](http://www.ul-europe.com)

This is to certify that the product(s) described herein has been investigated and found in compliance with the Standard(s) indicated on this Certificate and is presumed to be in conformity with the essential requirements of Gulf Technical Regulation for Low Voltage Electrical Equipment and Appliances BD-142004-01, following the Annex (4). This certificate applies only to the product(s) submitted by the Manufacturer. UL has not performed any surveillance. The Manufacturer is solely and fully responsible for the conformity of the production units with the type examined and approved. This document may not be reproduced, in whole or in part, without UL's prior written approval. The Manufacturer shall inform UL of any modifications made to the examined product and/or its technical documentation.



# GULF TYPE EXAMINATION CERTIFICATE

Certificate No. GC-10390-A1-UL

Page 2/5

Date of Issue 2020-07-17 | Date of Expiry 2022-12-12

**Model(s) and Technical Data:** All models maybe followed by alpha-numeric characters XXX (ex. 290).

Model	Rated Voltage, Frequency and Power	Overall Dimensions W x H x D (cm)
EJC-6 XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.5kw	36.2 x 39.1 x 36.2
EJC-10 XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.5kw	40.6 x 46.4 x 40.6
EJCS-20 XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	45.7 x 63.5 x 45.7
EJCS-20-030 XXX	220-240V, 50/60HZ, 3kw,	45.7 x 63.5 x 45.7
EJCT-20 XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.5kw	40.6 x 80.3 x 40.6
ECL-30X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	56 x 78.8 x 56
ECL-30X XXX	400-415V, 50/60HZ, 4.5kw	56 x 78.8 x 56
ECJ-30X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	56 x 76.2 x 56
ECJ-30X XXX	400-415V, 50/60HZ, 4.5kw	56 x 76.2 x 56
ECRT-30X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	48.3 x 119.4 x 48.3
ECS-30X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	52 x 92.7 x 52
ECS-30X XXX	400-415V, 50/60HZ, 4.5kw	52 x 92.7 x 52
ECT-30X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw	45.7 x 118.1 x 45.7
ECT-30X XXX	400-415V, 50/60HZ, 4.5kw	45.7 x 118.1 x 45.7
ECJN-40X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	61 x 80.7 x 61
ECJN-40X XXX	400-415V, 50/60HZ, 4.5kw	61 x 80.7 x 61
ECLN-40X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	61 x 80.7 x 61
ECLN-40X XXX	400-415V, 50/60HZ, 4.5kw	61 x 80.7 x 61
ECS-40X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	50.8 x 120.7 x 50.8
ECS-40X XXX	400-415V, 50/60HZ, 4.5kw	50.8 x 120.7 x 50.8
ECS-40XLD XXX	400-415V, 50/60HZ, 6.0kw, 9.0kw	50.8 x 120.7 x 50.8
ECT-40X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw	45.7 x 151.1 x 45.7



# GULF TYPE EXAMINATION CERTIFICATE

Certificate No. GC-10390-A1-UL

Page 3/5

Date of Issue 2020-07-17 | Date of Expiry 2022-12-12

ECT-40X XXX	400-415V, 50/60HZ, 4.5kw	45.7 x 151.1 x 45.7
ECS-50X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	54.6 x 122 x 54.6
ECS-50X XXX	400-415V, 50/60HZ, 4.5kw	54.6 x 122 x 54.6
ECS-50XLD XXX	400-415V, 50/60HZ, 6.0kw, 9.0kw	54.6 x 122 x 54.6
ECL-50X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	67.3 x 86.4 x 67.3
ECL-50X XXX	400-415V, 50/60HZ, 4.5kw	67.3 x 86.4 x 67.3
ECT-52X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	50.8 x 148 x 50.8
ECT-52X XXX	400-415V, 50/60HZ, 4.5kw	50.8 x 148 x 50.8
ECT-55X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	56 x 143.5 x 56
ECT-55X XXX	400-415V, 50/60HZ, 4.5kw	56 x 143.5 x 56
ECT-66X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	52.1 x 153 x 52.1
ECT-66X XXX	400-415V, 50/60HZ, 4.5kw	52.1 x 153 x 52.1
ECT-66XLD XXX	400-415V, 50/60HZ, 6.0kw, 9.0kw	52.1 x 153 x 52.1
ECT-80X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	57.2 x 153.7 x 57.2
ECT-80X XXX	400-415V, 50/60HZ, 4.5kw	57.2 x 153.7 x 57.2
ECT-80XLD XXX	400-415V, 50/60HZ, 6.0kw, 9.0kw	57.2 x 153.7 x 57.2
ECT-120X XXX	220-240V, 50/60HZ, 1.5kw, 2.0kw, 2.5kw, 3.0kw, 3.5kw, 4.0kw, 4.5kw, 5.0kw, 6.0kw	71.1 x 163.2 x 71.1
ECT-120X XXX	400-415V, 50/60HZ, 4.5kw	71.1 x 163.2 x 71.1
ECT-120XLD XXX	400-415V, 50/60HZ, 6.0kw, 9.0kw	71.1 x 163.2 x 71.1





# GULF TYPE EXAMINATION CERTIFICATE

Certificate No. GC-10390-A1-UL

Page 4/5

Date of Issue 2020-07-17 | Date of Expiry 2022-12-12

## Additional information:

A technical amendment was made to the type examination certificate on July 13, 2020 to include additional investigation of the products in accordance with GSO 1858:2008. Products were additionally evaluated in accordance with SASO GSO 1858/2012; SASO GSO 1859/2012; and GSO 1859:2008.

A non-technical amendment was made to the type examination certificate on July 17, 2020 to include revised nameplate marking. The Arabic translation of "MADE IN USA" was updated to reflect the correct information.

## Additional Manufacturing Locations (Factories) name and address:

A. O. Smith Corporation  
500 Tennessee Waltz Parkway  
Ashland City, TN 37015 USA

A. O. Smith Corporation  
25731 Highway 1  
McBee, SC, 29101 USA



# GULF TYPE EXAMINATION CERTIFICATE

Certificate No. GC-10390-A1-UL

Page 5/5

Date of Issue 2020-07-17 | Date of Expiry 2022-12-12

Product Image(s):

External Views of the product(s)

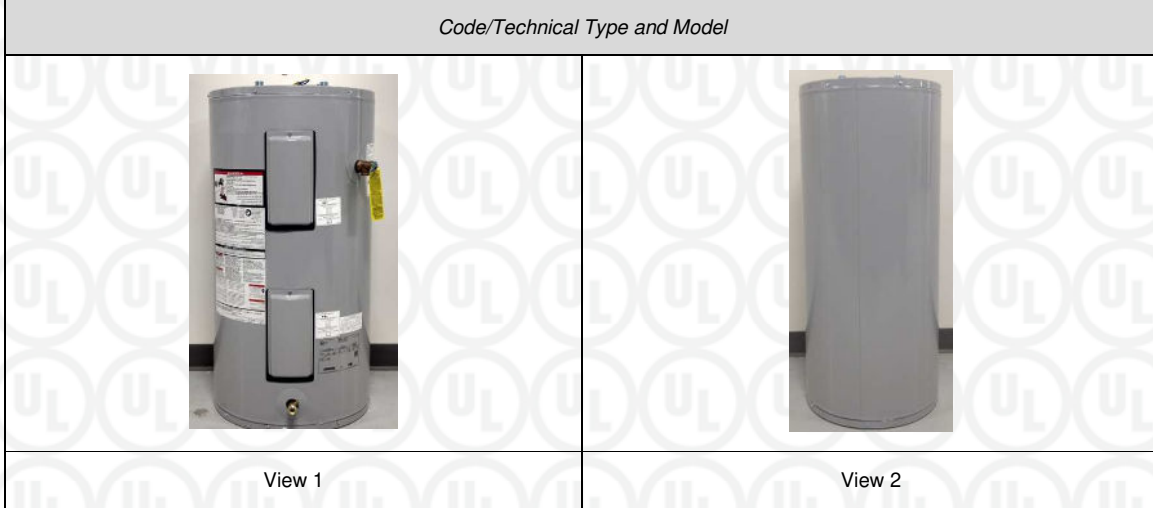




Image of product markings/rating plate(s) showing trademark/brand

Code/Technical Type and Model (representative)

		LISTED 932N		RESIDENTIAL STORAGE TANK WATER HEATER سخان مياه الخزانات السكني		IPX1 علامة الحماية العالمية 1	
رقم الطراز MODEL NUMBER		الرقم المسلسل SERIAL NUMBER		معرف الصنف / رقم الصنف ITEM ID / PART NUMBER			
ECS-40X 290		182410770850		100294782			
المرحلة (Ph) Ph (PHASE)	الفولت (V) V (VOLTS)	هرتز (Hz) Hz (HERTZ)	عدد العناصر No. of ELEMENTS	لواحد EACH	الاجملي TOTAL	الحد الأقصى لضغط التشغيل MAXIMUM WORKING PRESSURE رطل لكل بوصة مربعة PSI	كيلو باسكال kPa
1	220-240	50/60	2	4500	4500	150	1034
السعة CAPACITY جالون أمريكي US GAL		الانتظار اليومي (خمس دقائق) واط ساعة DAILY STANDBY LOSSES (KWh)		A. O. SMITH CORPORATION  صنع في: الولايات المتحدة الأمريكية MADE IN USA 1600			
35.7		1.35		1.62			
رقم الطراز Model Number		الرقم المسلسل Serial Number					

# GULF TYPE EXAMINATION CERTIFICATE

for Low Voltage Electrical Equipment and Appliances in list (2)  
of Gulf Technical Regulation BD-142004-01

APPENDIX to Certificate No. GC-10390-A1-UL

Page 1/1

Date of Issue 2020-07-17 | Date of Expiry 2022-12-12

Gulf Conformity Tracking Symbol (GCTS) for Products:



The GCTS in different sizes and shapes is supplied by UL together with this certificate.

Certified products shall be marked under the sole responsibility of the manufacturer. The above GCTS is related to the models covered by this Gulf Type Examination Certificate only and shall be used according to "GSO Rules for the Use of the GSO Conformity Tracking Symbol (GCTS)".

The symbol includes two elements (Gulf Conformity Marking - G-Mark logo and QR code) and is considered as a single entity.

It shall comply with the minimum dimension requirements and maintain the proportion; it shall be easily visible, permanent and readable by QR codes scanners.

