



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEX QPS 16.0015X** Page 1 of 4 Certificate history:  
Status: **Current** Issue No: 6 Issue 5 (2021-03-09)  
Date of Issue: 2022-05-16 Issue 4 (2020-03-10)  
Applicant: **Ice Qube Inc.** Issue 3 (2018-05-16)  
141 Wilson Ave. Greensburg Issue 2 (2018-02-06)  
PA, 15601 Issue 1 (2017-03-27)  
**United States of America** Issue 0 (2017-01-17)  
Equipment: **Air conditioner for computer and electronics equipment enclosure**  
Optional accessory:  
Type of Protection: **'ec'**  
Marking: IECEx QPS 16.0015X  
Model:  
IQ1000EV Z2, IQ2000EV Z2 IQ3000EV Z2,  
*Ex ec IIC T6 Gc (without Crankcase Heater), Ex ec T5 Gc (with Crankcase Heater)*  
IQ14000EV Z2, IQ17000EV Z2, IQ20000EV Z2  
*Ex ec IIC T5 Gc (without Crankcase Heater), Ex ec IIC T4 Gc (with Crankcase Heater)*  
IQ4000EV Z2, IQ5000EV Z2, IQ6000EV Z2,  
IQ8000EV Z2, IQ10000EV Z2, IQ12000EV Z2  
*Ex ec IIC T4 Gc (without Crankcase Heater) Ex ec IIC T3 Gc (with Crankcase Heater)*  
  
 $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ , IP66  
  
Input Voltage:  
120 V 60Hz, 220V/230V 50/60Hz, 240V 50/60Hz, 400 V 50/60Hz, 440 V 50/60Hz, 480 V 50/60Hz

Approved for issue on behalf of the IECEx  
Certification Body:

**D, Adams, P.Eng.**

Position:

**Manager, Hazardous Locations Department [Ex Equipment]**

Signature:  
(for printed version)

Date:  
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**QPS  
Evaluation Services Inc.  
81 Kelfield St  
Unit 8  
Toronto, Ontario M9W 5A3  
Canada**





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Certificate No.: **IECEX QPS 16.0015X**

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Date of issue: 2022-05-16

Issue No: 6

Manufacturer: **Ice Qube Inc.**  
141 Wilson Ave. Greensburg  
PA, 15601  
**United States of America**

Manufacturing  
locations: **Ice Qube Inc.**  
141 Wilson Ave. Greensburg  
PA, 15601  
**United States of America**

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[CA/QPS/ExTR16.0015/00](#)  
[CA/QPS/ExTR17.0003/03](#)

[CA/QPS/ExTR17.0003/00](#)  
[CA/QPS/ExTR17.0003/04](#)

[CA/QPS/ExTR17.0003/01](#)

Quality Assessment Report:

[CA/QPS/QAR20.0002/00](#)



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**EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Air Conditioned model IQ Series

IQ1000EV Z2: 1000BTUH / 293 Watts Cooling Capacity

IQ2000EV Z2: 2000BTUH / 586 Watts Cooling Capacity

IQ3000EV Z2: 3000BTUH / 880 Watts Cooling Capacity

IQ4000EV Z2: 4000BTUH / 1172 Watts Cooling Capacity.

IQ5000EV Z2: 5000BTUH / 1466 Watts Cooling Capacity.

IQ6000EV Z2: 6000BTUH / 1758 Watts Cooling Capacity.

IQ8000EV Z2: 8000BTUH / 2350 Watts Cooling Capacity.

IQ10000EV Z2: 10000BTUH / 2930 Watts Cooling Capacity.

IQ12000EV Z2: 12000BTUH / 3520 Watts Cooling Capacity.

IQ14000EV Z2: 14000BTUH / 4103 Watts Cooling Capacity.

IQ17000EV Z2: 17000BTUH / 4982 Watts Cooling Capacity.

IQ20000EV Z2: 20000BTUH / 5861 Watts Cooling Capacity

**SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. "WARNING – Potential Electrostatic Charging Hazard-See Instructions"



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Date of issue: 2022-05-16

Issue No: 6

## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

1. Revised model # with added on a suffix of "Z2"
2. Added on new models to the IQ Series with large Capacity air conditioner.

Issue 2:

1. Added on new models to the IQ series Air Conditioner with expanding cooling capacity.  
New models: IQ1000EV Z2, IQ2000EV Z2, IQ3000EV Z2, IQ14000EV Z2, IQ17000EV Z2 and IQ20000EV Z2.

Issue 3:

1. Revised the input voltages to including 240V 50/60Hz and 440 V 50/60Hz to the IQ....EV series.

Issue 4: link to QA

Issue 5 (2021-03-05)

1. Update the evaluation from IEC60079-0:Edition 6 to IEC 60079-0: edition: 7
2. re-evaluated from "nA, nC" to :ec: according to IEC 60079-0: edition 7. and including IEC 60079-7:2015/AMD1:2017
3. Revise Marking Label.

Issue 6 (2022-05-16).

1. Added, alternate blowers for use as evaporator and condenser blower.