



EU Type Examination Certificate CML 18ATEX1236X Issue 0

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment **Air Conditioner models IQ4000EX, IQ5000EX, IQ6000EX, IQ8000EX, IQ10000EX, IQ12000EX**
- 3 Manufacturer **Ice Qube, Inc.**
- 4 Address **141 Wilson Ave.,
Greensburg, PA, 15601,
USA**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Certification Management Limited, Unit 1 Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK, Notified Body Number 2503, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

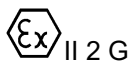
EN 60079-0:2018

EN 60079-1:2014

EN 60079-7:2015

EN 60079-11:2012

- 10 The equipment shall be marked with the following:



Ex db eb ib IIB+H2 T4 Gb

Ta= -40°C to +60°C



**CML 18ATEX1236X
Issue 0**

11 Description

Air conditioner models IQ4000EX, IQ5000EX, IQ6000EX, IQ8000EX, IQ10000EX, IQ12000EX are intended to be mounted to an adjacent enclosure. The evaporator compartment freely communicates with the adjacent enclosure, blowing the conditioned air. The condenser compartment is open to the surrounding atmosphere.

The input power Line voltage specified at 220/240 VAC is fed into a R. STAHL terminal box (part number 8146/1031-3) by the installer and Terminated the input wires to the terminal block (Panduit P/N DNFR14-250FIB). The power input power line transfer to the internal wiring from the other end of the terminal block connection in the terminal box and then fed into a GM international Intrinsic barrier (P/N: D1130D). The internal power line wire also connects to contactors to turn on/off the electrical components: Evaporator Blower*, Condenser Blower* and the air compressor*. The barrier provides outputs to a thermostat, manufactured by Honeywell, part number T675A.

The non-electrical/electrical part thermostat also wired in series with two non-electrical/electrical safety switched (low-pressure switch and high-pressure switches) designated HPC and LPC. The IS barrier is housed in a R STAHL flameproof enclosure P/N # 8250/5-0250-0150-110.

The air conditioner is intended for use in Zone 1 applications, Ex db eb ib IIB+H2 T4 Gb Hazardous Locations with an ambient temperature ranging from -40°C to +60°C.

(*Notice: These components are contained mechanical parts and are excluded for the assessment. These components are included in the electrical evaluation).

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	25 Jan 2019	R12087A/00	Issue of Prime Certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate. A copy of the certificates and instructions shall be provided as part of the installer document pack.
- ii. The manufacturer shall provide the end-user with operating instructions, settings, and operating parameters as appropriate for all electrical parts that form part of the equipment.
- iii. The equipment comprises non-electrical parts that do not fall under the scope of this certification; the manufacturer shall provide the end-user with technical documentation / specification as appropriate for the assessment of all non-electrical parts.



**CML 18ATEX1236X
Issue 0**

14 Specific Conditions of Use (Special Conditions)

The following conditions relate to safe installation and/or use of the equipment.

- i. As specified by the manufacturer, the equipment is not user serviceable; the equipment shall be returned to the manufacturer for repairs, maintenance and/or modifications.
- ii. The cable that connects to the air conditioner should be chosen and installed according to the local code/requirement.
- iii. Hazardous electrostatic charges of metallic and non-metallic parts and/or hazards from stray currents must be prevented. This can be made by connection to the local equipotential bonding; it is the user's responsibility to ensure that the equipment is connected to earth appropriately.
- iv. The equipment comprises previously certified parts; the user and/or installer shall install and commission the equipment taking into account any restrictions or specific conditions of use that are applicable to the previously certified devices/parts that are fitted to the equipment.
- v. The equipment incorporates Models IQ4000EX, IQ5000EX, IQ6000EX, IQ8000EX, IQ10000EX, IQ12000EX air conditioners; the space between the Fan blades and blower wheels to the housing assembly do not fall under the scope of this certification. In addition, this certificate only covers the electrical elements of the aforementioned air-conditioner models; it is the user's responsibility to conduct an appropriate assessment of these parts (i.e. non-electrical parts) to ensure that they do not pose an ignition hazard.