



CSA
Group



THORNE &
DERRICK
INTERNATIONAL

Thorne & Derrick
+44 (0) 191 410 4292
www.heatingandprocess.com

Certificate of Compliance

Certificate: 70146283

Master Contract: 187735

Project: 70146283

Date Issued: 2017-07-12

Issued to: Exheat Ltd.
Thrextan Road Industrial Estate
Watton
Norfolk, IP25 6NG
UNITED KINGDOM
Attention: Mr. James Pettman

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by: Thomas
Munteanu
T. Munteanu, P.Eng.

PRODUCTS

CLASS - C281881 - HEATERS-Air-Stationary Type-For Hazardous Locations-Certified to U.S. Standards
CLASS - C281801 - HEATERS-Air - Stationary Type - For Hazardous Locations

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Class I, Division 2. Groups A, B, C & D. Temperature Class T4, T3 or T2*.

Types FAW, FAW-C, FAW-C-T, industrial stationary air heaters, rated from 250W to max. 3000W, 120V ac, 240V ac or 480V ac, 1 phase or 3 phase, 60Hz, with power density at element surface of 3.01 W/cm², 1.35W/cm² or 1.1 W/cm², ambient temperature -60°C to +40°C or -60°C to +60°.

Note: Heaters rated with T3 temperature rating may be marked with T2 temperature rating.

APPLICABLE REQUIREMENTS

CSA-C22.2 No. 0-10 - General Requirements – Canadian Electrical Code Part II
CSA-C22.2 No 46-13- Electric Air Heaters
CSA-C22.2 No. 72-10 – Heater Elements



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CSA-C22.2 No. 213-2016 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

ANSI/ISA 12.12.01: 2016 - Non-Incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

UL 823, 9th Edition - Electric Heaters for Use in Hazardous (Classified) Locations

MARKINGS

- Submitter's name, trademark, or the CSA file number (adjacent the CSA Mark);
- Catalogue / Model designation;
- Complete electrical rating (Volts, Current, Watts, Phases);
- Date code / Serial number traceable to year of manufacture;
- Hazardous Locations Designation: Class I, Division 2, Groups A, B, C and D;
- Temperature Codes: T2, T3 and T4 as applicable;
- Ambient Temperature: -60° to +40°C or -60°C to +60°C (see rating conditions);
- The following cautions and warnings: (with equivalent French language):
 - a) “WARNING; DO NOT OPEN WHEN ENERGISED” and “AVERTISSEMENT: NE PAS OUVRIR SOUS TENSION”.
 - b) “CAUTION: TO REDUCE THE RISK OF FIRE OR EXPLOSION, DO NOT INSTALL WHERE THE MARKED OPERATING TEMPERATURE EXCEEDS THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE” and “POUR REDUIRE LE RISQUE D’INCENDIE OR EXPLOSION, NE PAS INSTALLER LA OU LA TEMPERATURE NOMINALE MARQUEE DEPASSE LA TEMPERATURE D’ALLUMAGE DE L’ATMOSPHERE EXPLOSIVE »

The heater is marked with the wording:

“For supply connections use wire rated for at least 75°C” and “Attention: employer des fils d’alimentation adequats pour 75°C”

“Install bottom of heater not less than 200 mm above the finished floor” and “Attention: installer a au moins 200 mm du plancher”



Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
70146283	2017-07-12	Original certification of Types FAW, FAW-C, FAW-C-T industrial stationary air heaters for Class I, Division 2, Groups A, B, C and D hazardous locations. Continuation of project 70027792.



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