



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx LCI 10.0040 issue No.: 2  
Status: **Current**  
Date of Issue: **2012-08-08** Page 1 of 4  
Applicant: **TIGER VAC INTERNATIONAL INC.**  
2020 Dagenais Blvd. West  
Laval, Quebec H7L 5W2  
Canada  
Electrical Apparatus: **Vacuum Cleaner**  
*Optional accessory:*  
Type of Protection: **d and t**  
Marking: TIGER VAC INTERNATIONAL INC.  
Address : ...  
Type : CD-xx EX yy or CD/EUR xx EX yy or EUR/HLMT xx EX yy or CDPU xx EX  
Serial number : ...  
Year of construction : ...  
Ex d IIB T4 Gb Ex t IIIC T135°C Db IP65  
Tfluide < 25°C Tamb< 30°C (1)  
or Ex t IIIC T135°C Db IP65 Tamb < 40°C (1)  
or Ex d IIB T4 Gb Tfluide < 25°C Tamb< 30°C (1)  
IECEx LCI 10.0040  
WARNING – DO NOT OPEN WHEN ENERGIZED.  
Remark (1): marking depends on final environment of product gas only or dust only or both gas and dust.

Certificate history:  
Issue No. 2 (2012-8-8)  
Issue No. 1 (2011-9-22)  
Issue No. 0 (2010-11-10)

Approved for issue on behalf of the IECEx  
Certification Body:

Julien GAUTHIER

Position:

Certification Officer

Signature:  
(for printed version)

Date:

2012-8-8

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Laboratoire Central des Industries Electriques (LCIE)**  
33 Avenue du General Leclerc  
FR-92260 Fontenay-aux-Roses  
France

Documents relative to LCIE certification activities (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".





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Manufacturer: **TIGER VAC INTERNATIONAL INC.**  
2020 Dagenais Blvd. West  
Laval, Quebec H7L 5W2  
Canada

Manufacturing location(s):

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 electrical apparatus 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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5  
**IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition: 6  
**IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition: 1

*This Certificate **does not** indicate compliance with electrical 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 Report:

FR/LCI/ExTR10.0043/00

FR/LCI/ExTR10.0043/01

##### Quality Assessment Report:

FR/LCI/QAR10.0008/00

FR/LCI/QAR10.0008/01

FR/LCI/QAR10.0008/02



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The equipment is a vacuum cleaner intended for wet and dry recovery in potential explosive atmospheres. Equipment type are CD-xx EX yy, CD/EUR xx EX yy, EUR/HLMT xx EX yy, and power supply unit CDPU xx EX. The "xx" is a numerical value used to differentiate the power rating of the blower motor assemblies. The "yy" is used to indicate the filtration system installed in the vacuum cleaner.

Certified electrical apparatus used are:

- Motor: Cemp S.p.A, ref AB30 xxxyy2 (differences are depending upon vacuum power)
- Motor: Motori Elettrici, ref RLM xxxyy2 (differences are depending upon vacuum power)
- Motor (alternate): Euromotori S.r.l, ref MAK xx (differences are depending upon vacuum power)
- Motor (alternate): LEROY-SOMER, ref LSPX xxxyy (differences are depending upon vacuum power)
- Control station: A.D. Vigano srl; type EJB
- Control station (alternate): Coelbo Srl; type CCF2 and CCF7/A
- Cord Bushing/Cable gland: EL.FIT S.p.A.; type FG
- Adaptors and plugs: EL.FIT S.p.A.; types RE and PLG

### CONDITIONS OF CERTIFICATION: NO



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

Issue 1: correction of mistakes in product models, correction of editorial points, update of date of issue.

Issue 2: Normative update according to standards IEC 60079-0, Ed 5 ; IEC 60079-1, Ed 6 ; IEC 60079-31, Ed 1.