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

Certificate No.: IECEx LCI 10.0040X

Issue No: 3

Certificate history:
Issue No. 3 (2019-02-21)
Issue No. 2 (2012-08-08)
Issue No. 1 (2011-09-22)
Issue No. 0 (2010-11-10)

Status: **Current**

Date of Issue: **2019-02-21**

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

Equipment: **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 10.0040X
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.

Approved for issue on behalf of the IECEx Certification Body: Julien GAUTHIER

Position: Certification Officer

Signature:
(for printed version)

Date: 2019-02-21

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.

Certificate issued by:

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

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

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

*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 FR/LCIE/ExTR19.0008/00

Quality Assessment Report:

FR/LCI/QAR10.0008/08

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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.

The certificate cover only the electrical parts as described:

- Motor: Cemp S.p.A, ref AB30 xxxyy2 (differences are depending upon vacuum power),

- Motor: Motori Eletrici, 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,

- Cord Bushing/Cable gland (alternate): FEAM.; type P** or P*R*,

- Adaptors and plugs: EL.FIT S.p.A.; types RE and PLG.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The user must ensure that the used accessories are those recommended by the manufacturer.

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

Issue 0: Initial assesment

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.

Issue 3: Addition of a new cable gland, Manufacturer: FEAM, type: P** and P*R* and addition of a specific condition of use.

Annex:

Annex 01 to Certificate IECEx LCI 10.0040X issue 03 .pdf

Annex 01 to Certificate
IECEx LCI 10.0040X issue 03

FULL EQUIPMENT DESCRIPTION

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.

The certificate cover only the electrical parts as described:
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- 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,
- Cord Bushing/Cable gland (alternate): FEAM.; type P** or P*R*,
- Adaptors and plugs: EL.FIT S.p.A.; types RE and PLG.

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)
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Remark (1): marking depends on final environment of product gas only or dust only or both gas and dust

RANGE DETAILS

The nomenclature used is CD-xx EX yy, CD/EUR xx EX yy, EUR/HLMT xx EX yy and power unit CDPU xx.
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.

List of the vacuum cleaner models:

- CD (1.5) / (2.2) / (3) / (4) / (5.5) / (7.5) / (11) / (15) EX,
- CD/EUR (1.5) / (2.2) / (3) / (4) / (5.5) / (7.5) / (11) / (15) EX,
- EUR/HLMT (1.5) / (2.2) / (3) / (4) / (5.5) / (7.5) / (11) / (15) EX,
- CDPU (1.5) / (2.2) / (3) / (4) / (5.5) / (7.5) / (11) / (15) EX.

FULL CONDITIONS OF CERTIFICATION

The user must ensure that the used accessories are those recommended by the manufacturer.

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ROUTINE TESTS

Each apparatus shall be submitted to earth continuity and dielectric strength test.

APPARATUS OVERVIEW

N/A

ADDITIONAL MANUFACTURING LOCATIONS

N/A

TEST & ASSESSMENT REPORTS

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Test Report:

FR/LCI/ExTR10.0043/00,
FR/LCI/ExTR10.0043/01,
FR/LCI/ExTR19.0008/00.

Quality Assessment Report:

FR/LCI/QAR10.0008/08

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