



ATEX 3rd Party Certified
CE 0081 II 1/3 D
Ex to IIIC T200°C Dc IP6X
c T3
LCIE 15 ATEX 3061

Zone 20 (Dust) providing a very High Protection Level inside the Recovery Tank
For the Safe Recovery of Combustible Dusts



IECEX 3rd Party Certified
Ex to IIIC T200°C Dc IP6X
IECEX LCIE 15.0048



This model can be used to Recover Combustible Dusts such as Dust Groups :

- IIIA** Combustible Flying (lints of cotton, wood chips, etc.)
- IIIB** Non-Conductive Dusts (flour dust, grain dust, flour, sugar, starch, wood, plastic, carbonaceous dusts, coal, carbon black)
- IIIC** Conductive Dusts (combustible metal dust, aluminum, magnesium, commercial alloys)

ESD Safe Vacuum Cleaners for Hazardous Locations are designed to prevent ignition hazards.
We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)

Characteristics



Static Dissipating



HEPA - Included



High Efficiency



Stainless General



Dry Recovery



SD Accessories - Included



EX Certified



- Sanding kit systems.
- Intermittent Housekeeping and General Cleaning.
- Includes 4 HEPA filters. Class H14. Individually factory tested.
- Material to be recovered within a Conductive Cloth Recovery Bag.
- Includes an indicator light to advise of vacuum blockage.
- An optional Spark Trap will stop and prevent the ignition sources to propagate inside the conductive recovery bag.
- Fully automatic remote start/stop system allows the vacuum cleaner to be controlled by pneumatic hand tools

Specifications

C-10 EX (2+2W) SK HEPA	111779B
Model Name	C-10 EX (2+2W) SK HEPA
Type (Powerhead)	Electric
Voltage	220/240 V
Hertz	50/60 Hz
Phase	Single
Wattage	1200 W
Power	1.2 kW
Amperage	5 amps.
Air Flow	194 m ³ /h
Vacuum Pressure	2504 mm H ₂ O
Sound Level	72 dB(A)
Plug Type	European
Suction Inlet	60 mm
Cart Type	2+2 Wheels
Dry Recovery - Tank	38 L
Dry Recovery - Disposable Filter Bag	19 L
Length	69 cm
Width	51 cm
Weight (Vacuum Only)	24.5 kg.
Height	99 cm
Cord Length	10 m

Please note that specifications are subject to change without notice

Use only recommended tools & accessories



Conductive Polyliner Recovery Bag - Included



Y-Connector - Included



Air Supply Hose Assembly, Static Dissipative and Conductive - Included



Suction/Airline Hose Assembly, Static Dissipative and Conductive - Included



Conductive Recovery Bag - Included



Upstream HEPA Filter - Included



Spark Trap - Optional

European Headquarters

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Zona Industriale Ponte Rizzoli
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2020 Dagenais Blvd. Ouest
Laval, Quebec
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Website: <http://www.tiger-vac.com>
Email: sales@tiger-vac.com



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ESD Safe Vacuum Cleaners for Hazardous Locations are designed to prevent ignition hazards.
We use metal parts or Static Dissipative Powder Coating to prevent Electrostatic Discharge (ESD)

Specifications for C-10 EX (2+2W) SK HEPA

Name	Part Number	Voltage	Hertz	Phase	Wattage	Power	Amperage	Air Flow	Vacuum Pressure	Plug Type	Dry Recovery - Tank	Dry Recovery - Disposable Filter Bag
C-10 EX (2+2W) SK HEPA	111779B	220/240 V	50/60 Hz	Single	1200 W	1.2 kW	5 amps.	194 m ³ /h	2504 mm H ₂ O	European	38 L	19 L
Dimensions: H99 cm x W51 cm x L69 cm					Weight: 24.5 kg.		Sound Level: 72 dB(A)					

Please note that specifications are subject to change without notice

Technical Sheet for C-10 EX (2+2W) SK HEPA

HEPA FILTERS - Included	
Part #	Description
212304B-HD	HEPA FILTER, 99.99% EFFICIENCY ON 0.3 MICRON, HEAVY DUTY CONSTRUCTION
215372	HEPA FILTER WITH GASKETS ON BOTH SIDES, 99.99% ON 0.3 MICRON, 11.522" OD x 9.066" ID x 2" HIGH
211854	HEPA FILTER (H14) WITH GASKET, 2"(50mm) HIGH

FILTERS AND ACCESSORIES - Included	
Part #	Description
219046A	MAIN FILTER ASSEMBLY SD* FOR C-10 EX VACS WITH 4 LACES FOR WHITE FILTER CAGE (CAGE SOLD SEPARATELY)

HIGH TEMPERATURE MAIN FILTER - Optional	
Part #	Description
212359	HIGH TEMPERATURE MAIN FILTER ASMBLY w/GASKET w/RING w/LACES SD* FOR C-10 EX(4W)-CAGE SOLD SEPARATELY

CONDUCTIVE RECOVERY BAG - Included	
Part #	Description
212994-SD	COLLECTION BAGS MADE OF CONDUCTIVE MATERIAL (PKG OF 3)

POLY LINER RECOVERY BAGS AND ACCESSORIES - Included	
Part #	Description
212100S	CONDUCTIVE POLY LINER WITH DRAW STRING (40 LITRES/10 GALLONS)

TOOLS AND ACCESSORIES - Included	
Part #	Description
381628	"WYE" CONNECTOR, 1.5"(38mm) x 1.25"(32mm) x 1.25"(32mm), MADE OF CONDUCTIVE PLASTIC
303019D	SUCTION/AIR HOSE STATIC CONDUCTIVE CRUSHPROOF 20'(6m) (15'x1.25" + 5'x1") w/6'(1.8m)SLEEVE
211029D	AIR SUPPLY HOSE ASSEMBLY SD*, 0.5" x 25' w/ONE FEMALE QUICK DISC. & w/0.5" MALE NPT ON OTHER END

TOOLS AND ACCESSORIES - Optional	
Part #	Description
303020D	SUCTION/AIR HOSE STATIC CONDUCTIVE CRUSHPROOF 30'(25'x1.25"+5'x1") w/6' SLEEVE FOR 1.25" HOSE BARB

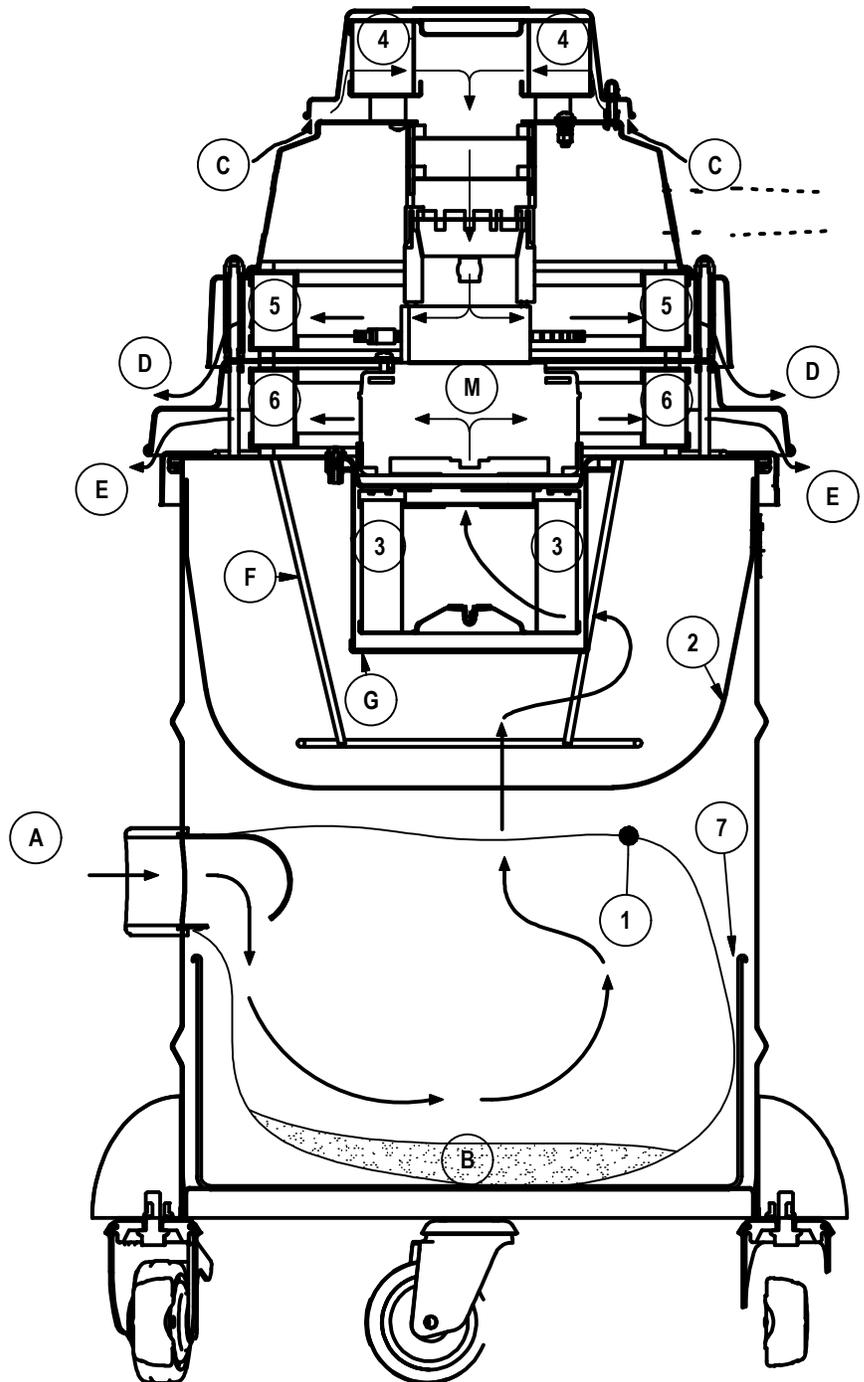
SPARK TRAP - Optional	
Part #	Description
218910A	SPARK TRAP ASSEMBLY WITH ALUMINUM MESH FILTER INSTALLED, FOR USE w/38mm CONDUCTIVE PLASTIC INLET

SANDERS - Optional	
Part #	Description
303140A2-1	ORBITAL PALM SANDER ONLY W/5"(12.7mm)STICKY PAD,CHANNEL,LIPSEAL SHROUD(NO OVERSKIRT)&1" EXHAUST TUBE
303140B2-1	ORBITAL PALM SANDER ONLY WITH 5"(12.7cm)VELCRO PAD,CHANNEL,LIPSEAL SHROUD(NO OVERSKIRT)&1"EXHAUST TU
303140C2-1	ORBITAL PALM SANDER ONLY WITH 6"(15.2cm)STICKY PAD,CHANNEL,LIPSEAL SHROUD(NO OVERSKIRT)&1"EXHAUST TU
303140D2-1	ORBITAL PALM SANDER ONLY WITH 6"(15.2cm)VELCRO PAD,CHANNEL,LIPSEAL SHROUD(NO OVERSKIRT)&1"EXHAUST TU
303140E-1	ORBITAL PALM SANDER ONLY WITH 5"(12.7cm)ABRANET PAD,LIPSEAL SHROUD(NO OVERSKIRT)&1"EXHAUST TUBE
303140F-1	ORBITAL PALM SANDER ONLY WITH 6"(15.2cm)ABRANET PAD,LIPSEAL SHROUD(NO OVERSKIRT)&1"EXHAUST TUBE

- A: Suction Intake
- B: Recovered Dry Material
- C: Cooling Air Intake
- D: Cooling Air Exhaust
- E: Working Air Exhaust
- F: Support Cage For Main Filter
- G: Protection Housing
- M: Motor

- 1: Conductive Recovery Bag
- 2: Polyester Main Filter
- 3: HEPA Filter* - Working air intake
- 4: HEPA Filter* - Cooling air intake
- 5: HEPA Filter* - Colling air exhaust
- 6: HEPA Filter* - Working air exhaust
- 7: Conductive Poly Liner

*(Efficiency of 99.995% on 0.3 micron)





LCIE

1 **ATTESTATION D'EXAMEN CE DE TYPE**

Appareil, système de protection ou composant destiné à être utilisé en atmosphères explosibles (Directive 94/9/CE)



EC TYPE EXAMINATION CERTIFICATE

Equipment, protective system or component intended for use in potentially explosive atmospheres (Directive 94/9/EC)

3 **Version : 00**

LCIE 15 ATEX 3061

Issue : 00

4 Appareil :
Aspirateur

Equipment:
Vacuum cleaner

Type: C-xx EX yy

5 Demandeur - Fabricant

Applicant - Manufacturer

TIGER-VAC INTERNATIONAL INC

6 Adresse : 2020 Dagenais Boulevard, West
Laval, Québec
Canada, H7L 5W2

Address : 2020 Dagenais Boulevard, West
Laval, Québec
Canada, H7L 5W2

7 Cet appareil, système de protection ou composant et ses variantes éventuelles acceptées sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités en référence.

This equipment, protective system or component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Le LCIE, organisme notifié sous la référence 0081 conformément à l'article 9 de la directive 94/9/CE du Parlement européen et du Conseil du 23 mars 1994, certifie que l'appareil, le système de protection ou le composant est conforme aux Exigences Essentielles de Sécurité et de Santé pour la conception et la construction d'appareil, système de protection ou composant destinés à être utilisés en atmosphères explosibles, données dans l'annexe II de la directive.
Les résultats des vérifications et essais figurent dans le rapport confidentiel :

LCIE, notified body number 0081 in accordance with article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994 certifies that this equipment, protective system or component has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in confidential report:

N° 129678-660670 – Cr15/11/16

9 Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par la conformité à :

Compliance with the Essential Health and Safety Requirements has been assured by compliance with :

EN 60079-0:2012 + A11:2013;
EN 60079-31:2014;
EN 13463-1:2009;
EN 13463-5:2011.

10 Le signe X lorsqu'il est placé à la suite du numéro de l'attestation, indique que cet appareil est soumis aux conditions spéciales pour une utilisation sûre, mentionnées dans l'annexe de cette attestation.

If the sign X is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 Cette attestation d'examen CE de type concerne uniquement la conception et la construction de l'appareil, système de protection ou composant spécifié.
Des exigences supplémentaires de la directive sont applicables pour la fabrication et la fourniture de l'appareil, système de protection ou composant. Ces dernières ne sont pas couvertes par la présente attestation.

This EC type examination certificate relates only to the design and construction of the specified equipment, protective system or component.
Further requirements of the directive apply to the manufacturing process and supply of this equipment, protective system or component. These are not covered by this certificate.

12 Le marquage de l'appareil, système de protection ou composant est mentionné dans l'annexe de cette attestation.

The marking of the equipment, protective system or component is specified in the schedule to this certificate.

Fontenay-aux-Roses, le 25 novembre 2015

Responsable de Certification
Certification Officer

Michel Equi



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The LCIE's liability applies only on the French text. This document may only be reproduced in its entirety and without any change.

Rev.A

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France

www.lcie.fr

au capital de 15 745 984 €
RCS Nanterre B 408 363 174

CERT-ATEX-FORM 04 Rev. 00
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LCIE

1 ATTESTATION D'EXAMEN CE DE TYPE

Appareil, système de protection ou composant destiné à être utilisé en atmosphères explosibles (Directive 94/9/CE)



EC TYPE EXAMINATION CERTIFICATE

Equipment, protective system or component intended for use in potentially explosive atmospheres (Directive 94/9/EC)

3 Version : 00

LCIE 15 ATEX 3061

Issue : 00

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ANNEXE

SCHEDULE

15 DESCRIPTION DE L'APPAREIL, DU SYSTEME DE PROTECTION OU DU COMPOSANT

Ces aspirateurs sont destinés seulement à la récupération des poussières sèches en atmosphères explosives classées ATEX Zone 22 (poussière) et en assurant un niveau de protection très élevé à l'intérieur du réservoir de récupération.

Le type d'équipement est C-xx EX yy.

Le "xx" est une valeur numérique utilisée pour différencier les tailles des modèles.

Le "yy" est utilisé pour indiquer le système de filtration installé à l'aspirateur.

DESCRIPTION OF EQUIPMENT, PROTECTIVE SYSTEM OR COMPONENT

Vacuum cleaners intended for recovery of dry dust only in potentially explosive atmospheres classified ATEX Zones 22 (Dust) and ensuring a very high level of protection inside the recovery tank.

Equipment type is C-xx EX yy.

The "xx" is a numerical value used to differentiate the model sizes.

The "yy" is used to indicate the filtration system installed in the vacuum cleaner.

Paramètre électrique / Electrical parameter			
Puissance / Power	Tension / Voltage	Fréquence / Frequency	Courant / Current
1.2 kW	230 V	50 Hz	5 A

MARQUAGE

Le marquage de l'appareil du système de protection ou du composant doit comprendre :

TIGER-VAC INTERNATIONAL INC

Adresse : ...

Type : C-xx EX yy

N° de fabrication : ...

Année de fabrication : ...

Ex II 1/3 D

Ex tc IIIC T200°C Dc

c T3

IP6X

LCIE 15 ATEX 3061

AVERTISSEMENT – NE PAS OUVRIR SOUS TENSION.

L'appareil doit également comporter le marquage normalement prévu par les normes de construction qui le concernent sous la responsabilité du fabricant.

MARKING

The marking of the equipment, protective system or component shall include the following :

TIGER-VAC INTERNATIONAL INC

Address : ...

Type : C-xx EX yy

Serial number : ...

Year of construction : ...

Ex II 1/3 D

Ex tc IIIC T200°C Dc

c T3

IP6X

LCIE 15 ATEX 3061

WARNING – DO NOT OPEN WHEN ENERGIZED.

The equipment shall also bear the usual marking required by the product standards applying to such equipment under the manufacturer responsibility.

16 DOCUMENTS DESCRIPTIFS

Dossier de certification N° TVATEX1501A Rév.0 du 16/10/2015.

Ce dossier comprend 22 rubriques (101 pages).

17 CONDITIONS SPECIALES POUR UNE UTILISATION SURE

Néant.

18 EXIGENCES ESSENTIELLES DE SECURITE ET DE SANTE

Couvertes par les normes listées au point 9.

DESCRIPTIVE DOCUMENTS

Certification file N° TVATEX1501A Rev.0 dated 2015/10/16.

This file includes 22 items (101 pages).

SPECIAL CONDITIONS FOR SAFE USE

None.

ESSENTIAL HEALTH AND SAFETY REQUIREMENTS

Covered by standards listed at 9.



1 **ATTESTATION D'EXAMEN CE DE TYPE**
Appareil, système de protection ou composant
2 destiné à être utilisé en atmosphères explosibles
(Directive 94/9/CE)

EC TYPE EXAMINATION CERTIFICATE
Equipment, protective system or component intended
for use in potentially explosive atmospheres
(Directive 94/9/EC)

3 Version : 00

LCIE 15 ATEX 3061

Issue : 00

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ANNEXE

19 INFORMATIONS COMPLEMENTAIRES

Essais individuels

Néant.

Conditions de certification

Les détenteurs d'attestations d'examen CE de type doivent également satisfaire les exigences de contrôle de production telles que définies à l'article 8 de la directive 94/9/CE.

20 DETAILS DES MODIFICATIONS

Version 00 : Evaluation initiale

SCHEDULE

ADDITIONAL INFORMATION

Routine tests

None.

Conditions of certification

Holders of EC type examination certificates are also required to comply with the production control requirements defined in article 8 of directive 94/9/EC.

DETAILS OF CHANGES

Issue 00 : initial assessment



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.: issue No.: Certificate history:

Status:

Date of Issue: **2015-11-25** Page 1 of 3

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

Electrical Apparatus: **Vacuum cleaner, Type C-xx EX yy**
Optional accessory:

Type of Protection: **Ex tc**

Marking: **Ex tc IIIC T200°C Dc**
IECEX LCIE 15.0048
Full marking in Annex 01

Approved for issue on behalf of the IECEx
Certification Body: **Michel Equi**

Position: **Certification Officer**

Signature:
(for printed version)

Date:

2015/11/25

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".





IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 15.0048

Date of Issue: 2015-11-25

Issue No.: 0

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Manufacturer: **TIGER-VAC INTERNATIONAL INC.**
2020 Dagenais Boulevard, West
Laval, Québec
Canada, 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 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 : 2011 Explosive atmospheres - Part 0: General requirements

Edition: 6.0

IEC 60079-31 : 2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

Edition: 2

*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/LCIE/ExTR15.0101/00](#)

Quality Assessment Report:

[FR/LCI/QAR10.0008/05](#)



IECEX Certificate of Conformity

Certificate No.: IECEx LCIE 15.0048

Date of Issue: 2015-11-25

Issue No.: 0

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Vacuum cleaners intended for recovery of dry dust only in potentially explosive atmospheres classified IECEx Zone 22 (Dust) and ensuring a very high level of protection inside the recovery tank.

Equipment type is C-xx EX yy.

The "xx" is a numerical value used to differentiate the model sizes.

The "yy" is used to indicate the filtration system installed in the vacuum cleaner.

CONDITIONS OF CERTIFICATION: NO

Annex: [IECEX LCI E15.0048 issue 00 - Annex01.pdf](#)



**Annex 01 to certificate
IECEX LCIE 15.0048 issue 00**



Marking

TIGER-VAC INTERNATIONAL INC

Address: ...

Type : C-xx EX yy

Serial number: ...

Year of construction: ...

Ex tc IIIC T200°C Dc

IP6X

IECEX LCIE 15.0048

WARNING - DO NOT OPEN WHEN ENERGIZED.

Electrical parameters

Rated power : 1.2 kW, Rated voltage : 230 V, frequency : 50 Hz, Rated current : 5 A