



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX UL 13.0062X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 6	Issue 5 (2021-09-20)
Date of Issue:	2024-02-26		Issue 4 (2020-04-17)
Applicant:	Euramco Safety Inc. 2746 Via Orange Way Spring Valley, CA 91978 United States of America		Issue 3 (2019-11-19)
Equipment:	Blower Motors, Fans		Issue 2 (2015-12-28)
Optional accessory:			Issue 1 (2015-08-20)
Type of Protection:	Flameproof Enclosures "db" and Increased Safety "eb"		Issue 0 (2013-09-26)
Marking:	Ex db eb IIB T6 Gb -20 °C to + 40 °C		

Approved for issue on behalf of the IECEx
Certification Body:

Andreas Koehler

Position:

Certification Program Specialist GMA

Signature:
(for printed version)

Date:
(for printed version)

2024-02-26

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Certificate issued by:

UL Solutions (US)
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Euramco Saftey Inc.**
2746 Via Orange Way
Spring Valley, CA 91978
United States of America

Manufacturing locations: **Euramco Saftey Inc.**
2746 Via Orange Way
Spring Valley, CA 91978
United States of America

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with 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 Reports:

[US/UL/ExTR13.0063/00](#)
[US/UL/ExTR13.0063/03](#)
[US/UL/ExTR13.0063/06](#)

[US/UL/ExTR13.0063/01](#)
[US/UL/ExTR13.0063/04](#)

[US/UL/ExTR13.0063/02](#)
[US/UL/ExTR13.0063/05](#)

Quality Assessment Report:

[US/UL/QAR12.0011/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The fans are intended to be used for ventilation purposes and are constructed of an IECEx certified Ex db IIB Motor, a plastic cover, an IECEx certified Ex db eb IIC junction box (including cable glands).

Models UB20xx, EF175xx, EF1120xx and EF1150xx are similar in construction. All models consist of an IECEx certified Ex db IIB Motor, a plastic cover and an IECEx certified Ex db eb IIC junction box (including cable glands). The Model UB20xx uses separately approved increased safety cable glands rather than the ones that come with the outlet box.

Optional power plug/ connection extensions may be provided.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- This specific condition of safe use refers to the fact that the Hazardous Location Fans referenced herein may be purchased with or without an AC power plug termination for the power cable.
- If fans are purchased with unterminated power cables, (flying leads), then it becomes the responsibility, of the end user to select a compliant power plug in accordance with standard, IEC 60079-14 and to install the plug in accordance with the plug manufacturer's instructions. Color code for flying lead power cables is brown "hot", blue "neutral", & yellow/green "ground" for plug connections.
- If fans are purchased with power plug termination for the power cable, manufacturer's instructions for plug & coupler/socket type matching & installations must be followed.
- The flame proof joints are not intended to be repaired.
- For fans purchased with the ROSE aluminum enclosure 05 080806, the following specific condition of use shall appear: The empty enclosure with a coating must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Updated drawings and standards to current editions.

Issue 2: Revisions not affecting the safety of the product.

Issue 3: Updates standards to latest editions.

Issue 4: Addition of a power plug extension to the fans as an optional part to be supplied by the manufacturer. This revision also covers the evaluation of the power plugs which have IECEx certificates issued to older standard versions. There are no changes to the original construction of the fans.

Issue 5: Inclusion of alternate duct adapter in construction.

Issue 6: Junction box update, including new Ex certified PE terminal and updated cable gland references.

Annex:

[Annex to IECEx UL 13.0062X Issue 6.pdf](#)



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TYPE DESIGNATION

<u>Model Number</u>	<u>Part Number Series</u>
UB20xx	EF7002 EF8002
EFi75xx	EB7201XX EB7201XX-230
EFi120xx	EA8120XX EA8120XX-110
EFi150xx	EG8200XX EG8200XX-230

PARAMETERS RELATING TO THE SAFETY

Model	Electrical Rating
UB20xx	115 / 230 VAC, 2.3 / 1.2 A, 50 / 60 Hz
EFi75xx	115 / 230 VAC, 8.8 / 4.4 A, 50 / 60 Hz
EFi120xx	110 / 240 VAC, 10.8 / 5.5 A, 50 Hz
EFi150xx	115 / 230 VAC, 15 / 8.1 A, 50 / 60 Hz

MARKING

Marking has to be readable and indelible; it has to include the following indications:

Specification labels (EFi150xx, EFi120xx and EFi75xx):

Model: EFi150XX	Volts: 115/230VAC, 50/60Hz	Model: EFi120XX	Volts: 110 or 240VAC, 50Hz
Part #: EG8200XX	Amps: 15A/8.1A	Part #: EA8120XX	Amps: 10.8A 5.5A
EG8200XX-230	Power: 1.73kW/1.86kW	EA8120XX-110	Power: 1.19kW 1.32kW
Weight: 61lbs/28kg	Free Air: 4459cfm/7580m ³ /hr	Weight: 55lbs/25kg	Free Air: 3750cfm/6375m ³ /hr
Motor: Rated 1.5HP	MAX Air Inlet Temp: 40°C	Motor: Rated 1.2HP	MAX Air Inlet Temp: 40°C
	MAX Fan Casing Pressure: 12" w.g / 305 mm w.g.		MAX Fan Casing Pressure: 12" w.g / 305 mm w.g.

Model: EFi75XX	Volts: 115/230VAC, 50/60Hz
Part #: EB7201XX	Amps: 8.8A/4.4A
EB7201XX-230	Power: 1.01kW
Weight: 44lbs/20kg	Free Air: 2500cfm/4250m ³ /hr
Motor: Rated 0.75HP	MAX Air Inlet Temp: 40°C
	MAX Fan Casing Pressure: 12" w.g / 305 mm w.g.



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Certification labels (EFi150xx, EFi120xx and EFi75xx):

<p>RAMFAN EFi150XX Turboventilator</p> <p>II 2 G Ex db eb IIB T6 Gb II 2 G Ex h IIB T6 Gb 0539 Demko 09 ATEX 0926969X IECEX UL 13.0062X</p> <p>Unit is intended for Explosive Atmospheres Per ATEX directive 2014/34/EU</p> <p>It is the users responsibility to determine the suitability of this equipment for the intended purpose</p> <p><small>RAMFAN is a brand name of Euramco Safety, Inc. www.euramco.com 2746 Via Orange Way Spring Valley, CA 91978 USA</small></p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><small>LB10150XXCE REV F</small></p>	<p>RAMFAN EFi120XX Turboventilator</p> <p>II 2 G Ex db eb IIB T6 Gb II 2 G Ex h IIB T6 Gb 0539 Demko 09 ATEX 0926969X IECEX UL 13.0062X</p> <p>Unit is intended for Explosive Atmospheres Per ATEX directive 2014/34/EU</p> <p>It is the users responsibility to determine the suitability of this equipment for the intended purpose</p> <p><small>RAMFAN is a brand name of Euramco Safety, Inc. www.euramco.com 2746 Via Orange Way Spring Valley, CA 91978 USA</small></p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><small>LB10120XXCE REV F</small></p>	<p>RAMFAN EFi75XX Turboventilator</p> <p>II 2 G Ex db eb IIB T6 Gb II 2 G Ex h IIB T6 Gb 0539 Demko 09 ATEX 0926969X IECEX UL 13.0062X</p> <p>Unit is intended for Explosive Atmospheres Per ATEX directive 2014/34/EU</p> <p>It is the users responsibility to determine the suitability of this equipment for the intended purpose</p> <p><small>RAMFAN is a brand name of Euramco Safety, Inc. www.euramco.com 2746 Via Orange Way Spring Valley, CA 91978 USA</small></p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><small>LB10175XXCE REV F</small></p>
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Specification and Certification labels (UB20xx):

RAMFAN UB20XX

PART #: EF7002 WEIGHT: 27lbs/12kg
 VOLTAGE: 115V, 50/60Hz FREE AIR: 980cfm/1666m³/hr
 AMPS: 2.3A 15'/4.6m Duct: 1-90°: 789cfm/1341m³/hr
 MOTOR: 0,33HP/0,25kW 2-90°: 666cfm/1132m³/hr
 POWER: 0,26kW
 MAX AIR INLET TEMP: 40°C MAX CASING PRESSURE: 12" w.g. / 305 mm w.g.

It is the users responsibility to determine the suitability of this equipment for the intended purpose.

THERMALLY PROTECTED
Motor will restart without warning after protector trips

Unit is intended for Explosive Atmospheres Per ATEX directive 2014/34/EU
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LB10150XXREV F

RAMFAN UB20XX

PART #: EF8002 WEIGHT: 27lbs/12kg
 VOLTAGE: 230V, 50/60Hz FREE AIR: 1392 m³/hr
 AMPS: 1.2A 15'/4.6m Duct: 1-90°: 1120 m³/hr
 MOTOR: 0,25HP/0,19kW 2-90°: 947 m³/hr
 POWER: 0,29kW
 MAX AIR INLET TEMP: 40°C MAX CASING PRESSURE: 12" w.g. / 305 mm w.g.

It is the users responsibility to determine the suitability of this equipment for the intended purpose.

THERMALLY PROTECTED
Motor will restart without warning after protector trips

Unit is intended for Explosive Atmospheres Per ATEX directive 2014/34/EU
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Serial Number and Date Code reference:



LIST OF CERTIFIED COMPONENTS

The following additional previous editions of Standards noted under the "Standards" section of this Certificate were applied to integral Components as itemized below. There are no significant safety related changes between these previous editions and the editions noted under the "Standards" section.

Product	Certificate Number	Standards
Bluffton Motors Electric Motors, 1223007401, 1133007417, 1933007415, and 1933007419	IECEX UL 12.0034U Issue No. 3	IEC 60079-0:2011
ROSE Systemtechnik GmbH Terminal Enclosure, 05.080806	IECEX PTB 08.0006X Issue No. 2	IEC 60079-7, Ed. 5.0
ATX Plugs, PRE316PY and PRE316PB	IECEX LCI 04.0014 Issue No. 2	IEC 60079-0 (Ed.3.1), IEC 60079-1 (Ed.4), IEC 60079-7 (Ed.3).
Cooper Crouse-Hinds GmbH Plugs, GHG 511 7304 R0001 and GHG 511 7306 R0001	IECEX BVS 17.0045X Issue No. 2	IEC 60079-0 (Ed.6.0), IEC 60079-7 (Ed.5.0).
R. Stahl Schaltgerate GmbH Plugs, 8570/12-304 ARTICLE No. 150599 and 8570/12-306 ARTICLE No. 150579	IECEX PTB 05.0023 Issue No. 3	IEC 60079-7 (Ed.5.0)
Hummel Cable Gland, 1.292.2001.51	IECEX BVS 14.0020X Issue No. 2	IEC 60079-7 (Ed.5.0)