



# 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](http://www.iecex.com)

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

Approved for issue on behalf of the IECEx  
Certification Body:

**Lucy Frieders**

Position:

**Staff Engineer**

Signature:  
(for printed version)

\_\_\_\_\_

Date:

\_\_\_\_\_

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Certificate issued by:

**UL LLC**  
**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**

Additional manufacturing locations:

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 60079-1:2014-06** 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/EXTR13.0063/01](#)  
[US/UL/EXTR13.0063/04](#)

[US/UL/EXTR13.0063/02](#)

Quality Assessment Report:

[US/UL/QAR12.0011/04](#)



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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, EFi75xx, EFi120xx and EFi150xx 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 special 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.



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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.

## **Annex:**

[Annex to IECEx UL 13.0062X Issue 4\\_1.pdf](#)



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## TYPE DESIGNATION

Model Number	Part Number Series
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):

<b>Model:</b> EFi150XX	<b>Volts:</b> 115/230VAC, 50/60Hz
<b>Part #:</b> EG8200XX	<b>Amps:</b> 15A/8.1A
EG8200XX-230	<b>Power:</b> 1.73kW/1.86kW
<b>Weight:</b> 61lbs/28kg	<b>Free Air:</b> 4459cfm/7580m <sup>3</sup> /hr
<b>Motor:</b> Rated 1.5HP	<b>MAX Air Inlet Temp:</b> 40°C
	<b>MAX Fan Casing Pressure:</b> 12" w.g / 305 mm w.g.

<b>Model:</b> EFi120XX	<b>Volts:</b> 110 or 240VAC, 50Hz
<b>Part #:</b> EA8120XX	<b>Amps:</b> 10.8A 5.5A
EA8120XX-110	<b>Power:</b> 1.19kW 1.32kW
<b>Weight:</b> 55lbs/25kg	<b>Free Air:</b> 3750cfm/6375m <sup>3</sup> /hr
<b>Motor:</b> Rated 1.2HP	<b>MAX Air Inlet Temp:</b> 40°C
	<b>MAX Fan Casing Pressure:</b> 12" w.g / 305 mm w.g.

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



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Certification labels (EFi150xx, EFi120xx and EFi75xx):

**RAMFAN EFi150XX**  
Turboventilator

**Ex** II 2 G Ex db eb IIB T6 Gb  
II 2 G Ex h IIB T6 Gb  
CE 0539 Demko 09 ATEX 0926969X  
IECEX UL 13.0062X

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

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

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**RAMFAN EFi120XX**  
Turboventilator

**Ex** II 2 G Ex db eb IIB T6 Gb  
II 2 G Ex h IIB T6 Gb  
CE 0539 Demko 09 ATEX 0926969X  
IECEX UL 13.0062X

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

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

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**RAMFAN EFi75XX**  
Turboventilator

**Ex** II 2 G Ex db eb IIB T6 Gb  
II 2 G Ex h IIB T6 Gb  
CE 0539 Demko 09 ATEX 0926969X  
IECEX UL 13.0062X

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

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

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Specification and Certification labels (UB20xx):

**RAMFAN UB20XX** CE 0539 **Ex** 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

PART #: EF7002 WEIGHT: 27lbs/12kg  
VOLTAGE: 115V, 50/60Hz FREE AIR: 980cfm/1666m<sup>3</sup>/hr  
AMPS: 2.3A 15'/4.6m Duct: 1-90°: 789cfm/1341m<sup>3</sup>/hr  
MOTOR: 0,33HP/0,25kW 2-90°: 666cfm/1132m<sup>3</sup>/hr  
POWER: 0,26kW  
MAX AIR INLET TEMP: 40°C MAX CASING PRESSURE: 12" w.g. / 305 mm w.g.

**AIR** ←

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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**RAMFAN UB20XX** CE 0539 **Ex** 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

PART #: EF8002 WEIGHT: 27lbs/12kg  
VOLTAGE: 230V, 50/60Hz FREE AIR: 1392 m<sup>3</sup>/hr  
AMPS: 1.2A 15'/4.6m Duct: 1-90°: 1120 m<sup>3</sup>/hr  
MOTOR: 0,25HP/0,19kW 2-90°: 947 m<sup>3</sup>/hr  
POWER: 0,29kW  
MAX AIR INLET TEMP: 40°C MAX CASING PRESSURE: 12" w.g. / 305 mm w.g.

**AIR** ←

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:





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## 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
Flameproof Electric Motor	IECEX UL 12.0034U Issue No. 3	IEC 60079-0:2011
Plug	IECEX LCI 04.0014 issue No. 2	IEC 60079-0 (Ed.3.1), IEC 60079-1 (Ed.4), IEC 60079-7 (Ed.3).
Plug	IECEX BVS 17.0045X Issue No. 2	IEC 60079-0 (Ed.6.0), IEC 60079-7 (Ed.5.0).
Plug	IECEX PTB 05.0023 Issue No. 3	IEC 60079-0 (Ed.4), IEC 60079-1 (Ed.6), IEC 60079-7 (Ed.4),