



[1]

# UNITED KINGDOM CONFORMITY ASSESSMENT UK-TYPE EXAMINATION CERTIFICATE

[2]

**Product or Protective System Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

[3]

UK-Type Examination Certificate No.: **UL23UKEX2861X Rev. 0**

[4]

Product: **Blower Motors, Fans**

[5]

Manufacturer: **Euramco Safety Inc.**

[6]

Address: **2746 Via Orange Way, Spring Valley, CA 91978 USA**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.  
The examination and test results are recorded in the confidential report **US/UL/ExTR13.0063/06**.

[9]

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

**EN IEC 60079-0:2018**

**EN 60079-1:2014  
EN 14986:2017**

**EN IEC 60079-7:2015/A1:2018**

Except in respect of those requirements listed at section 19 of the schedule to this certificate.

[10]



If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the Schedule to this certificate.

[11]

This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12]

The marking of the product shall include the following:

 **II 2 G Ex db eb IIB T6 Gb**  
 **II 2 G Ex h IIB T6 Gb**

**Certification Officer**  
Andrew Moffat

This is to certify that the sample(s) of the Product described herein (“Certified Product”) has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the UKEx Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Regulations. The test results may not be used, in whole or in part, in any other document without UL’s prior written approval.

**Date of issue:** 2024-03-06

**Approved Body**

UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade Road, Basingstoke RG24 8AH, UK  
Phone : +44 (0)1256 312100

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[14]

## Schedule UK-TYPE EXAMINATION CERTIFICATE No. UL23UKEX2861X Rev. 0

[15]

Description of Product

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

Models UB20xx, EFi75xx, EFi120xx and EFi150xx are similar in construction. All models consist of an Ex db IIB motor, a plastic cover and an Ex db eb IIC junction box (including cable glands). The Model UB20xx uses separately certified increased safety cable glands rather than the ones that come with the outlet box.

Optional power plug may be provided.

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

Temperature range

The relation between ambient temperature and the assigned temperature class is as follows:

Ambient temperature range	Temperature class
-20 °C to +40 °C	T6

Electrical data

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

Routine tests

Routine tests are not required, as the enclosures have been tested successfully at each supplier's manufacturing facility.

[16]

Test Report No. (associated with this certificate issue)

The test report no. is provided under item no. [ 8 ] on page 1 of this UK-Type Examination Certificate.

[17]

Specific conditions of use:

- 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, EN 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.

[18]

Conditions of certification:

Where ATEX certified Ex Components or Ex Equipment are used, it is the responsibility of the manufacturer to ensure that only Ex Components or Ex Equipment having equivalent UKEx certification are used after the permission to accept such ATEX certified Ex Component or Ex Equipment is withdrawn.

[19]

Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

Additional information

The manufacturer shall inform the approved body concerning all modifications to the technical documentation as described in UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1.

[13]

[14]

**Schedule**  
**UK-TYPE EXAMINATION CERTIFICATE No.**  
**UL23UKEX2861X Rev. 0**

[20] Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
EF7002/EF8002 UB20XX SCHEDULED DWG	EF7002_8002	AC	2023/08/01
EF7002/EF8002 UB20XX ASSEMBLY	EF7002_8002R	AC	2023/08/01
UB20XX EF7002 SPEC/CERT LABEL-ATEX/IECEX	LB1020XX	G	2020/06/09
UB20XX EF8002 SPEC/CERT LABEL-ATEX/IECEX	LB1035XX	H	2022/06/09
EB7201XX EFi75XX SCHEDULED DWG	EB7201XX	L	2023/08/01
EB7201XX EFi75XX	EB7201XX/EB7201R	L	2023/08/01
EFi75XX CERT LABEL-ATEX/IECEX	LB1575XXCE	H	-
EFi75XX Electrical Markings	LB1575X	D	2019/11/12
EA8120XX – EFi120XX SCHEDULED DWG	EA8120XX	L	2023/08/01
EA8120XX – EFi120XX ASSEMBLY	EA8120XXR	L	2023/08/01
EFi120XX CERT LABEL-ATEX/IECEX	LB10120XXCE	H	-
EFi120XX Electrical Marking	LB15120XX	B	2019/11/12
EG8200XX EFi150XX – SCHEDULED DWG	EG8200XX	H	2023/08/01
EFi150XX – ASSEMBLY	EG8200XXR	H	2023/08/01
EFi150XX CERT LABEL-ATEX/IECEX	LB5006	H	-
EFi150XX Electrical Marking	LB5002	B	2019/11/12
Installation Instructions	SM-EFATEX	H4.1	-
Finish Good ID for Serial Numbers	OP08-05	E	2012/04/23
Euramco ATEX 01 Enclosure 05080806	PMI140905-002	L	2023/07/07
Euramco ATEX 02 Enclosure	PMI140905-003	F	2023/07/07
IMPELLER, 15 BLADE, 11.75", 3/4 HP, 3450 RPM, CONDUCTIVE	BL908	A	2015/06/01
IMPELLER BLADE, 15 BLADE, 11.75", 3/4 HP@3450 RPM, CONDUCTIVE	BL908-01	A	2015/06/01
IMPELLER, 16", 7 BLADE, 1.2HP, 3450RPM, CONDUCTIVE	BL906	A	2015/06/03
7 BLADE, 15.31 IMPELLER SECTION, CONDUCTIVE	BL906-01	A	2015/06/03
IMPELLER, 16", 7 BLADE, 1.5HP, 3450RPM, CONDUCTIVE	BL914	A	2015/06/03
7 BLADE, 15.31" IMPELLER, CONDUCTIVE	BL914-01	A	2015/06/03
UB20 RAMFAM IMPELLER, 08. 25"	BL011	E	2014/12/15