

EU-TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

EU-Type Examination Certificate Number: **DEMKO 09 ATEX 0926969X Rev. 7**

Product: **Blower Motors, Fans**

Manufacturer: **Euramco Safety Inc.**

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

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

UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

The examination and test results are recorded in the confidential report no. **US/UL/ExTR13.0063/07.**

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

EN IEC 60079-0:2018
EN IEC 60079-7:2015/A1:2018

EN 60079-1:2014
EN14986: 2017

EN 60079-7:2015

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):

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

Certification Manager
Thomas Wilson

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 ATEX 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 Directives. 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: 2015-09-02

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Notified Body UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule

EU-TYPE EXAMINATION CERTIFICATE No.

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[15]

Description of Product:

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

Models UB20xx, EFi75xx, EFi120xx and EFi150xx are similar in construction. All models consist of an ATEX Ex db IIB motor, a plastic cover and an ATEX 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

Installation instructions

For ambient temperatures below –10 °C use field wiring suitable for the minimum ambient temperature.

Routine tests

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

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Descriptive Documents

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

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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.

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Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.