

# (1) EC-TYPE EXAMINATION CERTIFICATE

## (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC

- (3) EC-Type Examination Certificate Number: **KEMA 06ATEX0094** Issue Number: **2**
- (4) Equipment: **Fans Types EGM-80, EGM-100, EGM-130, EGM-200, EGM-300, EGM-500 and EGM-700**
- (5) Manufacturer: **Venture Industries Sp. z o.o**
- (6) Address: **UL. Mokra 27, 05-092 Lomianki-Kielpin, Poland**
- (7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 test report number 2105434.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- |                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| <b>EN 14986 : 2007</b>   | <b>EN 13463-1 : 2001</b> | <b>EN 13463-5 : 2003</b> |
| <b>EN 60079-0 : 2006</b> | <b>EN 60079-1 : 2007</b> | <b>EN 60079-7 : 2007</b> |
| <b>EN 61241-0 : 2006</b> | <b>EN 61241-1 : 2004</b> |                          |
- (10) 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) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment shall include the following:



**II 2 G Ex c e IIB T3, T4 or Ex c d IIB T3, T4 or Ex c d e IIB T3, T4**  
**II 2 D Ex tD A21 IP 6X T 125 °C**

This certificate is issued on 14 November 2007 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.

H.J.G. de Wild  
Certification Manager



(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 06ATEX0094**

**Issue No. 2**

(15) **Description**

The Fans Types EGM-80, EGM-100, EGM-130, EGM-200, EGM-300, EGM-500 and EGM-700 are steel fans with a certified three-phase motor mounted on a frame and intended for fixed installation.

Ambient temperature range -20 °C to +40 °C.

Gas temperature range -20 °C to +60 °C.

**Electrical data**

The electrical data for each fan type must be taken from the EC-Type Examination Certificate and installation instruction of the used motor.

**Installation instructions**

The instructions of the manufacturer must be followed in detail to assure proper and safe operation of the equipment.

(16) **Test Report**

KEMA No. 2105434.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Assured by compliance with the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 2105434.

**Test Report No. 2091703**

**FAN TYPES EGM-80, EGM-100, EGM-130, EGM-200,  
EGM-300, EGM-500 AND EGM-700**

Laboratory: **KEMA Quality B.V.**  
**Utrechtseweg 310**  
**6812 AR Arnhem**  
**The Netherlands**

By order of: **Venture Industries Sp. z o.o**  
**UL. Mokra 27**  
**05-092 Lomianki Kielpin**  
**Poland**

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Author	: E. ter Haar	9.11.2007	Reviewer	: L. van Schie	9.11.2007
Number of pages	: 4		KEMA project no..	: 2105434-QUA/Ex	

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KEMA Quality B.V. and/or its associated companies disclaim liability for any direct, indirect, consequential or incidental damages that may result from the use of the information or data, or from the inability to use the information or data.

This Test Report contains the test results related to the sample(s) tested. The tests results cannot be used for any statement related to the quality of the equipment from running production.

## 1 Standards applied

Samples of the equipment as described under (2) below were subjected to the requirements and tests of the following standards:

EN 14986 : 2007  
EN 13463-1 : 2001  
EN 13463-5 : 2003  
EN 60079-0 : 2006  
EN 60079-1 : 2007  
EN 60079-7 : 2007  
EN 61241-0 : 2006  
EN 61241-1 : 2004

The assessment of the equipment was conducted from March to October 2007.

## 2 Description of the equipment under test

Fan Types EGM-80, EGM-100, EGM-130, EGM-200, EGM-300, EGM-500 and EGM-700 are a steel fan with a certified three-phase motor mounted on a frame intended for fixed installation.

Ambient temperature range -20 °C to +40 °C.

Conveyed fluid temperature range -20 °C to +60 °C.

## 3 Marking of the equipment



II 2 G Ex c e IIB T3, T4 or Ex c d IIB T3, T4 or Ex c de IIB T3, T4  
II 2 D Ex tD A21 IP 6X T 125 °C

## 4 Test documentation

EC-Type Examination Certificate	KEMA 03ATEX2178
	KEMA 03ATEX2180
	KEMA 02ATEX2136
	KEMA 02ATEX2138
	KEMA 02ATEX2142
	DMT 01ATEX E 014 X
	PTB 01ATEX1093
	Baseefa 02ATEX0013 X
	Baseefa 02ATEX0014 X
	Baseefa 02ATEX0015 X
	Baseefa 02ATEX0016 X
	Baseefa 02ATEX0019 X
	Baseefa 02ATEX0020 X



	<u>dated</u>
Index list:	
EGM-80 2GD c EExe II T3 ATEX	12.06.2007
EGM-100 II 2D c T125 IP6x ATEX	12.06.2007
EGM-100 2G-D c EExe II T3 ATEX	12.06.2007
EGM-130 2G-D c EExe II T3 ATEX	12.06.2007
EGM-200 2GD c EExe T3 T125 ATEX	12.06.2007
EGM-200 II 2D T125 C ATEX	12.06.2007
EGM-300 2GD c T3 EExe de IIC ATEX	12.06.2007
EGM-300 2G c T4 EExde de IIC ATEX	12.06.2007
EGM-500 2D c DIP T 125 ATEX	12.06.2007
EGM-500 2GD c EExe II T3 T125 A	12.06.2007
EGM-700 2D c DIP II T125 ATEX	12.06.2007
EGM-700 2G c EExde IIc T4 ATEX	12.06.2007
EGM-700 2GD c EExe II T3 T125 A	12.06.2007
EGM-700 2G c EExde II T4 T125 A	12.06.2007
EGM range motor types	12.06.2007
EGM range-minimal distance (2 pages)	12.06.2007

## 5 Instructions for installation and use

The manual provided with the equipment shall be followed in detail to assure proper and safe operation.


## 6 Test results

The detailed test results are laid down in confidential file no. 2091703 and 2105434. There were no deviations from, additions to or exclusions from the applicable test methods as described in the standards mentioned under (1) above. Where applicable, the estimated uncertainty of measurement meets the requirements of IECEx Operational Document OD012.

## 7 Conclusion

The equipment as described under (2) above met all applicable requirements of the standards as mentioned under (1) above. Certification of this equipment is therefore recommended.

Author:



Erwin ter Haar

Reviewer:



Leo van Schie

END OF TEST REPORT