



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx LCI 10.0037X issue No.:1

Certificate history:
Issue No. 1 (2011-5-17)
Issue No. 0 (2010-11-9)

Status: **Current**

Date of Issue: 2011-05-17 Page 1 of 4

Applicant: **ELNOR MOTORS**
De Costerstraat 45
B 3150 Haacht (Wespelaar)
Belgium

Electrical Apparatus: **Three-phase and single-phase asynchronous motors, type : BA2xy...**
Optional accessory:

Type of Protection: **Flameproof 'd'**

Marking: **ELNOR MOTORS**
Address : ...
Type : BA2xy...
Ex d IIB T4 to T3
Serial number : ...
IECEX LCI 10.0037X
-40°C ≤ Ta ≤ +70°C
WARNINGS
- DO NOT OPEN WHEN ENERGIZED
- AFTER DE-ENERGIZING, DELAY Y MINUTES BEFORE OPENING (1)
- CABLE ENTRY TEMPERATURE : ...°C (1)
UN = .. ; IN = .. ; PN = ... ; F = ... ;
W = ... ; cosφ = ... (*)
(1) Defined by the thermal protection (See table)
(*) See general characteristics

Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUX

Position:

Certification Manager

Signature:
(for printed version)



17 MAI 2011

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France



L C I E



IECEX Certificate of Conformity

Certificate No.: IECEx LCI 10.0037X

Date of Issue: 2011-05-17

Issue No.: 1

Page 2 of 4

Manufacturer: **ELNOR MOTORS**
De Costerstraat 45
B 3150 Haacht (Wespelaar)
Belgium

Manufacturing location(s):

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 electrical apparatus 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 : 2004 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition: 4.0

IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

*This Certificate **does not** indicate compliance with electrical 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 Report:

[FR/LCI/ExTR10.0040/01](#)

Quality Assessment Report:

[FR/LCI/QAR06.0007/03](#)



IECEx Certificate of Conformity

Certificate No.: IECEx LCI 10.0037X

Date of Issue: 2011-05-17

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

DESCRIPTION :

Three-phase and single-phase asynchronous flameproof motors 2 to 12 poles series BA 2xy...

(*) GENERAL CHARACTERISTICS :

- General characteristics for single-phase asynchronous motors :

$U_N = 220-240V$; $I_N = 3A$; $P_N = 0,370kW$; $F = 50/60Hz$; $W = 2850rpm$; $\cos\phi = 0,8$

- General characteristics for three-phase asynchronous motors :

$U_N = 400V$; $I_N = 1,1A$; $P_N = 0,370kW$; $F = 50/60Hz$; $W = 2850rpm$; $\cos\phi = 0,8$

Relay 230V AC

ROUTINE VERIFICATION AND TEST :

- For type BA 2xy TR II (or three-phase) : Each single enclosure shall be submitted to overpressure test at 9,12 bar, according to paragraph 16.1 of IEC 60079-1 standard.

- For Type BA 2xy CP II (or single phase) : Each single enclosure shall be submitted to overpressure test at 13,44 bar, according to paragraph 16.1 of IEC 60079-1 standard.

CONDITIONS OF CERTIFICATION: YES as shown below:

Thermal protection location	Switch off thermal protection in °C	Temperature at the entry point cable in °C	Temperature Class	Delay Y minutes before opening
WINDING	135	75	T4	5
			T3	no
	150	84	T4	10
			T3	no
ENDSHIELD / BEARING	120	96	T4	10
			T3	no
	135	90	T4	20
			T3	no



IECEx Certificate of Conformity

Certificate No.: IECEx LCI 10.0037X

Date of Issue: 2011-05-17

Issue No.: 1

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 : Modifications of temperature class with time delay (See table page 3)