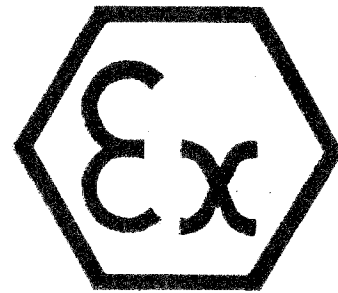





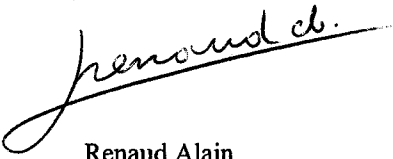
Institut Scientifique de Service Public



- (1) **EC TYPE EXAMINATION CERTIFICATE**
- (2) **Equipment or protective system intended for use
in potentially explosive atmospheres
Directive 94/9/EC**
- (3) EC type examination certificate number: **ISSeP03ATEX130**
- (4) Equipment :
Motor - Series A * 135 * * *
- (5) Applicant – Manufacturer :
ELNOR MOTORS N.V.
- (6) Address: De Costerstraat 45
3150 Haacht (Wespelaar)
- (7) This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) ISSeP, notified body n° 492 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system 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 report n 03085.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014:1997 + A1 et A2: 1999 EN 50018:2000 + A1 : 2002
- (10) If the symbol "X" is placed after the certificate number, it indicates that the equipment or protective system 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 or protective system in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following indications:
 II 2 G
EEx d IIB T4

Colfontaine, the 26.11.2003

INSTITUT SCIENTIFIQUE DE SERVICE PUBLIC
Zoning A. Schweitzer - B7340 Colfontaine (Wasmès)
Tél: ++ 32 65 610811 – Fax: ++ 32 65 610808


Renaud Alain
Manager of Colfontaine division

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP03ATEX130

(15)

Description of the equipment :

Single phase or three-phase asynchronous motor .

The flameproof enclosure of this motor consists of a carcass and end shields made of aluminium alloy.

This motor is equipped with a terminal box compartment.

This apparatus bears the type designation A * 135 * * *

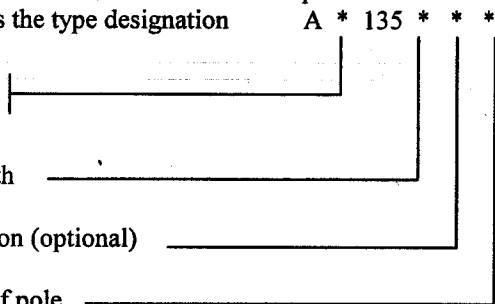
T : three phase

M : single phase

S, M, L : stack length

V: external ventilation (optional)

2, 4, 6, 8 : number of pole



Electrical characteristics

Power range : up to 1800 W

Voltages supply : from 24 to 660 VAC - 50 / 60 Hz

Insulation class :F

Eventual prescriptions

Ambient temperature range: -30°C up to +50°C

The motors on duty S2 to S9 or energised by a frequency converter or naturally cooled shall be provided with a thermal protection or PTC thermistance suitable with the temperature class T4 - to see document of the manufacturer Ref.: ES:3018

Routine test

Each apparatus shall be submitted to the routine verifications and tests necessary to ensure that it complies with the specification submitted to the testing station with the prototype.

(16)

Report n^f 03085 dated 24.11.2003 composed in total of 20 pages

The manual of instructions of the manufacturer of 5.09.2002 signed on 17.04.2003 (5 pages)

The letters of the manufacturer Ref.:ES:3018 of 17.04.2003 (3 pages) and ES:3042 of 13.11.2003 (2 pages)

The technical notes related to the thermal protections (26 pages)

The document Table no MIS/E-4d related to the insulation system of the motor dated October 1994 - Rev. May 2001 signed on 17.04.2003

The data related to the self-adhesive marking plate - document signed on 12.11.2003 (1 page)

The data related to the material of the marking plate - documents signed on 17.04.2003 (4 pages)

The data sheets related to the parts of the flameproof enclosure dated 16.04.2003 Rev. 2 of 12.11.2003 - signed on 12.11.2003 (4 pages).

The data sheets related to the mechanical and electrical tests performed on the motor AT135MV2 signed on 17.04.2003 (2 pages)

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP03ATEX130

The drawings:

55500 du 15.11.1989 signed on 17.04.2003
110323116 du 31.03.2003 signed on 17.04.2003
110323121 du 31.03.2003 signed on 17.04.2003
110323125A Rev.A of 14.10.2003 signed on 16.10.2003
110323127B Rev.B of 12.11.2003 signed on 12.11.2003
110323144A Rev.A of 14.10.2003 signed on 16.10.2003
110323146B Rev.B of 12.11.2003 signed on 12.11.2003
220450410B Rev.B of 12.11.2003 signed on 12.11.2003
220450413A Rev.A of 12.11.2003 signed on 12.11.2003
220450414A Rev.A of 12.11.2003 signed on 12.11.2003
220450415A Rev.A of 12.11.2003 signed on 12.11.2003
240000414A Rev.A of 12.11.2003 signed on 12.11.2003
460402530 of 1.04.2003 signed on 17.04.2003
510423116A Rev.A of 12.11.2003 signed on 12.11.2003
510423121A Rev.A of 12.11.2003 signed on 12.11.2003
510423125B Rev.B of 12.11.2003 signed on 12.11.2003
510423144B Rev.B of 12.11.2003 signed on 12.11.2003
510423145B Rev.B of 12.11.2003 signed on 12.11.2003
510423169B Rev.B of 12.11.2003 signed on 12.11.2003
510433138 signed on 17.04.2003
801351000 of 10.04.2003 signed on 17.04.2003
811351001 of 15.04.2003 signed on 17.04.2003

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements: covered by the standards as listed at point 9 and the descriptive documents from the manufacturer.