



L C I E



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 07.0001 issue No.: 0 History:

Status: **Current**

Date of Issue: 2007-01-12 Page 1 of 3

Applicant: **ABB Oy, Motors**
Strömbergin Puistotie 5A
P.O. Box 633
65101 VAASA
Finland

Electrical Apparatus: **M3GP80-450 & M3LP400-450 series, 13 cage induction motor types**
Optional accessory:

Type of Protection: **Non sparking Ex nA and dust protection Ex tD.**

Marking: **Ex nA II T3, Ex tD A21/A22 T125**

Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUX

Position:

Ex Certification Manager

Signature:
(for printed version)

Date:

12 JAN. 2007

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.

Certificate issued by:

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



L C I E



L C I E



IECEx Certificate of Conformity

Certificate No.: IECEx LCI 07.0001

Date of Issue: 2007-01-12

Issue No.: 0

Page 2 of 3

Manufacturer: **ABB Oy, Motors**
Strömbergin Puistotie 5A
P.O. Box 633
65101 VAASA
Finland

Manufacturing location(s):

ABB Oy, Motors
Strömbergin Puistotie 5A
P.O. Box 633
65101 VAASA
Finland

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 manufacture'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 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-15 : 2005-03 Edition: Ed 3	Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR07.0001/00

Quality Assessment Report:

FR/LCI/QAR07.0001/00



L C I E



IECEx Certificate of Conformity

Certificate No.: IECEx LCI 07.0001

Date of Issue: 2007-01-12

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Motors M3GP 80 ...450, M3LP 400, M3LP 450, non sparking Ex nA , IP5X and IP6X.

Motors M3GP 80 ...450, M3LP 400, M3LP 450, dust protected Ex tD A21(**)/A22, IP5X and IP 6X

DESCRIPTION :

Network voltage supply : between 190 V and 800 V for shaft height 80-250

Network voltage supply : between 190 V and 1000 V for shaft height 280-450

Maximum nominal voltage with converter : 690 V

Voltage tolerances according to :

- IEC 60034-1 ($\pm 5\%$) for motors stamped in multivoltages use (e.g. : 380 V - 420 V)

- IEC 60038 ($\pm 10\%$) for motor stamped in single voltage use (e.g. : 400 V /690 V).

Frequency : 50 Hz or 60 Hz or variable frequency

Duty : S1

CONDITIONS OF CERTIFICATION: NO