



国家防爆

Electrical Apparatus for Explosive Atmospheres

# CERTIFICATE OF CONFORMITY

Cer No. CNEx13.1701X

**Applicant** ABB Oy Motors and Generators Helsinki  
Strombergintie 1 FI-00380 Helsinki Finland

**Name of Product** Electrical motors (High voltage)

**Type of Product** HXR400

**Marking** ExnAIIIT1-T4 Gc / DIP A22 TA 120°C IP55

**Standard** —

**Drawing No.** 3AFP5304212

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB 3836.1-2010 Explosive atmospheres Part 1:  
Equipment-General requirements

GB3836.8-2003 Electrical Apparatus for Explosive Gas atmospheres - Part 8:  
Type of protection "n"

GB 12476.1-2000 Electrical apparatus for use in the presence of combustible dust-  
Part 1-1: Electrical apparatus protected by enclosures and surface temperature  
limitation- Specification for apparatus

**Note** See Annex

**Valid Date** From Feb 20, 2013 to Feb 19, 2018

**Issue Date** Feb 20, 2013

**Director**



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE  
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China

Tel: 0377-63258564 Fax: 0377-63208175 [Http://www.china-ex.com](http://www.china-ex.com)

Note: This certificate is only valid for the products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).

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1. The Certificate covers the following products:

Rated voltage:  $>1\text{kV}$ ,  $\leq 7.3\text{kV}$ , 2-12P, rated power up to 700kW.

Rated frequency 50,60Hz, the duty type of the motors shall be S1 or S2.

2. The motors may be indicated to be used in ambient temperature other than  $-20\sim 40\text{ }^{\circ}\text{C}$ , the ambient temperature range should be listed in the nameplate.

3. The certificate covers also the following frequency converter drives with converter types ACS 6xx, ACS 8xx, ACS 5xxx, ACS2xxx and ACS1xxx manufactured by ABB Group Ltd.

1) Squared torque drive and

2) Drives featuring constant torque up to the field weakening point, or/and constant power in speed range above the field weakening point, presuming that the main motor is equipped with a separate (Ex-certified) fan motor or the stator windings are equipped with detectors for temperature control.

All the manufacture's instructions concerning the speed range and the torque restrictions shall be followed.

Issue Date

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