

Addendum to the Declaration of Conformity for variable speed application

Low voltage motors of protection types Ex ec and Ex t driven by ABB frequency converters of series ACS800 or ACS880 with DTC control / ACS550 / ACS580 / ACH580 / ACQ580

Asynchronous motors of type designation M3GP or M3DP and of voltage range 220V - 690 V

Marking of motors: CE II 3G  / 3D / 3GD or CE0081 II  2D

are certified to be driven with frequency converters of type ABB ACS800 / ACS880 / ACS550 / ACS580 / ACH580 or ACQ580 if the following conditions are met:

Instructions for safe installation and start-up:

The reference of the type examination certificate corresponding to the motor is indicated in the EC declaration of conformity delivered with the motor.

The certificate includes the statement:

"Motors used in frequency converter supply and S9 duty are acceptable under the following conditions:

- *Fixed 2nd name plate with converter and load data provided*
- *Converter of type ACS550, ACS580, ACH580, ACQ580, ACS800, ACS880 or a comparable converter in reference to the output voltage and current specifications."*

as well as the following special conditions for safe use:

"In case of use with a frequency converter, the motor may be equipped with embedded thermal sensors to ensure the insulation class. The surface temperature may also be protected by embedded sensors for type of protection Ex t.

Manufacturers instructions for safe use with a converter shall be followed. "

Thus, we can hereby confirm the conformity of ABB ATEX certified motors M3GP driven by ACS800 / ACS880 / ACS550 / ACS580 / ACH580 / ACQ580 drives to the applicable ATEX Directives under the following conditions:

1. The applicable instructions for installation and start-up in the manual Low Voltage Motors for explosive atmospheres must be followed.
2. The applicable instructions for dimensioning and loadability of the catalogue Motors for explosive atmospheres or of other instructions given by ABB must be followed.
3. The installation, start-up and operation of the frequency converter must be carried out according to the manuals of the specific converter.
4. A rating plate for frequency converter operation is fixed on the motor with the converter and load data. The end user shall ensure that the application data is respected.

Signed for and on behalf of:

ABB Oy, Motors and Generators

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Vice President

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