



EC DECLARATION OF CONFORMITY

acc. to ATEX-Directive 94/9/EG (ATEX 95)
for three-phase cage motors with type of explosion protection "tD"
dust explosion protected for Zone 22

B 320.1100-12 E Rev.: 03/05 EE-gr/ef

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Three-phase cage motors of type series

D.XS04, D.XS05, D.XS06, D.XS07, D.XS08, D.XS09, D.XS11, D.XS13, D.XS16, D.XS18
of special design with dust explosion protection EEx tD T<160 °C

optionally with built-on brake and / or tacho generator, back stop, integrated frequency converter

comply with the requirements of the following European Directive(s) in their latest version

94/9/EG

Directive of the European Parliament and the Council on the approximation of the laws of the Member States concerning equipment and protective systems intended for use in potentially explosive atmospheres

proved by compliance with the following standards and regulations:

"Electrical apparatus for use in the presence of combustible dust"

EN 50281-1-1 Electrical apparatus protected by enclosures; construction and testing

EN 61241-0 General requirements (currently in the draft state)

EN 61241-1 Protection by enclosures "tD" (currently in the draft state)

Notes:

The maximum surface temperature of the enclosure (related to ambient temperature 40 °C) is well below 160 °C.

The drive units can be used in areas with combustible dusts having a

ignition temperature of a cloud > 240 °C

ignition temperature of a 5 mm layer > 235 °C.

Converters for installation in Zone 22:

Integrated Danfoss converters of type series Eta-K resp. FCD 300 or

separate converters of type series FCD 300 marked "EEx II 3D"

Converters for installation outside classified areas:

Converters of Danfoss type series VLT; 2800; 5000; 6000; FCD 300; FC 300.

Converters of other make shall comply with the requirements of BAUER Operating Instructions 170 03 E

Installer and user must observe installation rules EN 50281-1-2 resp. prEN 61241-14 such as:

- Electrical machines must be protected against unacceptable heating (by a bi-metal overload relay, e.g.).
- In case of inverter duty the motor winding thermistors together with a function tested relay must be used as sole means of overload protection.
- Cable inlets must at least comply with degree of protection IP5X in accordance with EN 60529 in order to be dust protected.

The safety instructions in the documentation attached to the product (e. g. operating instructions) must be followed.

Esslingen, date of the initial edition 01.05.2001

Danfoss Bauer GmbH

i.V. Dipl.-Ing. Eiffler
(Head of EE)

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This declaration certifies the compliance with the indicated directives but implies no warranty of properties.

BAUER geared motors

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