

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.: 11/06 EE-gr/ef

File : KonfErkl_ATEX_tD_Z22_B320_1100_12_EN.doc

Bauer Gear Motor GmbH

Postfach 10 02 08
D-73726 Esslingen
Eberhard-Bauer-Str. 36-60
D-73734 Esslingen
Telefon: (0711) 35 18 0
Telefax: (0711) 35 18 381
e-mail: info@bauergears.com
Homepage: www.bauergears.com

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 II 3D Ex tD T<160 °C

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

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 61241-0:2006 Electrical apparatus for use in the presence of combustible dust: General requirements
EN 61241-1:2004 Electrical apparatus for use in the presence of combustible dust: Protection by enclosures "tD"

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.

Frequency Inverters for installation in Zone 22:

Integrated Danfoss inverters of type series Eta-K resp. FCD 300 or separate inverters of type series FCD 300 marked "Ex II 3D"

Frequency Inverters for installation outside classified areas:

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

Frequency inverters of other make shall comply with the requirements of BAUER Operating Instructions 170..E

Installer and user must observe installation rules EN 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

Bauer Gear Motor GmbH



i.V. Hanel
(Leiter IM)



i.V. Dipl.-Ing. Eiffler
(Leiter EE)

This declaration certifies the compliance with the indicated directives but implies no warranty of properties. The technical documentation is produced and administered by Bauer Gear Motor GmbH

THE GEAR MOTOR SPECIALIST

An Altra Industrial Motion Company

Erfüllungsort und Gerichtsstand: 73734 Esslingen
Sitz: Esslingen-Neckar
Registriergericht: Amtsgericht Stuttgart HRB 736269
Geschäftsführer: Karl-Peter Simon
USt-IdNr.: DE 276650470 · Steuer Nr. 59330/13048

Bankverbindungen:
Kreissparkasse Esslingen (BLZ 611 500 20) Nr. 101551300
BIC/SWIFT: ESSLDE66 IBAN: DE85 6115 0020 0101 5513 00
Commerzbank Esslingen (BLZ 611 400 71) Nr. 700408800
BIC/SWIFT: COBADEFF611 IBAN: DE21 6114 0071 0700 4088 00