

EC DECLARATION OF CONFORMITY

acc. to ATEX Directive 94/9/EG (ATEX 95)
for gear units with type of protection "c" and "k"

B 000.1200-05 E Rev.: 11/06 EE-gr/ef

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Gear units of type series **BG, BF, BK, BS, BM**


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:

Ignition hazard assessment (registered with the Notified Body PTB, Identification-No. 0102) acc. to:

EN 1127:2007	Explosion prevention and protection; Basic concepts and methodology
EN 13463	Non-electrical equipment for potentially explosive atmospheres
EN 13463-1:2001	Basic methods and requirements
EN 13463-5:2003	Protection by constructional safety "c"
EN 13463-8:2003	Protection by liquid immersion "k"

Notes:

Gear units marked  **II 2G c k II T3 / II 2D c k T<160°C / EN 13463-1/ -5 / -8**
may be used in areas with potential hazard by:

- Gas explosions in Zones 1 and 2 (Categories 2 and 3), Temperature Class T3**
Selection of output power, input speed and mounting arrangement as specified by Danfoss Bauer technical staff
- Dust explosions in Zones 21 and 22 (Categories 2 and 3), ignition temperature (layer and cloud) > 240 °C**
for all listed mounting arrangements and input speeds up to 3000 r/min
- Explosions in such Zones by hybrid mixtures** consisting of explosive gas and combustible dust, provided the ignition characteristics of the mixture (e.g. the ignition temperatures) are not more unfavourable than the characteristics of the components of the mixture.

For the motor section of a geared motor a separate Declaration of Conformity applies.

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

Esslingen, date of the initial edition 06.03.2003

Bauer Gear Motor GmbH



i.V. Hanel
(Leiter IM)



i.V. Dipl.-Ing. Nispel
(Leiter R&D)

For areas with **Temperature Class T4 gases and dust with ignition temperature (layer and cloud) >195°C** the selection has been checked for the following parameters:

Gear units marked  **II 2G c k II T4 / II 2D c k T 120°C / EN 13463-1/ -5 / -8**

Type:

ID-No:

Rated output: (kW)

Max. input speed: (r/min)

Mounting arrangement:

Other conditions:

Bauer Gear Motor GmbH
Authorised internal person

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

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