



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.: 05/06 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 Explosion prevention and protection; Basic concepts and methodology
- EN 13463 Non-electrical equipment for potentially explosive atmospheres
- EN 13463-1 Basic methods and requirements
- EN 13463-5 Protection by constructional safety "c"
- EN 13463-8 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

Danfoss Bauer GmbH

i.V. Dipl.-Ing. Kübler
(Head of ME)

i.V. Dipl.-Ing. Fuchs
(Head of QW)

For areas with Temperature Class T4 gases and dust 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:

Danfoss Bauer GmbH
Authorised internal person

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

BAUER geared motors

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