



EU Declaration of Conformity

The Manufacturer: **BARTEC VARNOST d.o.o.**
Cesta 9. Avgusta 59
1410 Zagorje ob Savi
Slovenia

declares under the sole responsibility that the products: 3-phase induction motors

Marking	Motor type	EU-Type Examination Certificate
 II 2 G Ex db IIC T* Gb or II 2 G Ex db eb IIC T* Gb II 2 G Ex db IIB T* Gb or II 2 G Ex db eb IIB T* Gb or II 2D Ex tb IIIC T* C Db	5KT**280*/*	BVS 18 ATEX E 070 X
 I M2 Ex db I Mb or I M2 Ex db eb I Mb	5KT**280*/*	Supplement 1

Notified Bodie (ExNB): 0158, DEKRA Testing and Certification GmbH, Dinnendahlstrasse 9, 44809 Bochum, Germany

are in conformity with provisions of the following Union harmonization legislation:

Directive 2014/34/EU

and with the following standards:

EN 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015, EN 60079-31:2014 and relevant parts of the EN 60034-series of standards.

Directive 2009/125/EC

The motors are in conformity with the requirements set in the Commission Regulation EU 2019/1781 of 25 October 2019 and amendment EU 2021/341 of 26 February 2021 from 1st of July and onwards.

Standards which are applied are EN 60034-2-1:2014 and EN 60034-30-1.

According to the Regulation (EU) 2019/1781 Article 2:

- 2g) explosion-protected motors specifically designed and certified for mining, as defined in Annex I, point 1 of Directive 2014/34/EU of the European Parliament and of the Council, are exempt from the efficiency requirements.
- 2m) motors placed on the market before 1 July 2029 as substitutes for identical motors integrated in products placed on the market before 1 July 2021, and specifically marketed as such, are exempt from the efficiency requirements

Directive 2011/65/EU and with the amending Annex II to this Directive of the Delegated Directive (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment. Technical documentation based on EN IEC 63000:2018

Notes:

The indicated products are intended for fitting into a machine. The conformity of the end product according to the Directive 2006/42/EC and with the provisions of the Directive 2014/34/EU has to be established by the commissioning party when the motor is fitted to the machinery

The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 and 3 of EN 60079-1:2014. For information of the dimensions of the flameproof joints contact the manufacturer.

Motors which have to be equipped with a direct temperature control must be monitored by a separately certified trigger unit.

If the electrical machine will be cooled by forced ventilation, it has to be assured that the electrical machine can only run if the ventilation is running.

Before setting-up operation it has to be ensured that no inadmissible over voltage caused by converter supply may occur at the terminals of the motor.

Clearances and creepage distances inside terminal box do not permit an overvoltage cause by the converter which increase:

- 3.1 x Un for rated voltages ≤ 600V
- 2.04 x Un for rated voltages > 600V and ≤ 1100 V.

In case the motor is equipped with cable glands for interconnection with the terminal compartment they have to be integrated into the periodical inspections and maintenance routines in accordance with EN 60079-17:2013.

The Quality Assurance system certified by Notified Bodies (Ex NB):

1304, SIQ Ljubljana, Mašera Spasičeva ulica 10, SI-1000 Ljubljana, Slovenia

Date: 20.12.2021

Signed by

Title


 Janez Gajski
 QM / ATEX Representative