Motors and electrical equipment Individual solutions are our standard



Development and manufacturing

BARTEC VARNOST has been developing and manufacturing explosion-protected electric motors for over 45 years.

Besides standard solutions in drive technology we also satisfy individual needs from design, development, testing, to certifying and manufacturing.

BARTEC IVARNOST

Your competent electrical motor

The specialists

reliable and

for the future.



partner

Explosion protection

Technical data

- ⟨Ex⟩ II 2G Ex d IIC T4
- ⟨Ex⟩ II 2G Ex de IIC T4
- ⟨€x⟩ II 2D IP 65 T135 °C
- Frame size from 71 to 315 mm
- Power from 0.09 kW to 200 kW
- Standard polarity: 2, 4, 6 in 8

■ Two-speed electric motors

- Voltage: 380 to 415 V/660 to 720 V
- Frequency: 50/60 Hz
- Insulation class: F
- Mechanical protection: IP 54 to IP 68

Motor frame

Explosion protection

- ⟨Ex⟩ II 2G Ex d IIC T4
- ⟨€x⟩ | | 2D | | P 65 | T135 °C
- Gray cast iron: frame size 71 to 250 mm
- Welded frames: frame size 250 to 315 mm
- Modular implementation of frames allows:
- screw-on flanges of various dimensions
- screw-on feet
- rotation of terminal box in intervals
- Ball bearing solidly fixed on AS side

Terminal box

- Choice between Ex d or Ex e terminal box
- Terminal box positioning at 90°, 180° and 270°
- Metric entry threads, Pg, NPT and ISO 7/1
- 12 terminals
- Direct cable entry without terminal box

Additional options

- Temperature sensors: PTC, PTO, Pt100
- Anti-condensation heater
- Temperature class: T5 and T6
- Temperature class: T85 °C for dust
- Insulated bearings starting from a frame size of 180 mm and above
- Additional bearing lubrication
- SPM provision for frame size above 100 mm
- Usage with frequency regulator up to 100 Hz without additional certification
- Additional forced cooling for frequency-regulated drives at low frequencies
- Add-on Ex pulse generator
- Add-on Ex brake
- Special versions for hard working conditions in chemistry
- Ship versions Lloyd's Register Type **Approval Certificate**

The quality of our products and services is our primary concern. The reliability and high technical level of our systems and components have been confirmed by the internationally accredited test institutes which have awarded us numerous certificates.

With the help of the ISO 9001:2000 certificate the system of quality BARTEC VARNOST is recognizable throughout the world and assures quality from the development to the delivery of a product to the customer.

Certificates

- SIQ 11 ATEX Q 220-0
- ISO 9001
- ISO 14001

BARTEC - VARHOST d.c.o.

■ OHSAS 18001



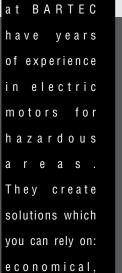




Explosion protection

Decades of experience in explosion-proof and flame-proof construction, not to mention many hundreds of approvals in accordance with national and international standards, from the basis of our expert planning and execution.







4KTC Motor Series for hazardous areas

Certified in accordance with Directive 94/4/EC (ATEX)

Manufactured according to EN 60079 and EN 61241 standards

 $\langle \epsilon_x \rangle$ Moture, enclosures, well-thgear and control tioses, bushings and terminal toxes in type of protection flamearoof enclosure "if", serminal boxes in types of protection increased safety "if", intrinsic safety "if" and protection by enclosure "til" and protection by enclosure "til" and protection. SIQ, Notified body No. 1304 for Annex IV in accordance with Article 9 of the Council Descrive 949EC of 23 March 1994, notifies to the applicant her the actual manufacturer has a production quality system which compliate to the Annex IV of the Direction. This notification is based on the confidential audit report SIG Ex.Q. 11220-0 issued on 7 July 2011. This notification is valid until 16 December 2012 and can be withdrawn if the actual manufacturer no longer statistics to the requirement of Annex IV of the Directive. According to Article 10 (1) of the Directive SHINEC the CE-Marking shall be followed by the identification number 1304 of SIQ as the notified body which is invalved in the production control

SI®

PRODUCTER PLACE OF PRODUCTION Costa V. Arapusta NI SASS Zagorp y R. Sant Santota

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