

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

Technical data

Explosion protection

- II 2G EEx d IIC T4
- II 2G EEx de IIC T4
- II 2D IP 65 T 135 °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 - 415V/660 - 720 V
- Frequency: 50/60 Hz
- Insulation class F
- Mechanical protection IP 54 to IP 68

Motor frame

Explosion protection

- II 2G EEx d IIC T4
- II 2D IP 65 T 135 °C
- Gray cast iron: frame size 71 to 160
- Welded frames: frame size 180 to 315
- Modular implementation of frames allows:
 - screw-on flanges of various dimensions
 - screw-on feet
 - rotation of terminal box in intervals of 90°
- Ball bearing solidly fixed on AS side

Terminal box

- Choice between EEx d or EEx 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, Pt 100
- Anti-condensation heater
- Temperature class T5 and T6
- Temperature class T 85 °C for dust
- Insulated bearings starting from a frame size of 180 and above
- Additional bearing lubrication
- SPM provision for frame size above 100
- Usage with frequency regulator up to 100 Hz without additional certification
- Additional forced cooling for frequency-regulated drives at low frequencies
- Add-on EEx pulse generator
- Add-on EEx brake
- Special versions for hard working conditions in chemistry
- Ship versions Lloyd's Register Type Approval Certificate

Quality

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

- PTB 99 ATEX Q007-1
- ISO 9001: 2000
- ISO 14001
- OHSAS 18001

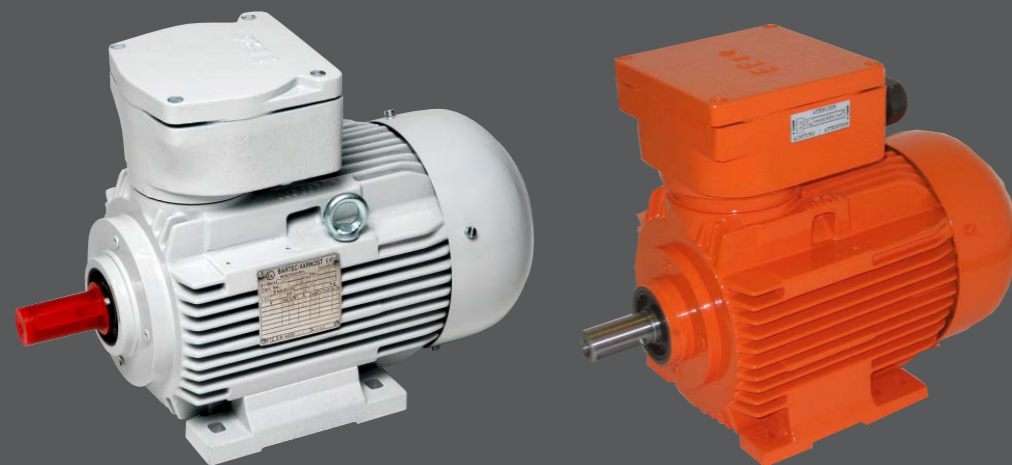
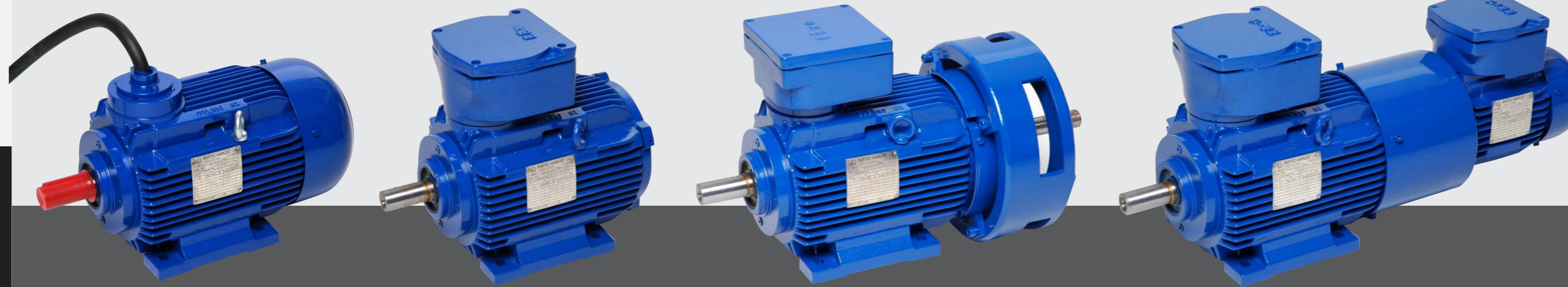


Your competent electrical motor partner.



The specialists

at BARTEC have years of experience in electric motors for hazardous areas. They create solutions which you can rely on: economical, reliable and for the future.



4KTC Motor Series for hazardous areas

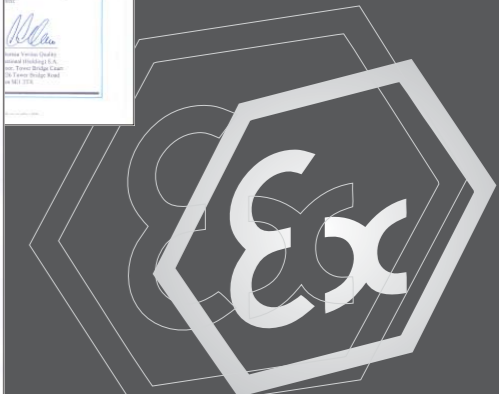
Certified in accordance with Directive 94/4/EC (ATEX)

Manufactured according to EN 50014, EN 50018 and EN 50019 standards



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.



Motors and Electrical Equipment

BARTEC develops and manufactures motors and electrical equipment for safe and reliable solutions in power, lighting and control applications.

Our product range

- Electric motors
- Special electric motors
- Mining equipment
- Installation material
- Lightning
- Engineering and service

All our products can be supplied for hazardous areas.



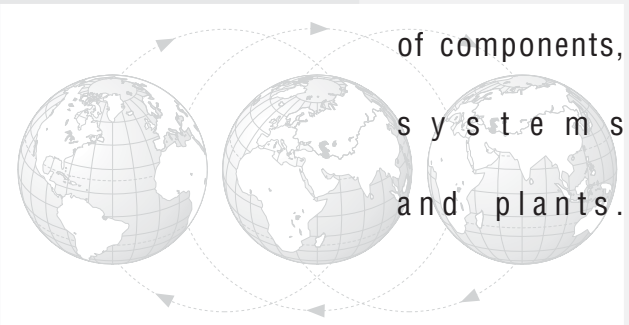
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BARTEC protects
people and
the environment
by the safety

of components,
systems
and plants.



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