



KONČAR
KONČAR - MES d.d.

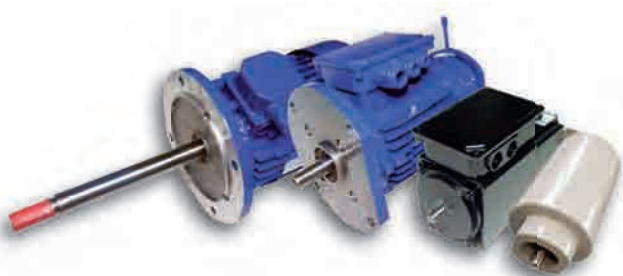


***EUROPEAN EXCELLENCE
IN CUSTOMIZED PRODUCTS***



THREE PHASE ELECTRIC MOTORS - AZ SERIES

- IEC standards
- Series 5AZ 56-160 aluminum housing
7AZ 112-315 cast iron housing
- Power range: 0,06-160 kW
- Multi-speed motors
- IE2/IE3 - increased efficiency
- Marine design motors with or without brake
- Fan rated motors
- IP55 protection index as standard



NEW! IE2 - increased efficiency electric motors



ADDITIONAL OPTIONS

- Other voltages and frequency
- Special flanges and shafts
- Special terminal box mounting arrangements (or without terminal box)
- Special design according to customer request
- IP56, 65 and 66 mechanical protection index
- Thermal protection
- Insulation class H (stand. F)
- Tropicalized winding
- Winding heaters
- Different types of cooling
- Other sensors and monitoring devices
- Other duty types: S2 - S10

BRAKE ELECTRIC MOTORS - AZK SERIES

- Series 5AZK 63-160 aluminum housing
7AZK 180-315 cast iron housing
- Own production of electromagnetic brakes up to 800 Nm
- Bronze disk hub (for complex drives)
- Available in marine design

SINGLE PHASE ELECTRIC MOTORS

- Series 5AZC 63-100 run capacitor
5AZCD 71-100 run and working capacitor
- Power range: 0,12-2,5 kW
- 2, 4 and 6 pole (3000, 1400 and 900 rpm)
- Other design options



ISO 9001

BUREAU VERITAS
Certification



ISO 14001

BUREAU VERITAS
Certification



EXPLOSION - PROOF ELECTRIC MOTORS

- IEC standards
- ATEX certificate:
 - ATEX certificates for EU
- IEC EX certificates

Protection index:	
Ex d(e) I	mining – surface
Ex de IIC / Ex d IIC	explosion proof enclosure
Ex e II	increased safety
Ex nA II	non sparking devices
Ex tD A21/A22	areas protected against dust explosion in zones 21 and 22

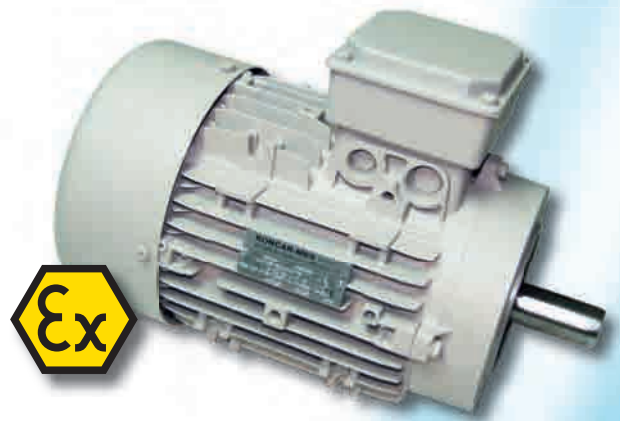


PROTECTION ENCLOSURE “d” - AT SERIES

- Aluminum or cast iron housing (size up to IEC 315)
- Power: up to 160 kW
- Protection:
 - ATEX II 2G Ex d(e) IIC T4/T3
 - ATEX II 2GD Ex d(e) IIC T4/T3; Ex tD A21 IP65(6) T135°C
 - ATEX II 2G Ex d(e) IIB T3; II 2D Ex tD A
 - ATEX I M2 Ex d(e) I
- Available in marine design and with brake
- Frequency inverter driven (5-87 Hz)

INCREASED SAFETY “e” - AZS SERIES

- Up to IEC 112 size in aluminum housing
- Power: up to 3,6 kW
- Protection:
 - ATEX II 2G Ex e II T3, T4
 - ATEX II 2D Ex tD A21 IP65(6) T135°C, T200°C
 - ATEX II 2GD Ex e II T3, T4 Ex tD A21 IP66 T200°C, T135°C
- Zones 1 and 2 (for gases only)
- 3000 or 1400 rpm



NON SPARKING DEVICES “n” FOR ZONES 2 and 22 - AZN SERIES

- Sizes 56-315 (aluminum or cast iron housing)
- Protection:
 - ATEX II 3G Ex nA II T3, T4;
 - ATEX II 3D Ex tD A22 IP5x (IP6x) T120 °C
 - ATEX II 3GD Ex nA II T3, T4 Ex tD A22 IP5x (IP6x) T120°C
- Power up to 160 kW
- For dust and gases
- Available in marine design



Certificates



ISO 9001:2000



ISO 14000:2004



BV Mode 1
Survey Scheme



BV type
certificate



RINA Scheme 2 electrical motors
and drives up to 100 kW



CESI type
certificate



CESI product
quality assurance



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