ATB TAMEL

After 70 years of presence on the market and with strong Brook Crompton product brand we are one of Europe’s leading suppliers of electric motors. With extensive staff base, modern machinery and supported by factories from our international Wolong Group, we are ready to cover all your demands for electric drives.

WE OFFER:

- Low voltage AC motors up to 1140V
  (need more, no problem – we can get you MV & HV motors, as well as DC motors from other ATB or Wolong factories)

- Aluminium and cast iron frame
  (light and economic design / massive, durable construction – all available)

- Safe and hazardous area Exdb/eb, Exe, Exdb I M2, DIP
  (wide range of variants: IIA,IIB,IIC / T3,T4,T5)

- Energy efficient product
  (IE3, IE4 class, Nema Premium)

- Single and three phase motors

- Variable speed motors
  (designed for frequency inverter)

- Special design and application
  (smoke extraction motors, cranes, wood saws, marine motors... ask what you need)

- Aluminium and cast iron foundry
  (need cast parts, components – just send us an inquiry)

- Professional test room and laboratory
  (witnessed routine and special tests available, third-party certification, etc.)
SAFE AREA MOTORS

- IEC Frames 63-180 (aluminium housing), 80-355 (cast-iron housing)
- Efficiency class: IE3, IE4, Nema Premium
- Speed/power range: 2-8 poles / 0.18 – 400kW (2-speed and other on request)
- Voltage: up to 750V
- Multi-mount construction (B3, B5, B14, B30 and other)
- IEC and Nema standards
- Certification available: UL/CSA, MEPS, ARAMCO, EAC
- Degree of protection: IP55, IP56, IP65, IP66, IP67, IP68
- Ambient temperature: -55 / +100°C (depending on frame material)
- Cooling: IC411, IC418, IC416, IC410
HAZARDOUS AREA MOTORS

FLAMEPROOF EXDB/EB

- Exdb, zone 1, group II A6 IIB, temp. class T3, T4, T5 (e.g. Ex II 2G Ex db IIB T4 Gb)
- Exdb zone 1, group II A6 B, IIC, temp. class T3, T4 (e.g. Ex II 2G Exdb eb IIC T3 Gb)
- mining motors Ex M2 Ex db I Mb
- Frame size 90-315
- Speed/power range: 2-8 poles / 0.18 – 200kW
- Voltage: up to 1140
- Mounting options (B3, B5, B14, B30 and other)
- IEC standards. Basefa certification available on demand
- ATEX / IECEX certification
- Degree of protection: IP55, IP56, IP65, IP66
- Ambient temperature -55 / +60°C

INCREASED SAFETY EXE

- Zone 1, group II, temp. class T3
- Frame size 80-355 Speed/power range:
  2-8 poles / 0.37 – 260kW
- Voltage: up to 750V
- Multi-mount construction (B3, B5, B14, B30 and other)
- IEC standards. Basefa certification available on demand
- ATEX / IECEX certification
- Degree of protection: IP55, IP56, IP65, IP66

NON-SPARKING EXNA

- Zone 2, group II, temp. class T3
- Frame size 80-355
- Speed/power range: 2-8 poles / 0.18 – 400kW
- Voltage: up to 750V
- Multi-mount construction (B3, B5, B14, B30 and other)
- IEC standards. Basefa certification available on demand
- ATEX / IECEX certification
- Degree of protection: IP55, IP56, IP65, IP66
- Ambient temperature -55 / +60°C
SPECIAL DESIGN MOTORS

SMOKE EXTRACTION DUTY MOTORS - FUMEX®

- IEC Frames 80-355 in cast-iron housing
- IEC Frames 80-180 in aluminium housing (up to F300)
- Speed/power range: 2-8 poles / 0.18 – 400kW
- Multi-mount construction (B3, B5, B14, B30 and other)
- Degree of protection: IP55, IP56, IP65, IP66
- Temperature class: F200, F250, F300, F400
- Certified to EN 12101-3:2015 standard

WOODWORKING MACHINES / CIRCULAR SAW MOTORS

- IEC Frames 63-75 in aluminium housing
- Speed/power range: 2 poles / 1.0 – 6.5kW / S6-40% duty
- Voltage: up to 690V
- Mounting options B3-foot mounted
- IEC standard
- Degree of protection: IP55, IP56
- Ambient temperature -20 / +40°C
- Cooling: IC411

CUSTOMIZED DESIGNS

- Brake motors – AC & DC brakes
- Forced ventilated motors IC416
- Marine motors (to LRS, BV, ABS, DNV, RINA, NKK and other)
- Motors to be built on (stator and rotor units)
- Motors fitted with accessories: encoders, glands, thermal sensors, etc.
### SIZE 80-180 ALUMINIUM & CAST IRON FRAMES IE3 MOTORS AVAILABLE

<table>
<thead>
<tr>
<th>Power at 50Hz [kW]</th>
<th>2 pole</th>
<th>4 pole</th>
<th>6 pole</th>
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### SIZE 200-355 CAST IRON FRAMES IE3 MOTORS AVAILABLE

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PAINTING SYSTEMS

NORSOK STANDARDS

NORSOK standards are among the most accepted and proved standards in international use. They are a series of standards developed by the Norwegian petroleum industry in order to remove unnecessary activities in the offshore field development and operation, reduce cost, add value as well as to replace the individual oil company specifications. The system ensures optimal protection and safety with a minimum maintenance need.

NORSOK M-501 NO. 1 SYSTEM FOR HIGHLY CORROSIVE ENVIRONMENT

For carbon steel operating below 120°C. This covers structural steel, exteriors of equipment, vessels, piping and uninsulated valves.

- Total DFT: 280 µm
- Corrosion resistance: class C5 (M/I) H to ISO 12944-5

NORSOK M-501 2B SYSTEM FOR LONGEST DURABILITY

For carbon steel operating above 120°C. This covers insulated surfaces, vessels, piping, flare and crane booms. 2B system consists of 100 µm thermally sprayed zinc or alloys of zinc – top coated with a coating system.

- Total DFT: 345 µm
- Corrosion resistance: class C5 (M/I) H to ISO 12944-5

C5 I/M “OFFSHORE 2” SYSTEM FOR HIGHLY CORROSIVE INDUSTRIAL & MARINE ENVIRONMENTS

This system is characterized by a very high resistance to chemicals and salt as found in onshore industrial areas as well as to saltwater exposure in deep-sea offshore installations. It is resistant to scratches and impact.

- Total DFT: 350 µm
- Corrosion resistance: class C5 (M/I) H to ISO 12944-5
- Temperature resistance: 120°C

ARAMCO 1B FOR SAUDI ARABIAN MARKET

This system is characterized by excellent weathering and abrasion resistance. It is recommended for all unimmersed areas with severe atmospheric exposure including exposure to many acids and alkalis. It is suitable for a wide range of industrial structures. Low flame spread certificate according to IMO/Solas directive Grain.

- Total DFT: 275 µm
- Corrosion resistance: class C5 (M/I) H to ISO 12944-5
- Temperature resistance: 120°C
OUR APPROVALS

UL/CSA motor certificates according to North American Standards

NORSOK M-501 coating system no.1 and system 2B available

Latest EX products certification for CU market

China Energy Label

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