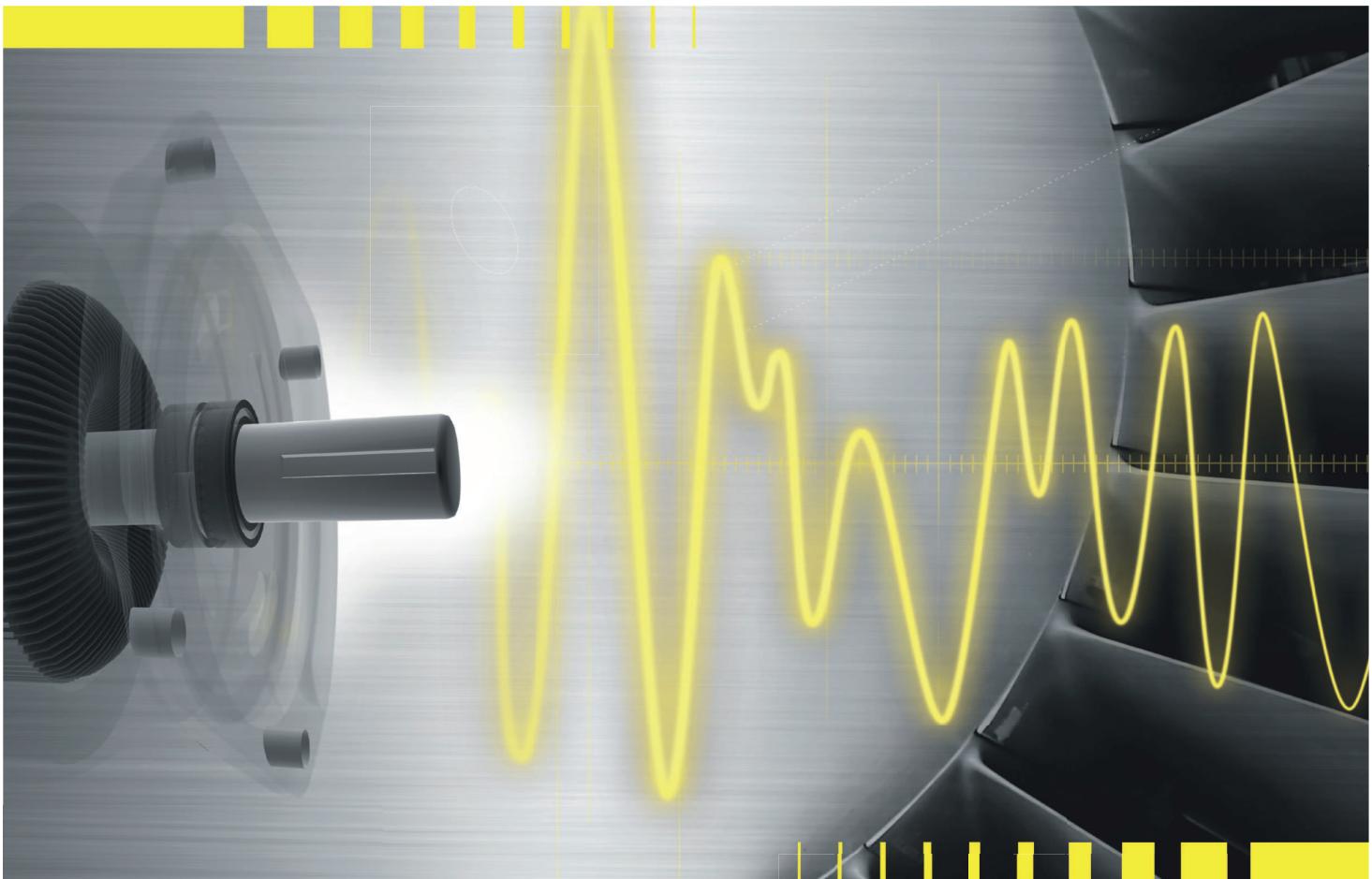


ATB TAMEL PRODUCT RANGE



*Tamel*_{s.a.}

ATB TAMEL PRODUCT RANGE



ATB TAMEL

After 65 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 ATB Group, we are ready to cover all your demands for electric drives.

WE OFFER:

- Low voltage AC motors up to 1100V
(need more, no problem – we can get you MV & HV motors, as well as DC motors from other ATB factories)
- Aluminium and cast iron frame
(light and economic design / massive, durable construction – all available)
- Safe and hazardous area Exd/de, ExNa, Exe, Exd I M2
(wide range of variants: IIA,IIB,IIC / T3,T4,T5)
- Energy efficient product
(IE2,IE3, IE4 class, Nema Premium, MEPS)
- Single and three phase motors
- Variable speed motors
(designed for or fitted with 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: IE2, IE3, IE4, Nema Premium, MEPS
- 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, GOST, ARAMCO, BV
- Degree of protection: IP55, IP56, IP65, IP66, IP67, IP68
- Ambient temperature -55 / +100°C (depending
on frame material)
- Cooling: IC411, IC418, IC416, IC410



SAFE AREA ALUMINIUM MOTOR



SAFE AREA CAST IRON MOTOR

ATB TAMEL PRODUCT RANGE

HAZARDOUS AREA MOTORS

FLAMEPROOF EXd/DE

- Exd, zone 1, group IIA&IIB, temp. class T3, T4, T5
(e.g. Ex II 2G Ex d IIB T4 Gb)
- Exde zone 1, group IIA&B, IIC, temp. class T3, T4
(e.g. Ex II 2G Ex de IIC T3 Gb)
- mining motors Ex I M2 Ex d I Mb
- Frame size 90-315
- Speed/power range: 2-8 poles / 0,18 – 200kW
- Voltage: up to 1100V
- Mounting options (B3, B5, B14, B30 and other)
- IEC standards
- ATEX / IECEX certification
- Degree of protection: IP55, IP56, IP65, IP66, IP68
- 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
- ATEX 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
- ATEX / IECEX certification
- Degree of protection: IP55, IP56, IP65, IP66
- Ambient temperature -55 / +60°C



SPECIAL DESIGN MOTORS

VARIABLE SPEED MOTORS

- IEC Frames 63-132 (aluminium housing), 80-132 (cast-iron housing)
- Speed/power range: 2-4 poles / 0.18 – 7,5kW
- Constant & variable torque
- Multi-mount construction (B3, B5, B14, B30 and other)
- Degree of protection: IP55, IP56, IP65, IP66



SMOKE EXTRACTION DUTY MOTORS - FUMEX®

- IEC Frames 80-355 (cast-iron housing)
- 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 12101-3:2002 standard



WOODWORKING MACHINES / CIRCULAR SAW MOTORS

- IEC Frames 63-75 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 (depending on frame material)
- Cooling: IC411



CUSTOMIZED DESIGNS

- Brake motors - AC & DC brakes
- Forced ventilated motors IC416
- Marine motors (to LRS, BV, ABS, DNV, RINA, NKK and other)
- Single phase motors: 2-4 poles, up to 1,1kW
- Motors to be built on (stator and rotor units)
- Motors fitted with accessories: encoders, glands, thermal sensors, etc.



ATB TAMEL PRODUCT RANGE

SIZE 80-180 ALUMINIUM & CAST IRON FRAMES IE3 MOTORS AVAILABLE

| Power at 50Hz [kW] | 2 pole | 4 pole | 6 pole |  |
|--------------------|--------------------|--------------------|--------------------|---|
| 0,75 | WP-DA(F)80MM IE3 | - | - | |
| 1,1 | WP-DA(F)80MS IE3 | WP-DA(F)90STX IE3 | - | |
| 1,5 | WP-DA(F)90SMX IE3 | WP-DA(F)90LWX IE3 | WP-DA(F)100LRF IE3 | |
| 2,2 | WP-DA(F)90LSX IE3 | WP-DA(F)100LRF IE3 | WP-DA(F)112MWX IE3 | |
| 3 | WP-DA(F)100LMF IE3 | WP-DA(F)100LTF IE3 | WP-DA(F)132MMX IE3 | |
| 4 | WP-DA(F)112MR IE3 | WP-DA(F)112MWX IE3 | WP-DA(F)132STX IE3 | |
| 5,5 | WP-DA(F)132SGX IE3 | WP-DA(F)132STX IE3 | WP-DA(F)132MVX IE3 | |
| 7,5 | WP-DA(F)132SMX IE3 | WP-DA(F)132MVX IE3 | WP-DA(F)160MM IE3 | |
| 11 | WP-DA(F)160MJ IE3 | WP-DA(F)160MR IE3 | WP-DA(F)160LV IE3 | |
| 15 | WP-DA(F)160LR IE3 | WP-DA(F)160LU IE3 | WP-DA(F)180LR IE3 | |
| 18,5 | WP-DA(F)160LT IE3 | WP-DA(F)180ME IE3 | - | |
| 22 | WP-DA(F)180MF IE3 | WP-DA(F)180LM IE3 | - | |

SIZE 200-355 CAST IRON FRAMES IE3 MOTORS AVAILABLE

| Power at 50Hz [kW] | 2 pole | 4 pole | 6 pole |  |
|--------------------|------------------|------------------|------------------|---|
| 30 | WP-UDF200LNX IE3 | WP-UDF200LNX IE3 | WP-UDF225MN IE3 | |
| 37 | WP-UDF200LNX IE3 | WP-UDF225SR IE3 | WP-UDF250MNE IE3 | |
| 45 | WP-UDF225MP IE3 | WP-UDF225MN IE3 | WP-UDF280SNE IE3 | |
| 55 | WP-UDF250MNE IE3 | WP-UDF250MPE IE3 | WP-UDF280MNE IE3 | |
| 75 | WP-UDF280SNE IE3 | WP-UDF280SNE IE3 | WP-UDF315SNE IE3 | |
| 90 | WP-UDF280MNE IE3 | WP-UDF280MNE IE3 | WP-UDF315MNE IE3 | |
| 110 | WP-UDF315SNE IE3 | WP-UDF315SNE IE3 | WP-UDF315MN IE3 | |
| 132 | WP-UDF315MNE IE3 | WP-UDF315MNE IE3 | WP-UDF315LN IE3 | |
| 150 | WP-UDF315MN IE3 | WP-UDF315MN IE3 | WP-UDF355SG IE3 | |
| 160 | WP-UDF315MP IE3 | WP-UDF315MP IE3 | WP-UDF355SG IE3 | |
| 185 | WP-UDF315LN IE3 | WP-UDF315LN IE3 | WP-UDF355SJ IE3 | |
| 200 | WP-UDF315LP IE3 | WP-UDF315LN IE3 | WP-UDF355SP IE3 | |
| 225 | WP-UDF355SG IE3 | WP-UDF355SG IE3 | WP-UDF355MN IE3 | |
| 250 | WP-UDF355SJ IE3 | WP-UDF355SJ IE3 | WP-UDF355MN IE3 | |
| 280 | WP-UDF355SN IE3 | WP-UDF355SN IE3 | WP-UDF355LJ IE3 | |
| 315 | WP-UDF355MJ IE3 | WP-UDF355MJ IE3 | WP-UDF355LN IE3 | |
| 355 | WP-UDF355MN IE3 | WP-UDF355MN IE3 | - | |
| 375 | WP-UDF355LN IE3 | WP-UDF355LN IE3 | - | |

IE4 EFFICIENCY MOTORS AVAILABLE

| Power at 50Hz [kW] | 2 pole | 4 pole | 6 pole |  |
|--------------------|-------------------|-------------------|--------|---|
| 30 | WSP-UDF200LRF IE4 | - | - | |
| 37 | WSP-UDF200LVE IE4 | WSP-UDF225SPF IE4 | - | |
| 45 | WSP-UDF225MNF IE4 | WSP-UDF225MRF IE4 | - | |
| 55 | WSP-UDF250MRE IE4 | WSP-UDF250MN IE4 | - | |
| 75 | WSP-UDF280SRE IE4 | WSP-UDF280SP IE4 | - | |
| 90 | WSP-UDF280MVE IE4 | WSP-UDF280MN IE4 | - | |
| 110 | WSP-UDF315SNE IE4 | WSP-UDF315SJ IE4 | - | |
| 132 | WSP-UDF315MN IE4 | WSP-UDF315MN IE4 | - | |
| 150 | - | WSP-UDF315MP IE4 | - | |
| 160 | WSP-UDF315MR IE4 | WSP-UDF315MR IE4 | - | |
| 185 | WSP-UDF315LR IE4 | WSP-UDF315LP IE4 | - | |
| 200 | WSP-UDF315LR IE4 | WSP-UDF315LR IE4 | - | |
| 225 | WSP-UDF355SN IE4 | WSP-UDF355SJ IE4 | - | |
| 250 | WSP-UDF355MJ IE4 | WSP-UDF355SN IE4 | - | |
| 280 | WSP-UDF355MN IE4 | WSP-UDF355SN IE4 | - | |
| 315 | WSP-UDF355MR IE4 | WSP-UDF355MJ IE4 | - | |
| 355 | WSP-UDF355LN IE4 | - | - | |
| 375 | WSP-UDF355LR IE4 | - | - | |

NEW PAINTING SYSTEM AVAILABLE NORSOK STANDARD FOR HIGHLY-CORROSIVE ENVIRONMENT

The NORSOK standards are a series of standards developed by the Norwegian petroleum industry. The purpose of these industry standards is to replace the individual oil company specifications and to add value, reduce cost and lead time and to remove unnecessary activities in the offshore field developments and operation.

NORSOK standard gives the requirements for the selection of coating materials, surface preparation, application procedures and inspection for protective coatings to be applied during the construction and installation of offshore installations and associated facilities.

The aim of this NORSOK standard is to obtain a coating system, which ensures:

- optimal protection of the installation with a minimum need for maintenance
- that the coating system is maintenance friendly
- that the coating system is application friendly
- that health, safety and environmental impacts are evaluated and documented.

NORSOK PAINTING IN ATB TAMEL

Among many different NORSOK systems, our factory offers two:

• NORSOK M-501 SYSTEM NO. 1 - For carbon steel operating below 120°C.

This covers structural steel, exteriors of equipment, vessels, piping and valves (un-insulated)

• NORSOK M-501 SYSTEM 2B - For carbon steel operating above 120 °C.

This covers insulated surfaces, vessels, piping, flare and crane booms.

System 2B consist of 100 µm thermally sprayed zinc or alloys of zinc - top coated with a coating system.

System 2B is mainly an alternative to system 1.

Main characteristics of NORSOK M-501
painting system:

- Surface preparation: grit blasting to SA 2.5
- Protective coating: zinc rich coat above 80µm
- extensive primer coat 200µm
- top coat 80µm Agate grey RAL 7038
(or other required color)
- Total dry film thickness 360µm
- Whole coating process under FROSIO
Inspector supervision



ATB TAMEL PRODUCT RANGE

CHECK WHAT'S NEW!

Wide range of Nema Premium
UL/CSA motors according
to latest North American standards



IE4 efficiency class motors available



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



Latest EX products certification
for Russian market (former RTN)



China Energy Label



New range of low-cost, economic design motors size 200-355

CONTACT DETAILS

ATB TAMEL Spolka Akcyjna
Ul. Elektryczna 6
33-100 Tarnow
Poland
www.tamel.pl

OFFICE
phone: +48 14 632 11 00
fax: +48 14 632 11 02
mail: office.tamel@tamel.pl

SALES
Domestic: +48 14 632 1453
Export: +48 14 632 1601,
+48 14 632 1643
Inquiries: inquiry@tamel.pl,
zapytanie@tamel.pl

CUSTOMER SERVICE
Domestic: +48 14 632 1531
Export: +48 14 632 1602,
+48 14 632 1455
mail: csc@tamel.pl



Tamel s.a.

BROOK
CROMPTON

WOLONG 卧龙

