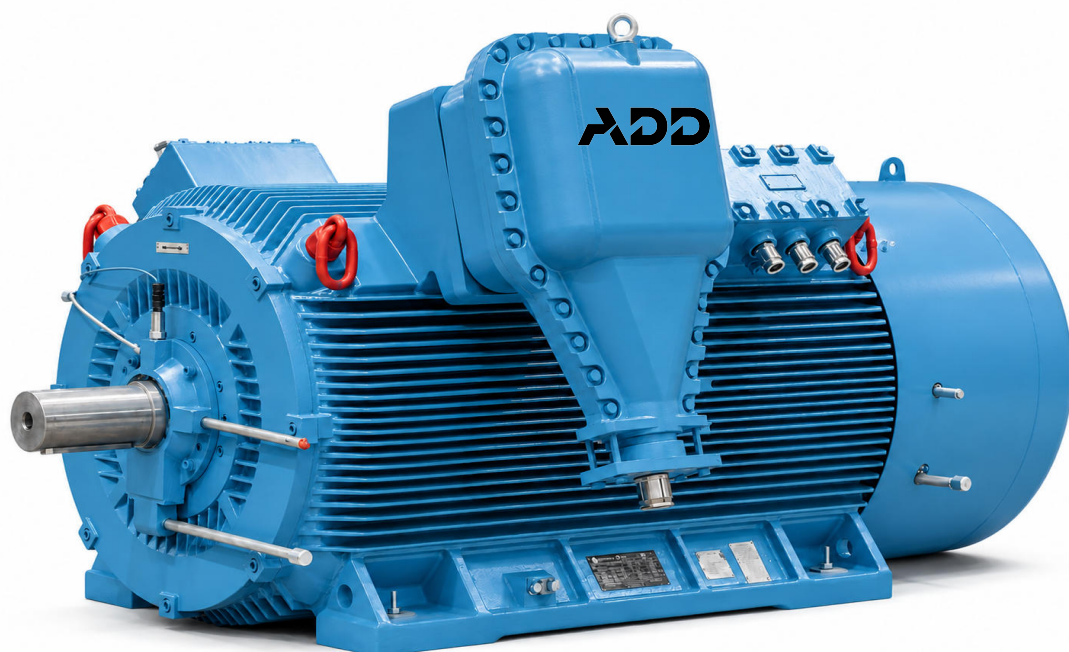




ATEX — IEC Ex EXPLOSION PROOF MOTORS



Low-MEDIUM Voltage RANGE OF MOTORS FOR FOR HAZARDOUS AREA

Type of motor

Flameproof electric motor

- According to standards:
 - IEC/EN 60079-0, 1, 7, 31
 - IEC 60034-1, 2, 5, 6, 7, 8, 9, 12, 14, 30
 - IEC 60072
- Ex db, Ex db eb, Ex tb, Ex tc, Expzc
 - Terminal box Ex db or Ex eb available
 - Continuous duty or intermittent duty
- ATEX® category I M2, II2G, II2D, II2GD
- Gas group I, IIB, IIC
- Dust group IIIB, IIIC
- Temperature classes T3, T4, T5, T6
- Surface temperature classes (Dust)
T150°C - T135°C - T125°C - T100°C - T85°C
- Protection IP55, IP56, IP65
- Frame size from 80 to 710 (IEC)
- Power 0.75 - 1400 kW
- 380V - 11kV, 50/60Hz
- Pole 2, 4, 6, 8
- Cooling: IC411, IC416, IC611, IC616
- Premium efficiency IE3 and super-premium efficiency IE4 available.
IE1 / IE2 also available
- Certified ATEX and IEC Ex

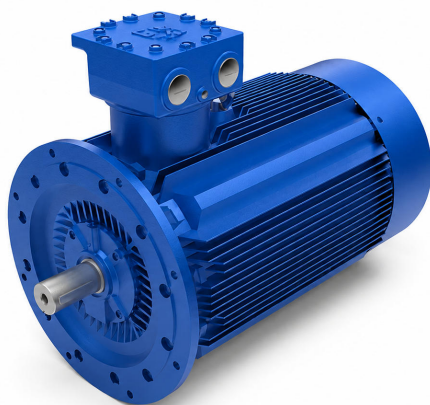
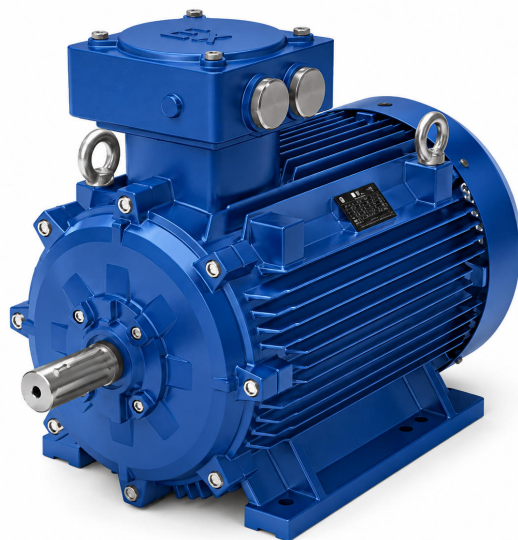




Type of motor

Non-sparking and Increased safety electric motors

- According to standards:
 - IEC/EN 600079-0, 15, 31
 - IEC 60034-1, 2, 5, 6, 7, 8, 9, 12, 14, 30
 - IEC 60072
- Ex ec, Ex tb, Ex tc, Ex eb
- ATEX category II2G, II3G, II3GD, II2D
- Gas group IIB, IIIC
- Dust group IIIB, IIIC
- Temperature classes T3
- Surface temperature classes (Dust)
 - T150°C - T135°C - T120°C - T100°C - T85°C
- Protection IP55, IP56, IP65
- Frame size from 80 to 900 (IEC)
- Power 0.75 - 5000 kW
- 380 - 11kV, 50/60Hz
- Pole 2, 4, 6, 8
- Cooling: IC411, IC416, IC611, IC616
- Efficiency IE2-IE3-IE4
- Certified ATEX and IEC Ex



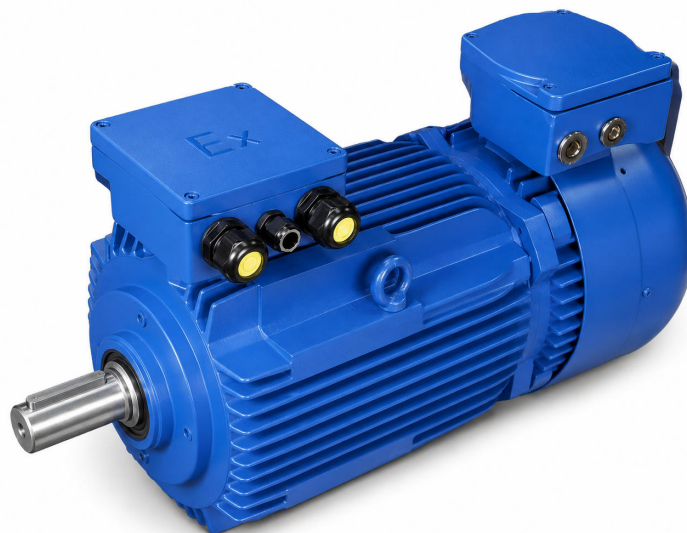
ADD

MOTION
INTELLIGENCE IN MOTION

Type of motor

Flameproof electric motors with brake

- According to standards:
 - IEC/EN 600079-0, 1, 7, 31
 - IEC 60034-1, 2, 5, 6, 7, 8, 9, 12, 14, 30
 - IEC 60072
 - Motor enclosure Ex db (flameproof) and brake in separate Ex db enclosure
 - Terminal box Ex db or Ex eb available
 - Multiple choice for brake torque available
 - Continuous duty or intermittent duty
- Ex db, Ex db eb, Ex tb, Ex tc
- ATEX category II2G, II2D, II2GD
- Gas group IIB, IIC
- Dust group IIIB, IIIC
- Temperature classes T3, T4, T5, T6
- Surface temperature classes (Dust)
T150°C - T135°C - T125°C - T100°C - T85°C
- Protection IP55, IP56, IP65, IP66
- Frame size 80 to 315
- Power 0.75 - 200 kW
- 380 - 440 V, 50 Hz
- Pole 2, 4, 6, 8
- Cooling: IC411, IC416
- IEfficiency IE2-IE3
- Certified ATEX and IEC Ex



ADD

MOTION
INTELLIGENCE IN MOTION

Options

Mechanical

- Special flanges and shafts
- Locked bearings, roller bearings or special bearings
- Terminal box on Top/side
- SPM probe (vibration measurement)
- Condensation drain valve
- Grade A or B vibration levels
- Rain capnopy for vertical motors
- Low noise
- Auxiliary terminal box

Accessories

- CT's
- Vibration Sensors
- PTC 150 Thermistors, RTD PT100
- Anti-condensation heaters

Electrical

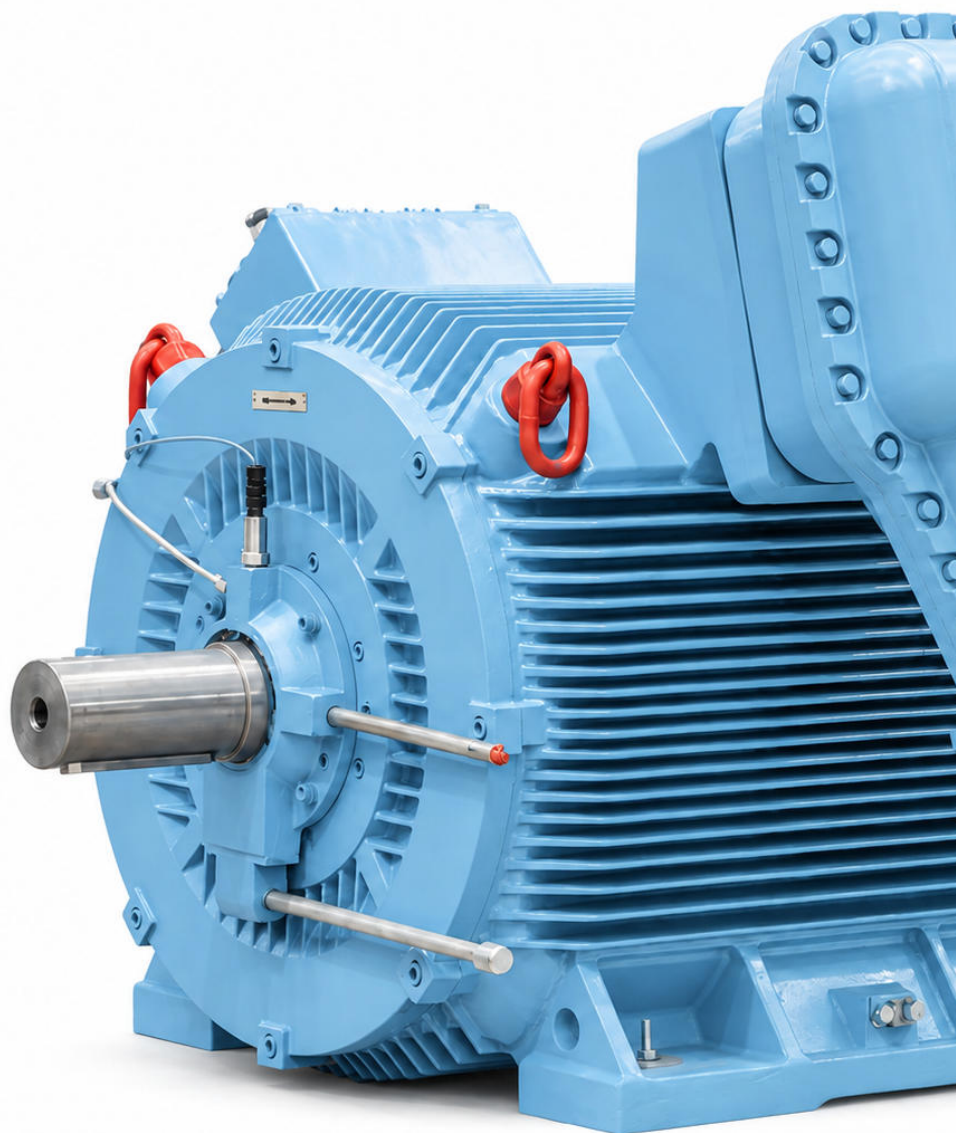
- Special voltage and frequency
- VPI Treated Windings
- Motors for tropical climates
- Electrical special designs
- Class F, H insulation
- Suitable for frequency converter drives

Brake

- AC disc brakes
- DC disc brakes
- Brake hand release
- Braking when not energized

Project Support

- Routine Test performance
- Superimposed curve (Motor-driven machine)
- Load test and thermal test as per IEC 60034-2-1
- Insulation test
- ATEX, IEC Ex and CE Certified





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APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by ADDMOTION Pvt Limited and/or its affiliates ("ADD") with respect to the use of products and components is given in good faith and without charge, and assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

