



### MOTORS AND GENERATORS

ABB offers a comprehensive range of reliable and high efficiency motors and generators for all applications.

ABB has what it takes to help every industry and application reach new levels of efficiency and energy savings even under the most demanding conditions. Combining the best available materials with superior technology, the electric motors and generators are designed to operate reliably no matter how challenging the process or application, and to have low life cycle costs.



#### Generators

ABB has a long and successful track record of designing and building generators for all power generation applications.

ABB has the modern products, experience and resources needed to support plant builders and operators from the initial project concept through design and installation to many years of efficient, reliable operation.



#### High-Voltage Induction Motors

ABB offers a full range of high voltage induction motors, including rib cooled motors, modular slip-ring motors and modular welded frame motors with different cooling options. ABB has been manufacturing electric motors for more than 125 years and this experience is built in to every ABB high voltage induction motor.



#### IEC Low Voltage Motors

With ABB expertise and comprehensive portfolio of low voltage motors we help you to improve reliability, energy efficiency and productivity of your processes. You also get life-cycle services that add value for your operations and optimize your cost of ownership.

Our wide range of low voltage AC induction motors are suitable for all industries and applications and they fulfil all international and national efficiency regulations.



#### Motors And Generators For Explosive Atmospheres

ABB offers a wide range of low and high voltage motors and generators for all protection types, certified according to all major standards.

- Broad range of all protection types and levels
- Dedicated project management for complex projects
- Support through the whole lifecycle - project management to global certified service network



### NEMA Low Voltage AC Motors

Offering the broadest line of energy-efficient NEMA motors to meet any application need.

Designed and built with reliability and lowest total cost of ownership at the forefront, motors meet or exceed NEMA energy-efficiency levels. Motors are available from stock or can be designed to fit specific applications ranging from general purpose to the harshest environments worldwide.



### Mechanical Power Transmission

For well over a century, the Dodge® line of bearings, gearing and power transmission components have helped manufacturers in numerous industries increase the productivity and profitability of their operations. By focusing on each industry and concentrating on its specific needs, we have developed innovative product solutions and advanced technologies that help improve output, decrease downtime, and enhance system value.



### IEC DC Motors

Reliability with less maintenance

The DMI DC motor provides higher output performance over a wide speed range and is easier to maintain compared to conventional DC motors. Unique features and a robust design increases motor reliability and extends the time between maintenance intervals. The power dense low-profile of the DMI DC motor also makes it easy to integrate into almost any existing application.



### Synchronous Condensers

ABB's rotating condenser's short-circuit power and high inertia compliments the fast response time of our static VAR compensators, offering an unrivalled system solution.

ABB high inertia rotating condensers support efficient and reliable operation of power grids, balancing voltage fluctuations through reactive power compensation and offering additional short-circuit power capacity.



### Synchronous Motors

ABB is the market's leading supplier of synchronous motors and generators. All over the world our synchronous motors deliver high performance in industrial processes, the marine and offshore sectors, utilities, and specialized applications.

Designed to provide extremely high reliability and efficiency, these motors help our customers to cut operating, maintenance and energy costs while lowering environmental impact. Our global service network and predefined maintenance programs ensure support for all life cycle stages of ABB motors.



### Traction Motors And Generators

Every train needs a unique motor or generator for its purpose. ABB holds a complete and flexible traction motor and generator portfolio that allows us to build the perfect solution for train operators – regardless of train type, power range or geographical location.

Each motor and generator is tailor-made to customer requirements and to the operation conditions of each train that it powers; enabling superior efficiency, lowest energy consumption and high reliability.

ABB traction products offer low investment cost, reliable, high efficiency operation with reduced maintenance need for low running cost. Local service and engineering support globally result in low cost of not running. Low total cost of ownership maximized your annual profits.