

Engineered modular induction motors

High reliability and availability



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When you want to make your operations more reliable, productive and energy efficient, you can count on ABB's modular induction motors.

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01 ABB's engineered modular induction motor, type AMI

ABB's engineered modular induction motors provide reliability and availability in the toughest and most demanding applications.

ABB's high voltage modular induction motors are available as A-series engineered motors (type AMI) and N-series general purpose motors (type NMI).

The AMI motor belongs to ABB's A-series of engineered motors, which are highly customized, fine-tuned to the customer's precise needs, and offer a high degree of engineering flexibility.

Designed for most demanding applications

Engineered modular induction motors are tailor-made to meet the needs of each customer and each application. Built from the motor industry's most successful modular platform, they match a broad variety of demanding application requirements while having the flexibility to be adapted to highly specific configurations.

Typical uses of modular induction motors are for blowers, fans, compressors, pumps, conveyors, hoists, mixers and thrusters in such industries as power generation, air separation, oil and gas, chemicals, metals, marine, mining, and pulp and paper.

ABB's modular induction motors comply with all relevant international standards. Versions are available for both direct-on-line (DOL) and variable speed drive (VSD) operation.

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Efficient cooling for peak performance

Efficient cooling is vital for peak motor performance in all ambient operating conditions.

Modular motors have several cooling options. Different kind of cooling modules are used on top of the frame to meet different customer requirements for cooling method and environmental protection.

There are three basic modules: air-to-air heat exchanger, air-to-water heat exchanger and weather-protected open ventilated systems.

High productivity

ABB motors are based on reliable designs, proven in thousands of installations, and provide high productivity in demanding conditions. We have used our extensive experience and segment knowledge to find out what kind of motor will perform best in the application.

Great reliability of our motors helps you to increase productivity of your operations. This is ensured by the AMI motor's proven core technology, materials, manufacturing methods and low vibration. Each motor is thoroughly tested before it leaves the factory.

Technical specifications

Output power:	Up to 29 MW
Frame sizes:	400 to 1120
Number of poles:	2 to 24
Voltages:	Up to 13.8 kV
Frequency:	50 or 60 Hz, or VSD
Ambient:	-50 °C to +60 °C
Cooling:	Air-to-air, air-to-water, weather-protected open ventilated system
Protection:	IP23, IPW24, IP55, IP56
Enclosure material:	Welded steel
Bearings:	Antifriction or sleeve
Mounting:	Horizontal or vertical
Standards:	IEC, NEMA
Supply:	Variable speed drive (VSD), direct-on-line (DOL)

Your reliable partner

With ABB you always have a partner to discuss different motor solutions to optimize your process.

Our services do not stop at sales. We make it easy for you to reach us at every stage of your motor's life cycle.

ABB's extensive global network ensures local service delivery whenever and wherever you need it. The worldwide network includes over 60 service centers and more than 150 authorized service providers.

We offer predefined maintenance programs for all lifetime phases of all ABB motors, and preventive diagnosis and updates can help to further boost your competitiveness when needed.

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For more information please visit:
abb.com/motors&generators

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