

Slip-ring modular motors from ABB

Availability for heavy load inertia applications



Slip-ring motors are an ideal solution for applications which require high starting torque and low starting current. They are especially suitable for heavy load inertia applications like mill drives or situations where network conditions are weak.

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01 ABB's slip-ring modular motor, type NMK.

High availability

ABB's slip-ring motors minimize mechanical stress at starting, increasing the lifetime of your driven equipment. They provide maximized availability and high torque over the entire speed range.

Slip-ring motors are widely used in mills, fans, crushers and conveyors in the mining, cement and metal industries. In addition, these motors offer a reliable solution for pumps in the water industry and safe area pumps, compressors and mixers in the petrochemical industry.

Reliability and high efficiency

Reliability and high efficiency of ABB slip-ring motors reduce the downtime and operating costs of your processes, minimizing cost of ownership. The high efficiency is ensured by proven motor design, use of high quality materials, and advanced ventilation technology. The fully braced and vacuum impregnated windings increase reliability in your heavy-duty operations.

High power density of our slip-ring motors means the power required is achieved in a smaller frame size. The motors' compact size and light weight reduces required installation space and equipment to lift the motor on site, leading to lower installation costs.

Technical specifications	Motor type NMK
Output power:	up to 8000 kW
Frame sizes:	400 to 630
Voltage:	2.3 to 13.2 kV
Cooling:	IC611, IC616, IC81W, IC86W
Protection:	IP55
Mounting:	Horizontal
Bearings:	Antifriction and sleeve
Insulation class:	F
Supply:	direct-on-line



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Your reliable partner

ABB motors are based on reliable designs, proven in thousands of installations, and provide high productivity in demanding conditions.

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.