

PRODUCT NOTE

ABB Roller table motors

Where robust meets reliable

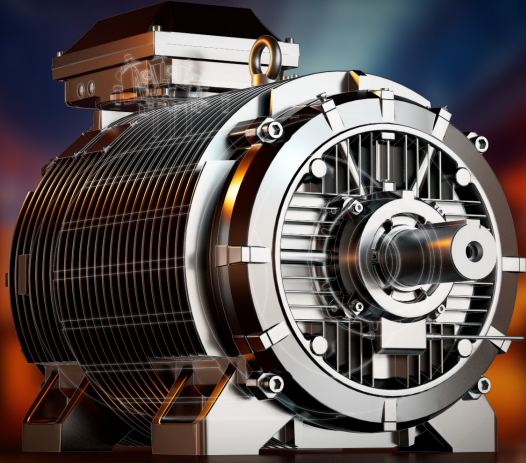


ABB Roller table motors offer the optimal solution for your rolling mills. They are built for a long lifetime in tough environments, withstanding high temperatures, mechanical shocks, and dirty conditions. ABB Roller table motors are customizable to perfectly match your processes.

Robust design for tough environments

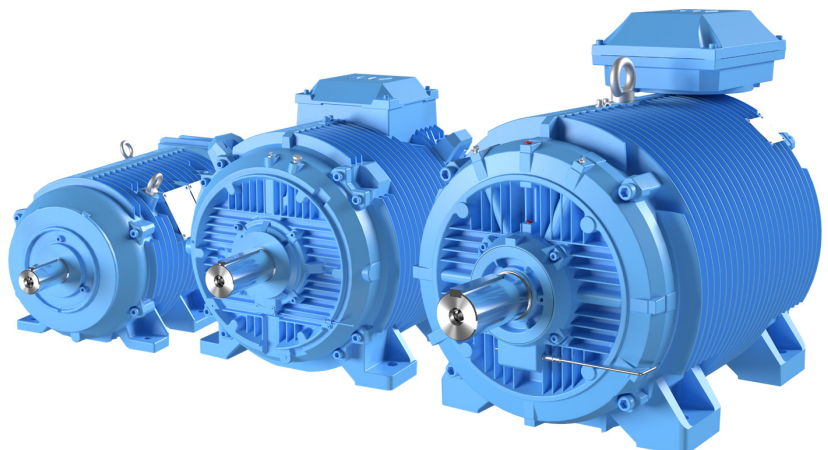
ABB Roller table motors are designed for easy installation, operation, and maintenance to minimize downtime and costs. Motors are built for a long lifetime in tough conditions, withstanding very high temperatures, mechanical shocks, and dusty in dirty environments.

The non-ventilated design has vertical cooling ribs so debris cannot collect on the surface. The enclosure of the motors is protected to IP55. Higher degrees of protection, up to IP66, are also available.

The motors are available with shaft heights from 132 to 450, and powers go up to 165 kW. Assembly dimensions and shaft heights are in accordance with IEC 60072-1.

ABB Roller table motors are specially designed for use with frequency converters. Robust in construction, the motors are fully sealed to withstand the tough conditions in rolling mills.

Partner with us for your next project. We'll use our application know-how to make sure you get the perfect solution.



Customizable for a perfect match

ABB Roller table motors provide great flexibility for specific solutions and can be individually designed to the exact demands of the application. The terminal box can be mounted on the non-drive end, away from the hot metal, or equipped with **quick connectors** for rapid installation.

Temperature sensors, encoders, and brakes can be added, winding insulation further strengthened, or shaft material altered. Motors that can be pressurized to exclude dust are also available. With a broad selection of options and accessories, you get exactly the motors you need.

For optimal results, the motors are tailored to match the roller table's operating profile and can be directly connected to the rollers. They provide high torque, with surge torques up to **400%**, and the power for rapid acceleration, fast reversals, and frequent transitions from peak torque to zero load and back.

The pole number and frequency can be selected, avoiding the need for gearboxes and therefore saving on maintenance costs and increasing the overall efficiency of the drive.

Technical information

M3RP	
Output	3.3 to 165kW
Shaft heights	132-450
Voltage	220-690 V
Supply	VSD
Mounting	B3, B5, B35
Cooling	IC410 non ventilated
Protection	IP55, with options up to IP66

Speed and output:

5,5-7 kW at 1500 rpm

7-55 kW at 1000 rpm

5,5-45 kW at 750 rpm

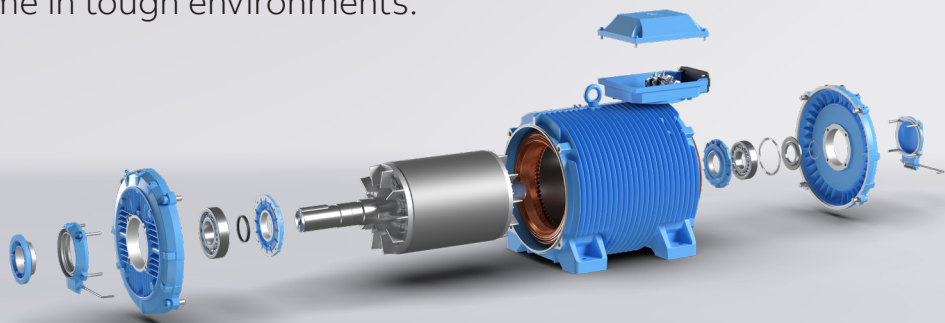
3,3-165 kW at 345 rpm

Get everything from a single supplier

ABB offers a wide range of all-compatible variable speed drives that are easy to select, adapt and use for.

We support our customers throughout the whole lifecycle helping them maximize operational uptime and performance through preventive and condition-based servicing.

ABB Roller table motors are built for a long lifetime in tough environments.



<https://new.abb.com/motors-generators/iec-low-voltage-motors/roller-table-motors>

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG. Copyright© 2024 ABB All rights reserved