PRODUCT NOTE

Rib cooled induction motors – available in stock

Ready-to-ship solution

ABB's latest generation of rib cooled motors are now available in stock, ready to be shipped. This is the best solution to meet the urgent needs of a medium voltage motor with ABB's best quality from over 120 years of experience in motor manufacturing.

ABB Rib cooled induction motors are now ready to be shipped from Helsinki factory to meet your urgent needs. Available frame sizes are from 315 to 450 and the motors fulfil IEC and NEMA (electrically) standards.

Fulfilling urgent needs
These products are ready in stock and can be delivered quickly from factory to site. The DAP delivery term is available, allowing the motor to shipped directly to any location in Europe within one or two weeks. EXW delivery requires only 1-2 days.

ABB quality
They incorporate experience that ABB has gained from over 120 years manufacturing electric motors. We guarantee that the motors in stock have the same quality of manufacturing and testing as other motors.

Supply flexibility
Both direct-online (DOL) and variable speed drive (VSD) operation are available. VSD operation, which optimizes the motor's performance, minimizes energy consumption and controls your process more accurately.

Easy to buy
Comprehensive documentation is ready, with predone drawings and electrical performance data. A dedicated data sheet with the necessary performance data can be quickly prepared by ABB support.

High power density for compact installations
As for the engineered option of ABB rib cooled motors, high power density means that for a given output you can often use a motor one frame size smaller than with conventional products. This compactness helps the motors to fit better in various different applications, also with space challenges.

Easy to purchase
- Fast quotation with ABB support

Reliability
- Based on ABB's long experience and quality
- ABB Ability™ Smart Sensor equipped
- Extensive global service network

Faster in delivery time
- Ready to be delivered

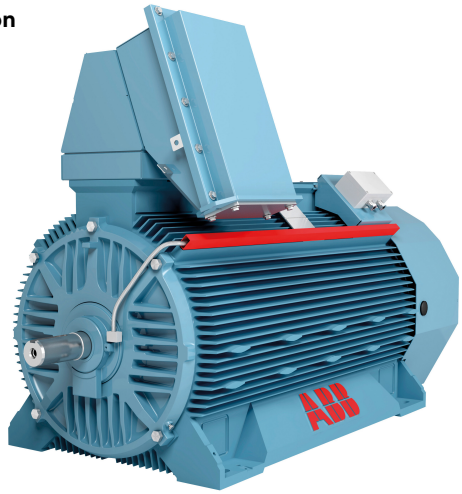
High efficiency
- Ensures reduced cost of running, less energy consumption

Easy to install
- Smaller frame size and less weight
- Designed to enable great flexibility

ABB Rib cooled motor, type AXR and NXR	
Frame size	315–450
Output power	200 to 1400 kW
Supply	DOL; ACS1000; ACS2000; ACS2000 sin
Ex execution / standards	Safe Area or Ex ec / IECEx or ATEX
Temperature class	T3
Insulation class / Temperature rise	F/B or F/F
Voltages	From 2.3 to 6.6 kV
Frequency	50 or 60 Hz
Poles	4
Cooling	IC 411
Protection	IP 55
Enclosure material	Cast iron
Mounting	IM 1001
Ambient temperature	-20 °C to +40 °C (up to 60 °C on request)
Bearings	Grease lubricated antifriction bearings
Space heater voltage	From 110 to 265 V
MTB position	DE, Right or left
Rotation direction	Bidirectional
Surface treatment	C3

Common key features and benefits
- Rigid, weight-optimized frame is engineered to minimize vibration
- Built-in serviceability features reduce downtime and cost of not running
- Oval fixing holes for easier installation
- Winding and bearing PT100
- Provided with ABB Ability™ Smart Sensor mounted as default and for free (if Safe Area)
- Performance data, drawings and other information are readily available
- SPM nipple for shock pulse measuring in each antifriction bearing
- 3D models available

Main options available after evaluation
- Altitude over 1000 m
- Ex ec T3 (ATEX and IECEx)
- VSD supply
- Star point connection available for some voltage levels
- Possibility to rotate MTB
- Seaworthy packing
- Extended Warranty



For more information please visit:

new.abb.com/motors-generators/high-voltage-induction-motors

9AKK108131 REV B EN 01-2021