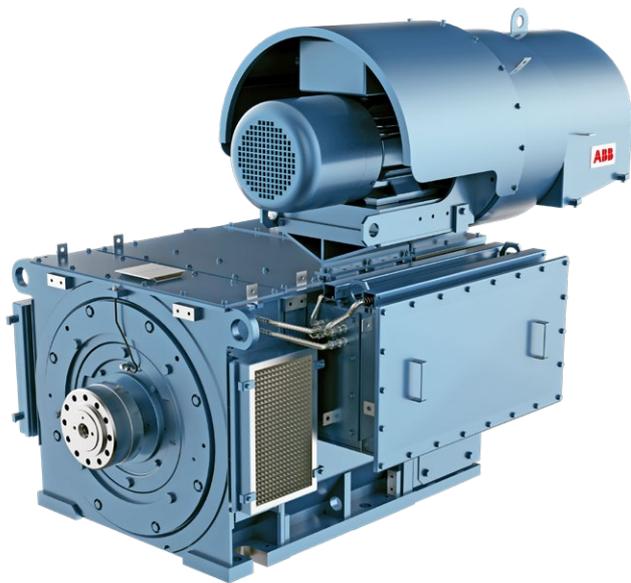


PRODUCT NOTE

High power drill rig motor from ABB

Increased productivity and high reliability



ABB's high power drill rig motor provides increased productivity and high reliability for mud pumps and drawworks in the oil drilling industry. The heavy duty motor is the ideal choice for onshore and offshore applications.

—
ABB's drill rig motor,
type NMH.

Easy to install

The high power drill rig motor from ABB is a flexible drop-in replacement for the motors most commonly used in the oil drilling industry, while also offering the possibility of higher power. This makes the motor easy to select, install and maintain, saving time and costs. With its complete range of products and packages for onshore and offshore drill rig motor applications, ABB is a one-stop shop for the industry.

More power

Due to its high power density, the ABB drill rig motor delivers higher output with an industry standard frame size. ABB motor-drive packages, with optimized thermal behavior, reliability, efficiency and power range, offer even higher productivity and energy efficiency.

The drill rig motor's high reliability minimizes downtime. This is ensured by the robust heavy duty design, which benefits from proven, all-round ABB experience and quality. Longer bearing lifetime is achieved through the use of selected high quality bearings and lubricant, an insulated N-end bearing, and optimized dimensioning. The lifetime of the insulation system is extended by the large safety margin between the insulation class maximum temperature and operational temperatures.

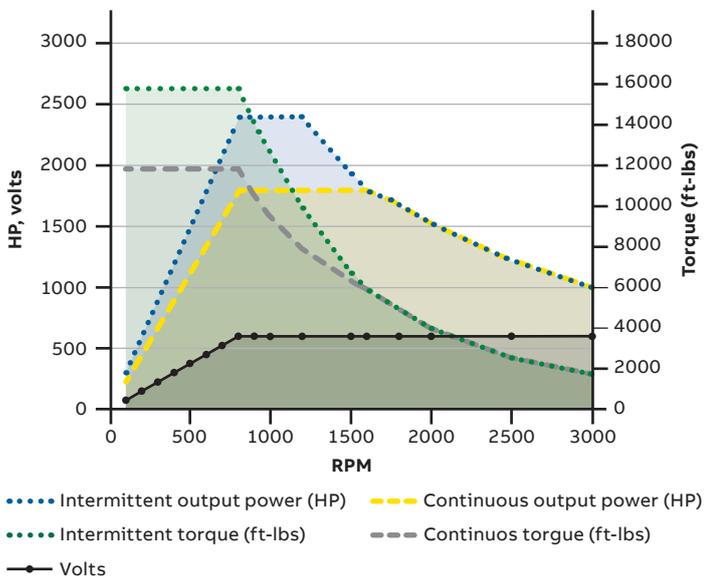
High availability means that the drill rig operator's overall cost of ownership is reduced. ABB's extensive global network ensures local service delivery whenever and wherever you need it. The worldwide network includes over 60 servicecenters and more than 150 authorized service providers.

Technical specifications

High power drill rig motor

Continuous output power	Up to 1,800 HP (1,340 kW)
Intermittent output power	Up to 2,250 HP (1,650 kW)
Frame size	16.66 inch (423 mm)
Motor type	NMH
Voltage	575 and 690 V
Protection	IP44, IP56 for TEWAC (IC86W)
Mounting	IM B3 (IM1001)
Bearings	Antifriction
Insulation class	class H (200)
Shaft material	AISI 4340
Supply	VSD

Drill rig motor, type NMH 423, performance curves



Note: 1,800 HP for IC36 and ambient 45 °C

Your reliable partner

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

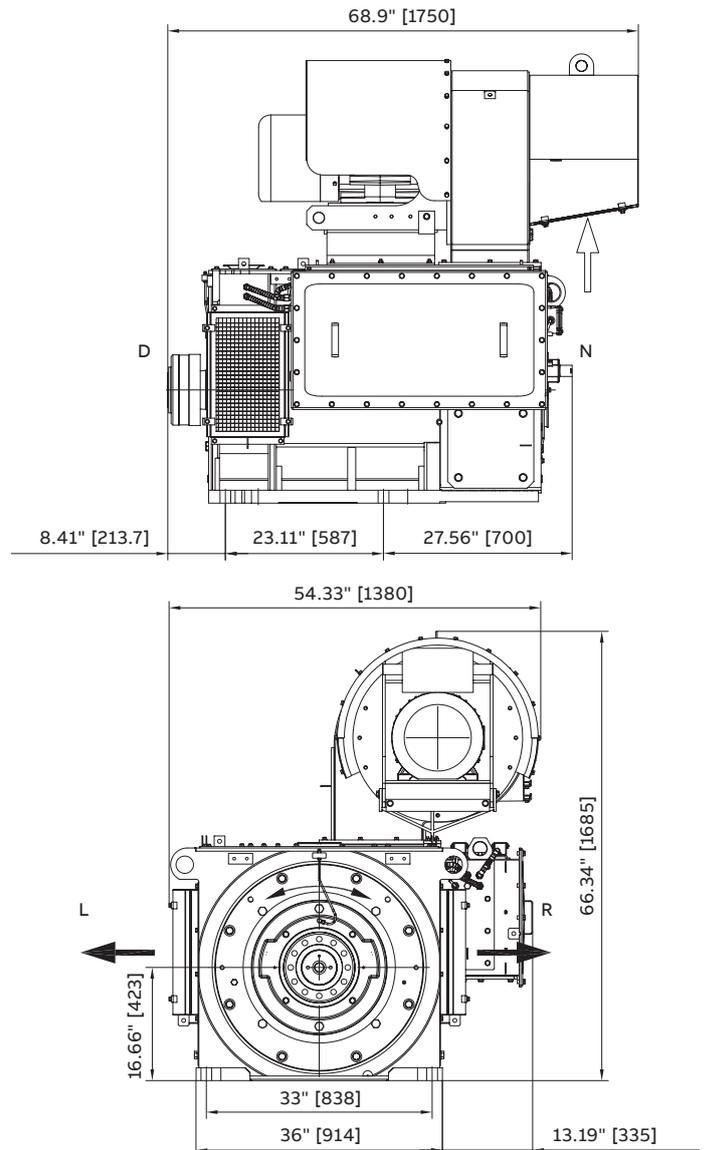
With ABB you always have a partner to discuss different motor solutions to optimize your process. Our services do not stop at sales. We make it easy for you to reach us at every stage of your motor's life cycle.

For more information please visit:

new.abb.com/motors-generators

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Dimensions



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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