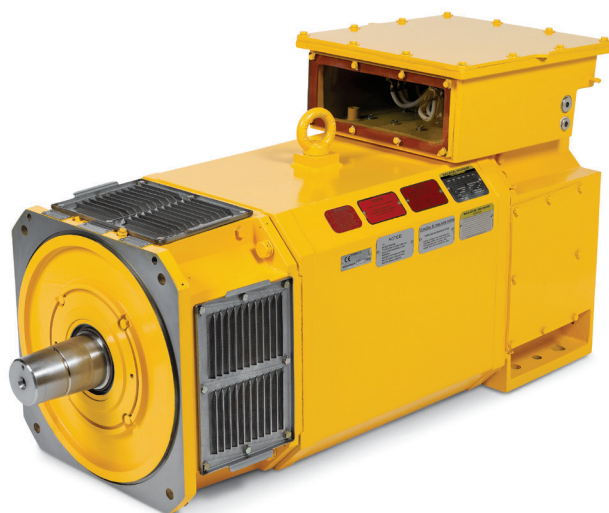


PRODUCT NOTE

400 Hp Top Drive drilling motor

Rugged, reliable, and built to last



Baldor-Reliance® Top Drive drilling motors are durable, safe and meet the performance demands of on-shore drilling rigs. The compact, power dense design offers more power in a smaller package with certifications to ensure equipment and personnel safety.

01 Stator through bolt with cotter key retainer



Baldor-Reliance top drive drilling motors are designed based on over 25 years of experience building high performance AC top drive drilling motors. Our motors include the following features to provide a compact, high performance top drive drilling motor that is built to last.

- 400HP, 1150/2400 rpm, 575V rated (random wound or form wound)
- Available with ambient temperature ratings up to 55C
- CSA, ATEX, IEC-Ex, and ABS Certifications available
- Rugged laminated steel frame with IP44 rated DPSV enclosure
- Ductile iron bearing brackets with industry standard DE and ODE flanges
- Stainless steel air outlet covers with stainless steel mesh screens
- Critical fasteners secured with safety wire or cotter keys
- Rated for shock loads up to 6G

- Class II double ended shaft with industry standard tapers fitted for hydraulic removal of the coupling
- Cast aluminum rotor locked to the shaft to resist high shock loads
- DE roller bearings and ODE back to back angular contact bearings
- Double inboard and outboard seal system on the DE and ODE with Inpro Seal on the ODE outboard side



- Patented Positive Lubrication System with Black Pearl grease
- Bearing RTDs available upon request
- Optimum pole winding designed for VSD operation
 - Available in random wound or form wound designs
 - Designed to meet or exceed the requirements of NEMA MG1 part 31.4.4.2
 - Industry leading corona resistant insulation system
 - Class H temperature rating
 - Sealed VPI system capable of passing IEEE-429 immersion test
 - 690V rated insulation with 575V operating voltage
 - Three thermostats as standard, RTDs available upon request
- IP54 rated ductile cast iron terminal box with bus bars and accessory terminal strips as standard
- Durable C3+ paint system
- Manufactured in Gainesville, GA – ISO 9001, US Navy, Nuclear 1E QA, and ATEX certified



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02

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02 Terminal box with bus bars and lead separators

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03 Cut-away view showing motor critical features

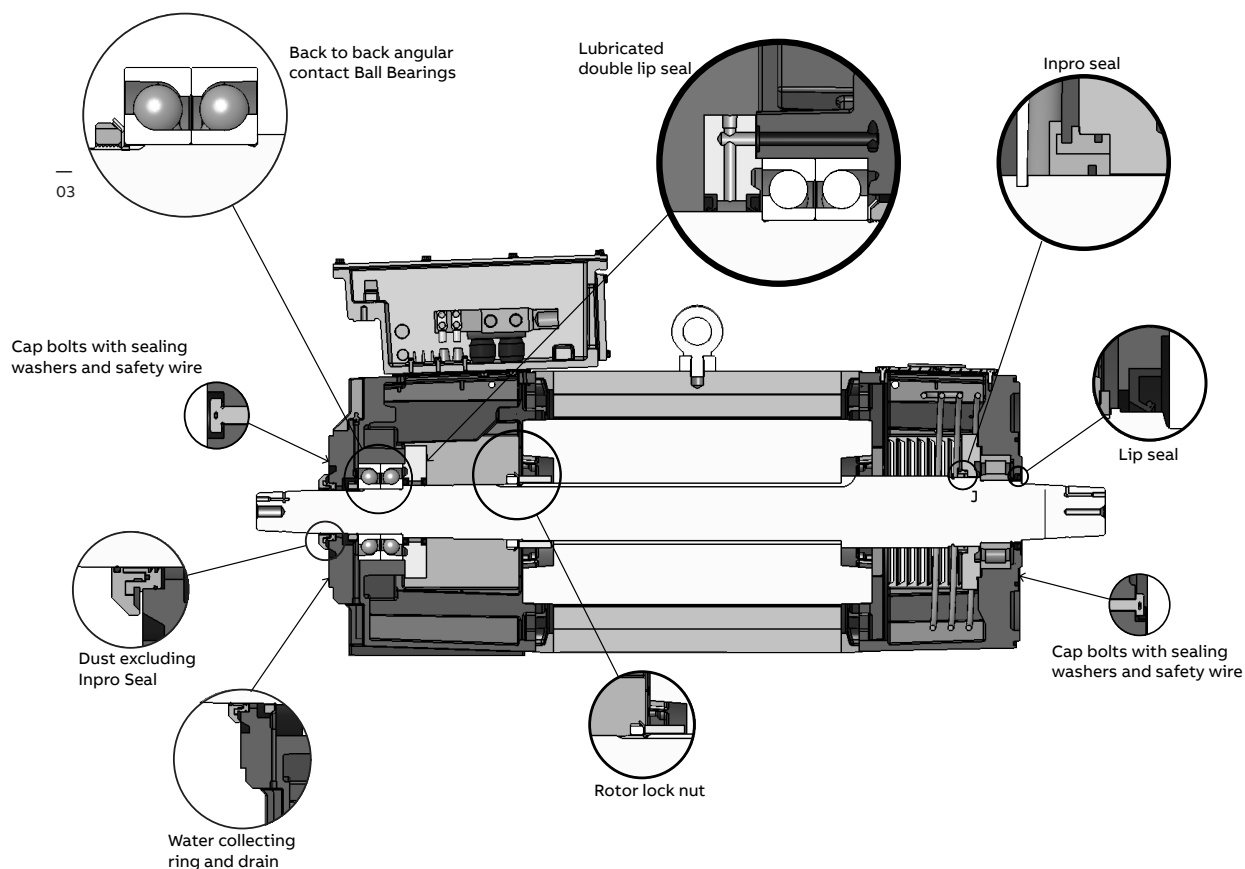


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