

1,600 HP AC Drilling Motor – WL29BC160





High Power Density Technology for Oil & Gas Applications Up To 1600 HP in a Standard 1500 HP Frame

Drill deeper, faster and with more efficiently with High Power Density motors from Ward Leonard. Utilizing proprietary intra-slot cooling technologies, the WL29BC160 delivers **more power than similar motors**, and will withstand rigorous high shock and vibration conditions for decades of continuous service in harsh environments.

Standard Features

- 6 pole stator with form wound windings
- Extra tough pitch copper rotor bars
- Certified Class H insulation
- Robotically taped Mica-Kapton
- Fully vacuum impregnated (VPI)
- Tested for 4 hours under water at 500 V
- 4340 alloy shafts
- + Six 100 Ω platinum RTDs; 2/phase embedded in stator

- Right or left blower and junction box positions
- Designed for Variable Frequency Drive operation
- Heater
- Double shaft extension (tapered, splined or keyed)
- ATEX and CSA-approved

Optional Features

- Encoder
- Bearing RTD
- Blower assembly
- Air pressure switch
- IP 56 junction box
- IP 44 motor enclosure
- Insulated bearing on nondrive end
- ABS and DNV





ied ISO 9001:

ISO 9001:2008-certified AT

9001

ATEX-approved CSA-approved

1,600 HP AC Drilling Motor

Speed - Torque Performance That Leads the Industry





Critical Data

WL29BC160
575 ±10% ***
1590
887 RPM
9500 at rated speed
1600 at rated speed
3000 RPM **
7,500 lbs. 2,250 lbs
3250
50 gram inches
Mobil Unirex EP 2 *
20 MΩ

* Others available upon request.

** With ball bearings; roller bearings reduce maximum speed. *** 690V maximum...consult factory.



Ward Leonard is a global provider of highly engineered motors, controls and integrated solutions that power Oil & Gas exploration. We provide benchmark performance, productivity, durability and customer support primarily for Top Drives, Mud Pumps, Draw Works, Rotary Tables, Engine Controls and Control Houses. Learn more at www.wardleonard.com.

401 Watertown Road, Thomaston, CT 06787 P: 860.283.5801 | F: 860.283.5777 | sales@wardleonard.com | WardLeonard.com

Dimensions





