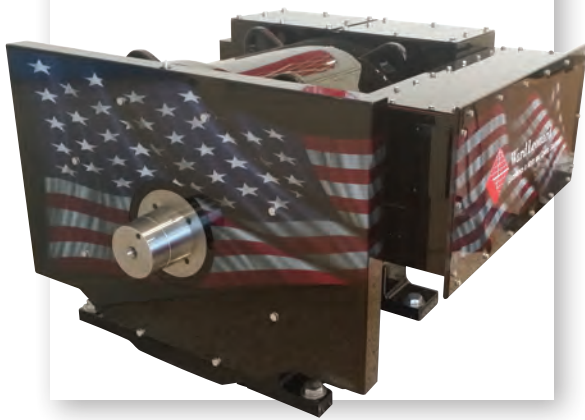




# Ward Leonard

Excellence in Motor and Control Solutions™

## 2,000 HP AC Drilling Motor – WL29BC200



### Benchmark Performance for Oil & Gas Applications

The Ward Leonard 2,000 HP (WL29BC200) AC Motor is designed to deliver or exceed customer specifications for performance, productivity and durability. Engineered to withstand decades of continuous service, this rugged 2,000 HP motor is ideally suited for mud pumps and draw works in the extreme environments where oil and gas rigs operate either on or off-shore.

#### 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 100Ω platinum RTDs; 2/phase embedded in stator

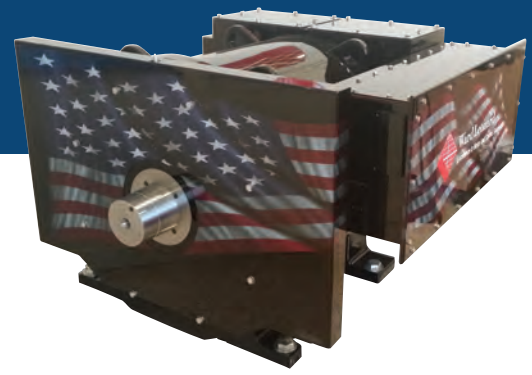
- ◆ Right or left blower and junction box positions
- ◆ Designed for Variable Frequency Drive operation
- ◆ Heater
- ◆ Double shaft extension (tapered, splined or keyed)
- ◆ ATEX and CSA-approved

#### Optional Features

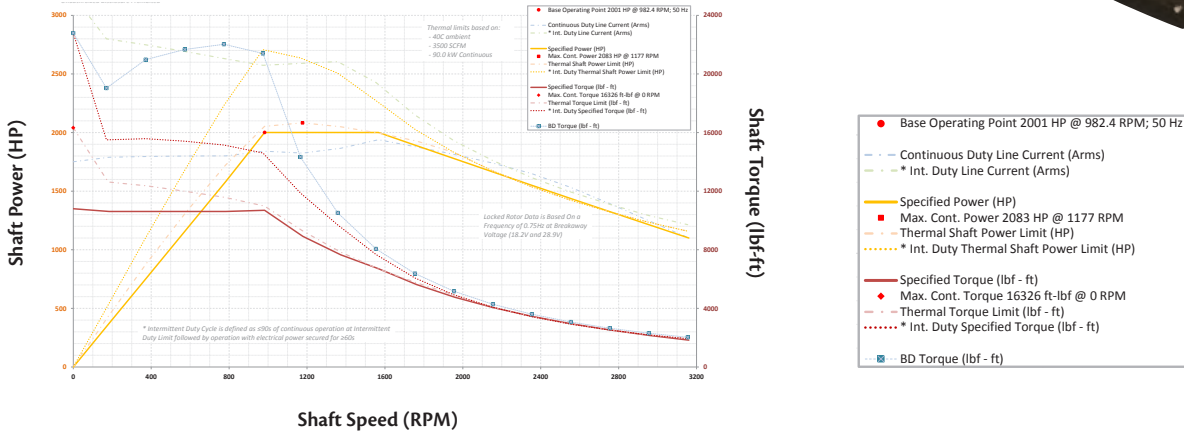
- ◆ Encoder
- ◆ Bearing RTD
- ◆ Blower assembly
- ◆ Air pressure switch
- ◆ IP 56 junction box
- ◆ IP 44 motor enclosure
- ◆ ABS and DNV



# 2,000 HP AC Drilling Motor



## Speed - Torque Performance That Leads the Industry

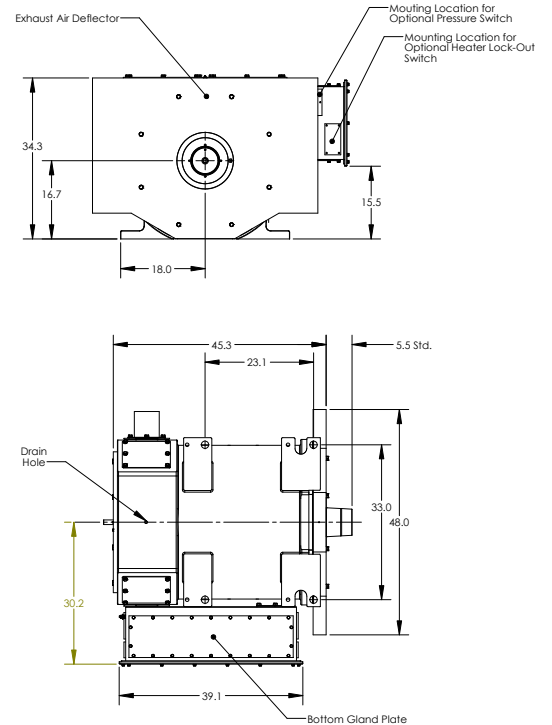


## Critical Data

Model number	WL29BC200
Voltage (AC)	575 ±10% ***
Current (Amps)	1775
Rated Speed	982 RPM
Torque (lb ft)	10,700 at rated speed
HP	2000 at rated speed
Max. permissible speed	3000 RPM **
Base motor weight	7500 lbs.
Rotor weight	2250 lbs
Recommended blower CFM	3250
Rotor balance	50 gram inches
Standard bearing grease	Mobil Unirex EP 2 *
Megger resistance	20 MΩ

- \* Others available upon request.
- \*\* With ball bearings; roller bearings reduce maximum speed.
- \*\*\* 690V maximum...consult factory.

## Dimensions



**Ward Leonard**  
Excellence in Motor and Control Solutions™

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](http://www.wardleonard.com).

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