



2,000 HP AC Drilling Motor – HAW29BC200



Benchmark Performance for Oil & Gas Applications

The Houma Armature 2,000 HP (HAW29BC200) 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)
- 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



ABS-certified



ISO 9001:2015-certified



ATEX-approved



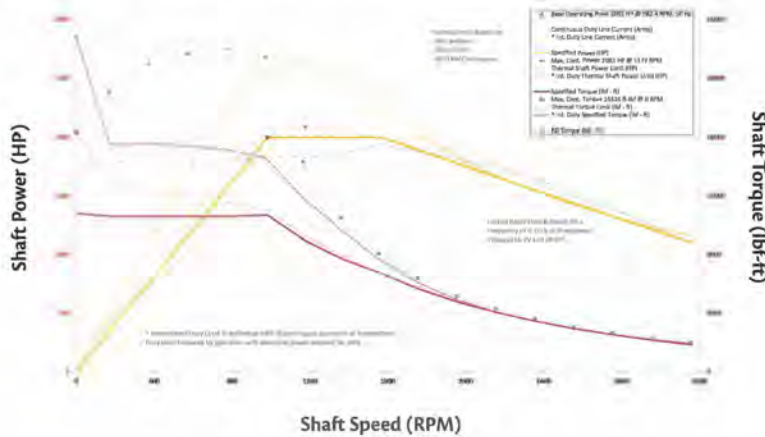
CSA-approved



2,000 HP AC Drilling Motor



Speed - Torque Performance That Leads the Industry



- Base Operating Point 2001 HP @ 982.4 RPM; 50 Hz
- Continuous Duty Line Current (Arms)
- Int. Duty Line Current (Arms)
- Specified Power (HP)
- Max. Cont. Power 2083 HP @ 1177 RPM
- Thermal Shaft Power Limit (HP)
- Int. Duty Thermal Shaft Power Limit (HP)
- Specified Torque (lbf - ft)
- Max. Cont. Torque 16326 ft-lbf @ 0 RPM
- Thermal Torque Limit (lbf - ft)
- Int. Duty Specified Torque (lbf - ft)
- BD Torque (lbf - ft)

Critical Data

Model number	HAW29BC200
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.



Houma Armature 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.houmaarmature.com.

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Dimensions

