

400 HP AC Drilling Motor – WL250040





Benchmark Performance for Oil & Gas Applications

In the oil and gas industries, motors must have optimal performance, reliability and long-life to withstand the most demanding environments. The 400 HP Drilling Motor was designed to endure rigorous high shock and vibration conditions for decades of continuous service in the harshest rig duty environments. The motor features a certified Class H - fully taped and sealed - insulation system that provides a solid barrier to dust, sand, oil and water and helps to extend the life of the motor.

Standard Features

- 4 pole stator
- Cast aluminum rotor bars
- Certified Class H insulation
- Fully taped with silicon tape
- Glass sleeving on bolted wire connections
- Fully vacuum impregnated
- Tested for 4 hours under water at 500 V
- 4140 and 4340 alloy shafts available
- Six 100Ω platinum RTDs; 2/phase embedded in stator

- Shaft seals and oil slingers on the drive and non-drive sides
- Designed for Variable Frequency
 Drive operation
- Designed for high shock environments
- Heater
- IP 44 motor enclosure
- ISO 9001:2008-certified
- ATEX and CSA-approved

Optional Features

- Encoder
- Bearing RTD
- Blower assembly
- Air pressure switch
- IP 56 junction box
- ABS certification



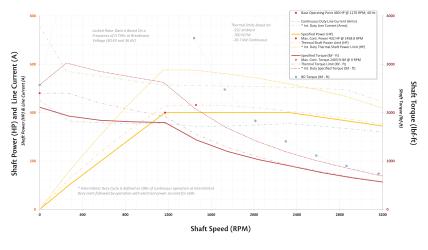






400 HP AC Drilling Motor

Speed - Torque Performance That Leads the Industry





Critical Data

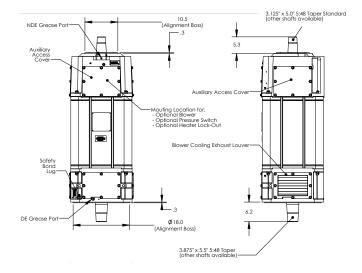
Model number	WL250040
Voltage (AC)	575 ±10%
Current (Amps)	350
Rated Speed	1172 RPM
Torque (lb ft)	1795 at rated speed
HP	400 at rated speed
Max. permissible speed	2340 RPM
Base motor weight Rotor weight	2,800 lbs. 800 lbs
Recommended blower CFM	700
Nominal resistance / phase @ 25°C	0.0139
Rotor balance	20.4 gram inches
Standard bearing grease	Mobil Unirex EP 2 *
Megger resistance	20 ΜΩ

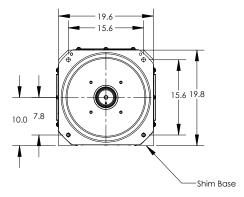
^{*} Others available upon request.



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Dimensions





401 Watertown Road, Thomaston, CT 06787

P: 860.283.5801 | F: 860.283.5777 | sales@wardleonard.com | WardLeonard.com