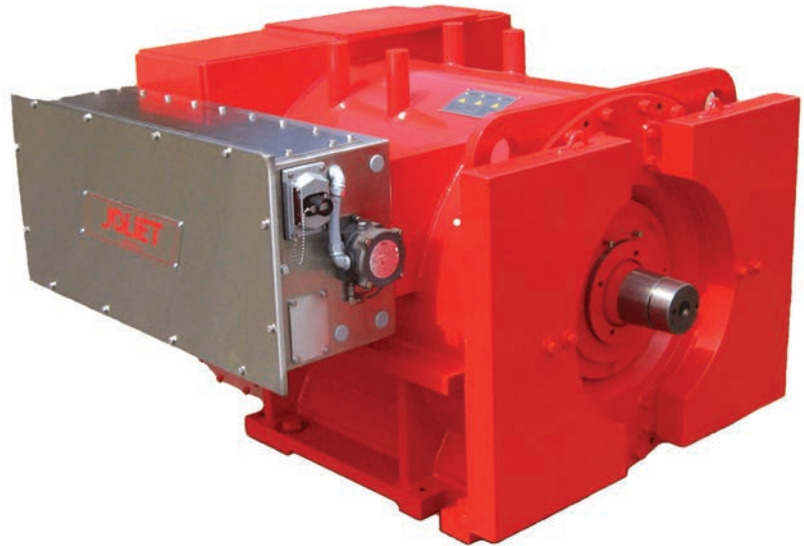




HTM1230 AC Drilling Motor

Joliet Electric Motors...
the quality source for
Drilling Motors.
For more than 80
years our motors
have delivered
Quality, Value and
Reliability...
Day-in—Day-out.



The Joliet Horizontal AC Drilling Motor delivers a continuous 1230 HP rating for mud pump and rotary table applications and boasts an impressive intermittent rating of 1845 HP for drawworks duty. The continuous rating is at 600 to 690 VAC, 1170 Amperes, 40.6 Hertz, 800/1400 RPM.

Joliet's HTM1230 has proven reliability throughout the drilling & marine industries and continues to meet & exceed all expectations. The **Joliet HTM1230** provides competitive pricing and unsurpassed quality.



P.O. Box 114
Joliet, Illinois 60434 USA

(800) 435-9350 (713) 467-7559
Fax: (713) 467-7887
www.jolietelectricmotors.com • tractionmotors.com

Features & Specifications

- **Form Wound (VPI).**
- **Copper Alloy Rotor Bars and End Rings.**
- Class H Insulation.
- **(VFD) Inverter Duty.**
- Single shaft with oilfield hub.
- **4532 Forged High-Strength Shaft for Radial Load.**
- OPE Insulated Bearing.
- IP44 Enclosure
- Pressurized connection box (IP56) mounted on left side of motor as viewed from non-drive end, with bolt on cable connections and terminations for pressure sensor, thermostat, space heater, lockout switch & blower unit. Connection box can be specified on right side.
- DE- Roller Bearing OPE – Roller Bearing.
- Blower Assembly; 15HP, Explosion Proof, 3 Phase, 60 Hz, 460 Volts, Providing 3000 CFM.
- (6) 100 Ohm Platinum RTD's (2) per phase.
- Pressure sensor, Explosion Proof.
- Lockout Switch, Explosion Proof.
- Space Heater, 120/240 Volt, Explosion Proof.
- Stub Shaft / Encoder Mount optional.
- Approx. Weight: 7,560 Lbs.

ENGINEERING DATA

- Motor Performance Curve –see above
 - Service Speed: Belt drive: 0~2300 RPM (min^{-1}).
(2300~3000 RPM: short time drive)
(0~3000 RPM (Direct coupling drive. Continuous drive).
 - Over speed: 3600 min^{-1}
 - Dielectric Test: 4025 V (900*2.25+2000, 900 V is inverter input Voltage)
 - Noise (@ No-Load): Approx. 91 dB(A) at 1m from motor frame
 - Bearing Type: Gear Side: Roller Bearing; Opp. Gear side: Roller Bearing
- | Rating: | Continuous | Intermittent |
|-----------------------------|------------|--------------|
| Output (HP) | 1230 | 1845 |
| Output (KW) | 918 | 1376 |
| Voltage (V) | 600 | 600 |
| Current (A) | 1170 | 1755 |
| Speed (min^{-1}) | 800 | 800 |
| Frequency (HZ) | 40.6 | 41.1 |
| Efficiency (%) | 94.7 | 92.9 |
| Power Factor (%) | 82.3 | 79.6 |
| Slip (%) | 1.18 | 2.33 |



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