

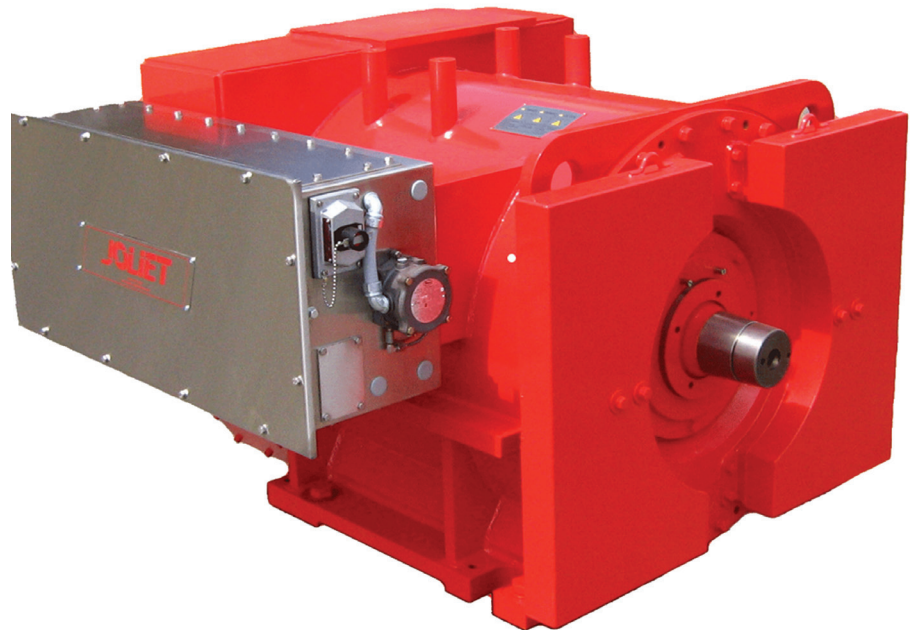
JOLIET HTM1500 AC Drilling Motor

Joliet Equipment Corporation...

the quality source for
Drilling Motors.

For more than 75
years our motors
have delivered
Quality, Value and
Reliability...

Day-in—Day-out.



The Joliet Horizontal AC Drilling Motor delivers a continuous 1500 HP rating for mud pump and rotary table applications and boasts an impressive intermittent rating of 2250 HP for drawworks duty. The continuous rating is at 600/690 VAC, 1350 Amperes, 45.6 Hertz, 900/1800 RPM.

Joliet's HTM1500 has proven reliability throughout the drilling & marine industries and continues to meet & exceed all expectations. The **Joliet HTM1500** provides competitive pricing and unsurpassed quality.

JOLIET

Joliet Equipment Corporation

P.O. Box 114

Joliet, Illinois 60434 USA

(800) 435-9350 (713) 467-7559

Fax: (713) 467-7887

www.joliet-equipment.com • tractionmotors.com

Features & Specifications

- **Form Wound.**
- Class 200 Insulation.
- **Copper Alloy Rotor Bars and End Rings.**
- Inverter Duty.
- Single shaft extension with hub.
- **4532 Forged High-Strength Shaft.**
- 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; 20hp Explosion Proof, 3 Phase, 60 Hz, 460 Volts, Providing 3900 CFM at 16" Ventilation Air.
- (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: 6,950 Lbs., 3,151 Kg.

ENGINEERING DATA

- Motor Performance Curve –see above
 - Service speed: Belt Drive: 0~2300 RPM (min^{-1})
(2300~3000 RPM: short time drive)
Optional: 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) | 1500 | 2250 |
| Output (KW) | 1118 | 1677 |
| Voltage (V) | 600/690 | 600/690 |
| Current (A) | 1350 | 2025 |
| Speed (min^{-1}) | 900 | 900 |
| Frequency (HZ) | 45.6 | 45.6 |
| Efficiency (%) | 94.5 | 94.5 |
| Power Factor (%) | 82.0 | 82.0 |

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