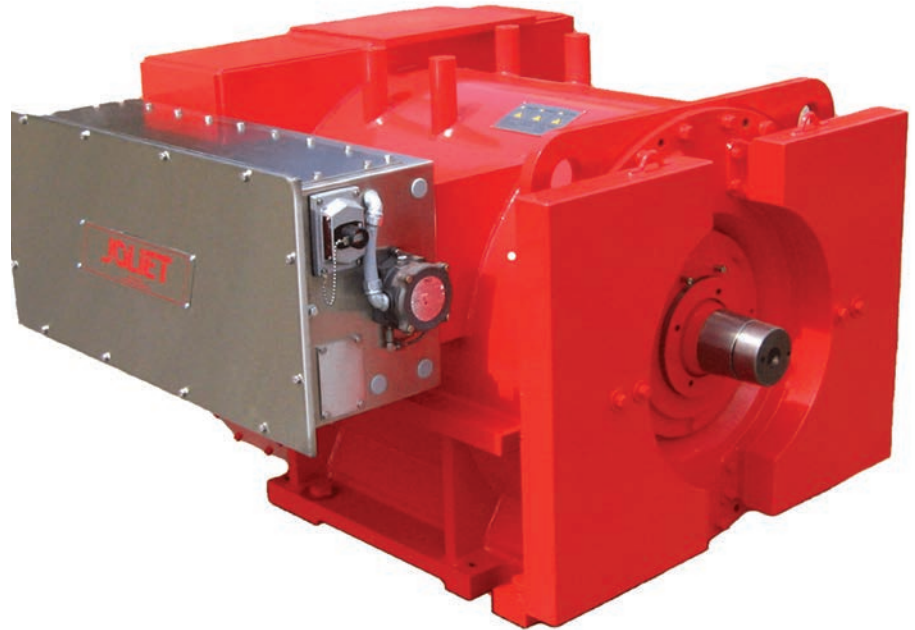




HTM1500 AC Drilling Motor

Joliet Electric Motors...
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 1875 HP for drawworks duty. The continuous rating is at 600 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.



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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

- 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($900 \times 2.25 + 2000$, 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	1875
Output (KW)	1118	1399
Voltage (V)	600	600
Current (A)	1350	1690
Speed (min^{-1})	900	900
Frequency (HZ)	45.6	45.6
Efficiency (%)	94.5	94.8
Power Factor (%)	86.4	85
Slip (%)	1.4	1.2

