



HTM1500-D 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 1500HP rating for mud pump and rotary table applications. The continuous rating is at 600 VAC, 1350 Amperes, 45.6 Hertz, 900/1800 RPM.

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



P.O. Box 114
Joliet, Illinois 60434 USA

(800) 435-9350 (713) 467-7559
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www.jolietelectricmotors.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 Alloy "Oversized" High-Strength Forged Shaft for Radial Load.**
- OPE Insulated Bearing.
- Pressurized connection box (IP54) 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.
- 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: 6,730 Lbs. 3,052 Kg.

ENGINEERING DATA

• Service Speed: Belt drive: 0~2300 RPM (min ⁻¹). (2300~3000 RPM: short time drive) (Optional: 0~3000 RPM (Direct coupling drive. Continuous drive).	Rating:	Continuous	Intermittent
• Over speed: 3600 min-1	Output (HP)	1500	2250
• Dielectric Test: 4025 V(900*2.25+2000, 900 V is inverter input Voltage)	Output (KW)	1119	1678
• Noise (@ No-Load): Approx. 91 dB(A) at 1m from motor frame	Voltage (V)	600	600
• Bearing Type: Gear Side: Roller Bearing; Opp. Gear side: Roller Bearing	Current (A)	1350	2025
	Speed (min-1)	900	900
	Frequency (HZ)	45.6	46.2
	Efficiency (%)	94.5	93.7
	Power Factor (%)	86.4	85.1
	Slip (%)	1.2	2.08



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