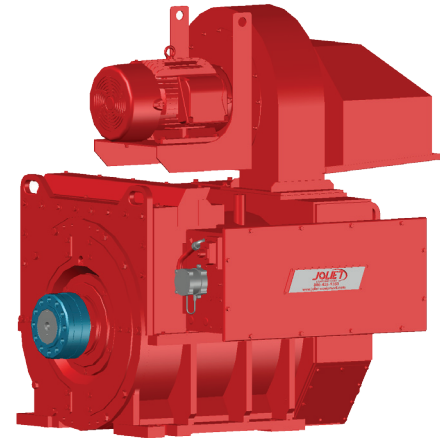


## Joliet Electric Motors

is committed to delivering integrated motor solutions to existing rig fleets and new builds. We focus on proven solutions that improve operational efficiency.



### **RATINGS:**

**Maximum Continuous Power:** 800HP (597 KW), 5253 lb-ft., 765 Amps, 600 - 690 VAC, 800 RPM  
Constant Output Speed: 800 – 1200 RPM

**Intermittent Duty Cycle:** 1200HP (895 KW), 7879 lb-ft., 1150 Amps, 600 - 690 VAC, 800 RPM  
**Duty Cycle:** 60 sec. ON, 120 sec. OFF Constant Output Speed: 800 - 1000 RPM

**Max RPM:** 3000  
**Ambient Temp.:** -40° to +55°

### **FEATURES & SPECIFICATIONS:**

- Form Wound (VPI).
- Copper Alloy Rotor Bars and End Rings.
- Class H Insulation.
- (VFD) Inverter Duty.
- 4532 Forged High-Strength Shaft.
- Single Shaft with Oilfield Hub.
- OPE Insulated Bearing.
- IP44 Enclosure
- Pressurized connection box (IP54) mounted on right or 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.
- Blower Assembly; 15HP, Explosion Proof, 3 Phase, 60 Hz, 460 Volts.
- (6) 100 Ohm Platinum RTD's (2) per phase.
- Pressure sensor, Explosion Proof.
- Lockout Switch, Explosion Proof.
- Space Heater, 120/240 Volt, Exoposion Proof.
- Stub Shaft / Encoder Mount optional.
- Approx. Weight: 5,400 Lbs. (Less Blower).

### **ENGINEERING DATA:**

- Service Speed:
  - Belt drive: 0~2300 RPM (2300~3000 RPM: short time drive).
  - Direct Coupled: 0~3000 RPM (Continuous).
- Dielectric Test: 4025 V (900\*2.25+2000, 900 V is inverter input Voltage).
- Permissible Vibration +/- 73.5 m/S<sup>2</sup> (+/-7.5G).
- Noise (@ No-Load): Approx. 91 dB(A) at 1m from motor frame.

<b><u>Rating:</u></b>	<b><u>Continuous:</u></b>	<b><u>Intermittent:</u></b>
Output (HP):	800	1200
Output (KW):	597	895
Voltage (V):	600	600
Current (A):	765	1150
Speed (min-1):	800	800
Frequency (Hz.):	41.0	41.0
Efficiency (%):	93.0	93.0
Power Factor (%):	77.0	77.0
Slip (%):	1.6	1.43