

Nidec**Power****KATO ENGINEERING™**

**Higher Horsepower.
More Torque.
Same Footprint.**

HAW13 | 600 - 800 HP Top Drive Drilling Motor

Drill deeper, faster, and more efficiently with the HAW13 High Power Density motor from Nidec Power. Utilizing proprietary intra-slot cooling technologies, the HAW13 delivers up to 33% more horsepower and torque than similar motors and will withstand rigorous high shock and vibration conditions for decades of continuous service in harsh environments.



Standard Features

- 4 pole stator with form wound windings
- Certified Class H insulation
 - Robotically taped Mica-Kapton
 - Glass sleeving on bolted wire connections
 - Fully vacuum impregnated
- 4140 and 4340 alloy shafts available
- Six 100Ω platinum RTDs; 2/phase embedded in stator
- Designed for Variable Frequency Drive operation
- Space Heater
- ISO 9001:2015-certified facility

Optional Features

- Encoder
- Bearing RTD
- Blower assembly
- Air pressure switch
- IP 56 junction box
- IP 44 motor enclosure
- Insulated bearing on non-drive end
- Double shaft extension (tapered, splined or keyed)
- ATEX, IECEx, CSA, ABS, DNV certifications available upon request

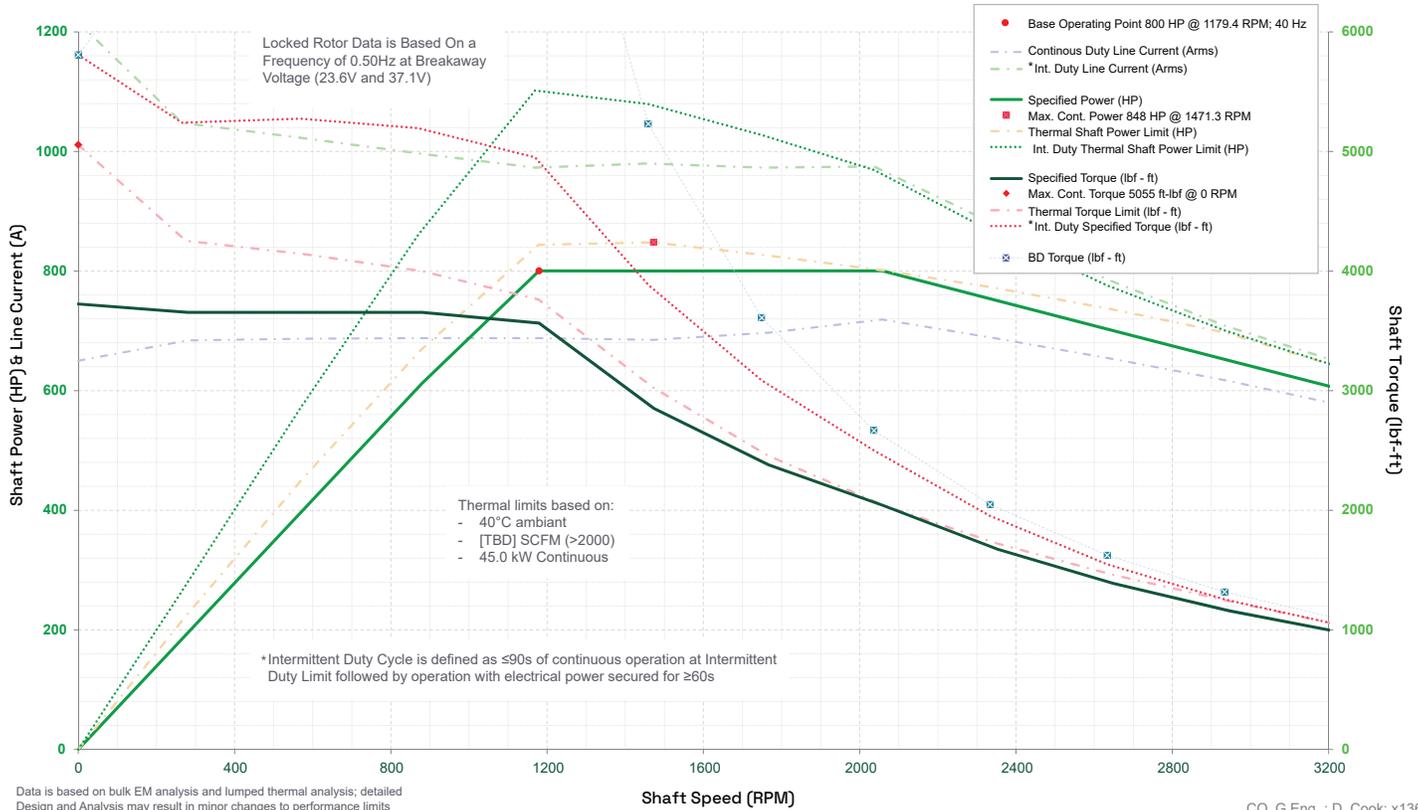
PROPRIETARY

HAW13BC080-590V Inverter Duty; Motor Performance Curves

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Prepared by Nidec Power



Model	HAW13
HP	800 at rated speed
Oil & Gas Applications	Top Drive / Rotary Table
AC Voltage	592 ±10%
Current (Amps) Full Load	686
Rated Frequency (Hz)	40
Torque (lb-ft) at rated speed	3560
Rated Speed (RPM)	1181
Max Speed (RPM)	2400

*Certificates available upon request.