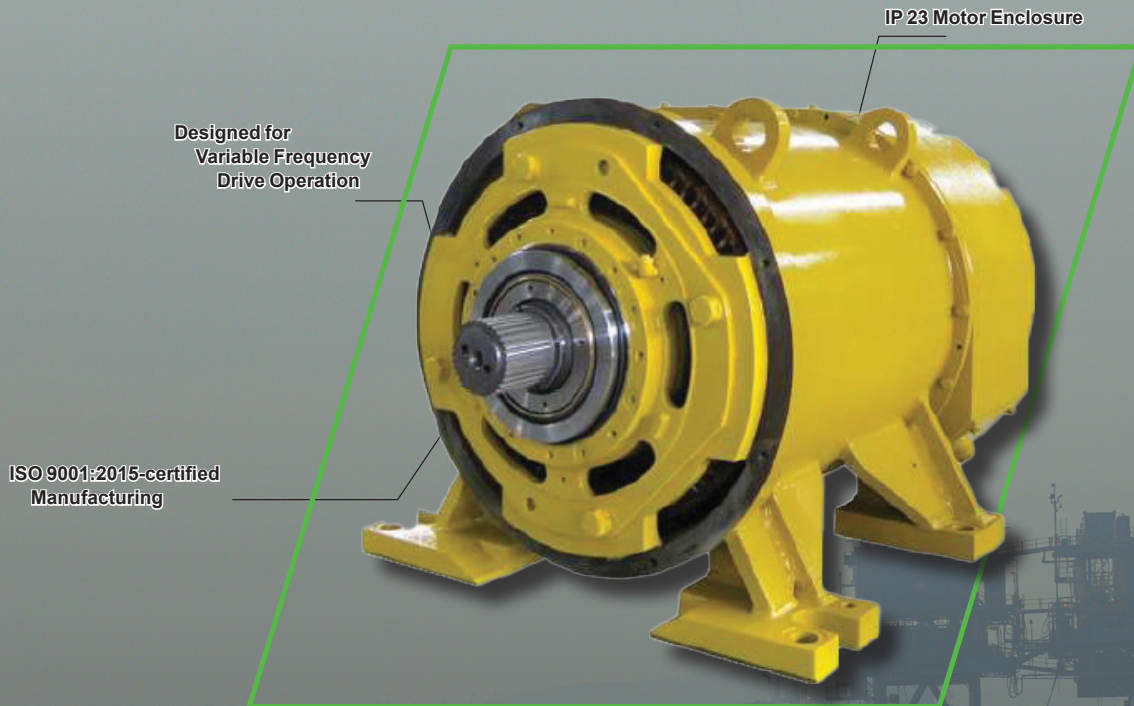


**Nidec****Power****KATO ENGINEERING™**

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

# HAW20 | 1150 HP AC Top Drive Drilling Motor

The Kato Engineering™ HAW20 AC Motor is designed to deliver or exceed customer specifications for performance, productivity, and durability. Engineered to withstand decades of continuous service, the rugged HAW20 motor is ideally suited for top drive applications in the extreme environments where oil and gas rigs operate either on or off-shore.



## Standard Features

- 6 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



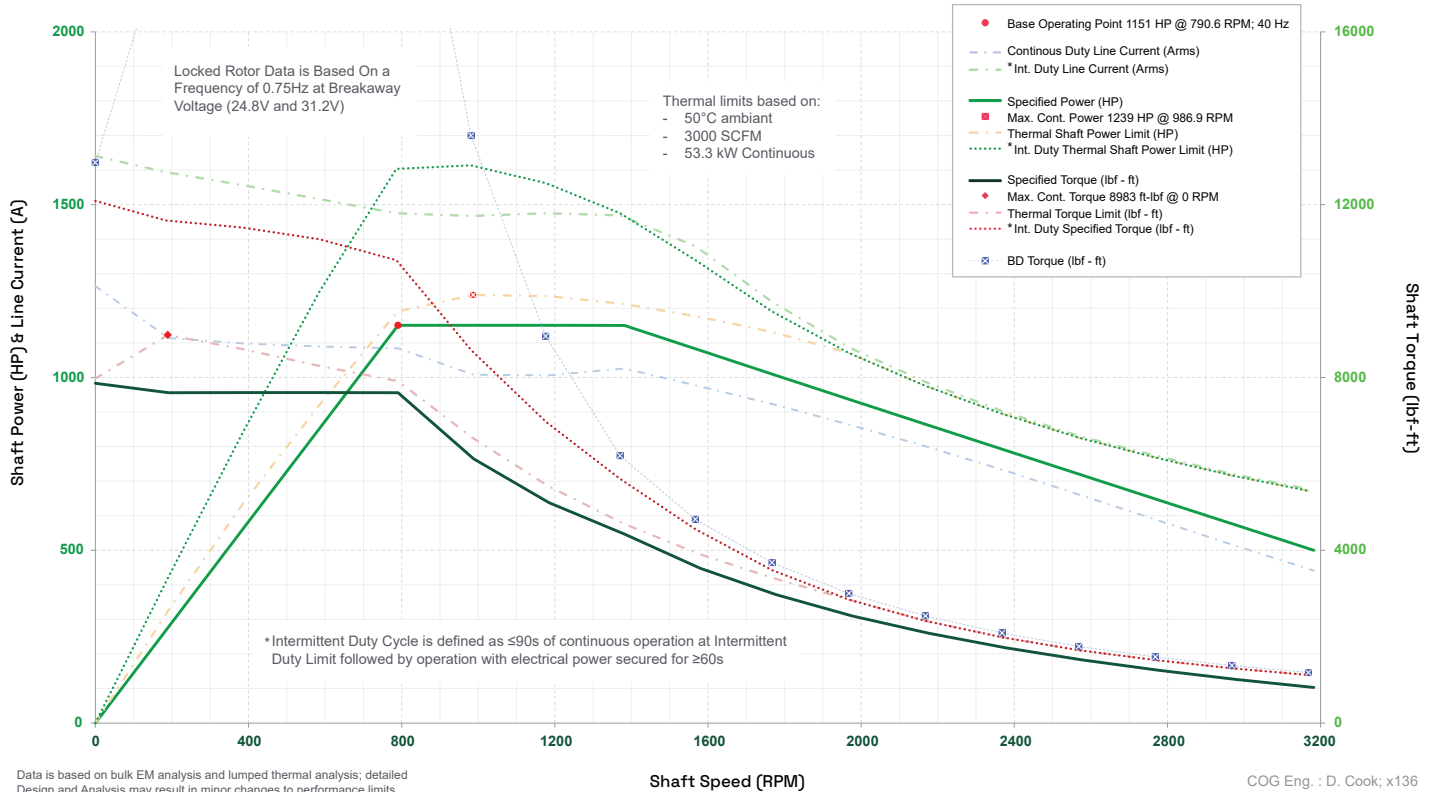
### PROPRIETARY

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### HAW20BC115-587V Inverter Duty; Motor Performance Curves

Prepared by Nidec Power

4/21/14 15:23



#### Model

#### HAW20

#### HP

1150 at rated speed

#### Oil & Gas Applications

Top Drive / Rotary Table

#### AC Voltage

575 ±10%

#### Current (Amps) Full Load

1120

#### Rated Frequency (Hz)

40

#### Torque (lb-ft) at rated speed

7610

#### Rated Speed (RPM)

795

#### Max Speed (RPM)

2300

\*Certificates available upon request.