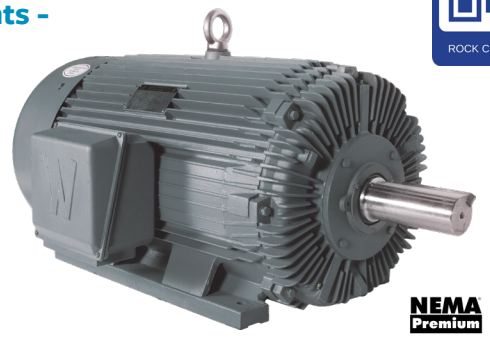
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Motors for Severe Duty Crusher Applications

ROCK CRUSHER MOTORS

- **Three-phase NEMA Premium Efficiency motors**
- **Withstands heavy daily usage in harsh environments - vibration, heat, dust, and debris**
- **High starting and breakdown torques**
- **250 - 600 hp**
- **460 Volts at 60 Hz (449T-586/7 Frame)**
- **1800 and 1200 rpm**
- **Frame Sizes: 449T - 586/7UZ**
- **1.15 Service Factor**
- **Inverter Duty/Ready (see below)**



Construction

- Totally Enclosed Fan Cooled (TEFC) enclosure
- Rigid base
- Inverter duty; 10:1 CT / 20:1 VT at 1.0 SF (1 - 400 hp)
- Inverter ready; 3:1 CT / 6:1 VT at 1.0 SF (450 - 600 hp)
- Vacuum Pressure Impregnation (VPI) System
- Oversized bearings
- 4140 high tensile strength steel radius cut shaft
- Circlip on the ODE bearing
- Metal clad V-ring seals
- Heavy gauge rolled steel fan cover
- Spike resistant inverter-grade magnet wire, per NEMA MG1 Part 31

Protection & Environmental

- IP55 protection
- Class F insulation
- CSA Certified; Class 1, DIV. 2, Grp. A, B, C, D (1 - 400 hp)
- DOE/EEV CC006A

Options (May not be available for all models)

- Ball bearing on DE for direct coupled applications
- Roller bearing on DE for belted applications
- Insulated ODE bearing
- F1/F2 convertible
- Double drilled feet (4, 6 or 12)

Applications

This motor is an excellent choice for many high-impact, heavy-duty industries and applications, such as heavy-duty belt drives, conveyors, and crushing applications in concrete and aggregate processing, or hammer mill, pellet mill, and chipper applications in the biomass industry.

1 Not all combinations of HP, frame and styles may be possible.

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