



SPARTAN ELECTRIC MOTOR DRIVES FOR GAS COMPRESSION

Solar[®] Turbines
A Caterpillar Company

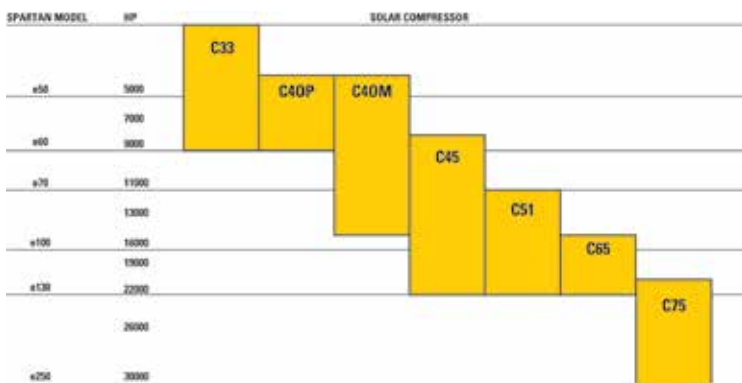
SPARTAN ELECTRIC MOTOR DRIVE COMPRESSOR SET

Solar Turbines has designed a standardized electric motor driven (EMD) compression solution for the onshore market called the Spartan™ EMD. This product provides the same customer experience offered with our other products – exceptional support throughout the equipment’s entire life cycle.

- **Standardized Product Configurations**
- **Pre-Engineered Package Design**
- **Expanded Power Range Drive Train**
- **Comprehensive Customer Services Product Support**

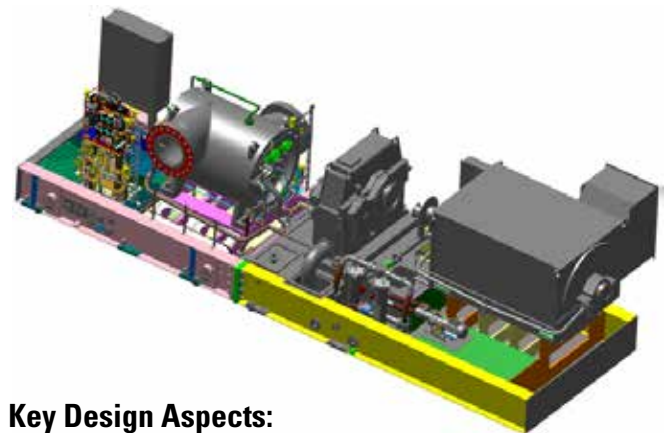


SPARTAN PRODUCT CONFIGURATIONS



Motor Matched to Compressor Capabilities

EMD PACKAGE DESIGN



Key Design Aspects:

- Integrated Oil System
- Gearbox Driven Main, AC Pre/Post Lube Oil Pump
- Maximum Component Accessibility for Serviceability
- Driven Skid Design for Multiple Driver Applications
- Two-Piece Skid for Transportability

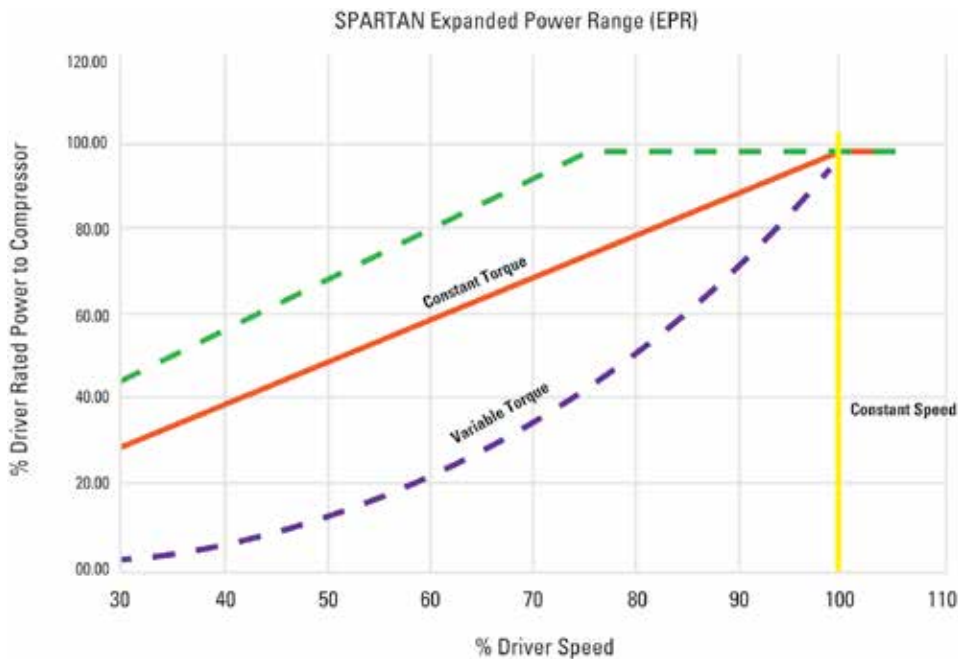
EXPANDED POWER RANGE DRIVE TRAIN

Constant power motor/variable frequency drive at 75-100% speed

- Power/speed characteristic similar to a gas turbine with broader compressor map coverage
- Higher speed margin without loss of power enabling better gearbox selection
- Increased flexibility for restaging compressor without changing gearbox
- Avoids higher sizing of electrical system (MCC, switchgear, etc.)

OPTIMIZED DRIVE TRAIN PERFORMANCE

VFD-EMD Power/Speed Characteristic



SPARTAN EMD PRODUCT SUPPORT

Solar as Service Provider for Entire Train and Package/Controls

- Single Point of Contact
- Annual Maintenance Programs
- Integration with InSight Systems™

Qualified Field Employees

- Authorized for Medium Voltage
- Service for All Drive Train Components
- Supported by Solar Network

Replacement Parts Through Solar

- Recommended Spare Parts Identified
- Failure Analysis, Tracking and Product Improvement



EXPERIENCE OUR CULTURE OF CUSTOMER CARE

The Solar Turbines team assures you of the highest quality experience, from your initial inquiry throughout your equipment's life. You'll profit from our six decades of experience with more than 15,000 packages installed in more than 100 countries. See what the Spartan EMD compressor package can do for you.

Contact us today:

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