



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**
- **Comprehensive Customer Services Product Support**

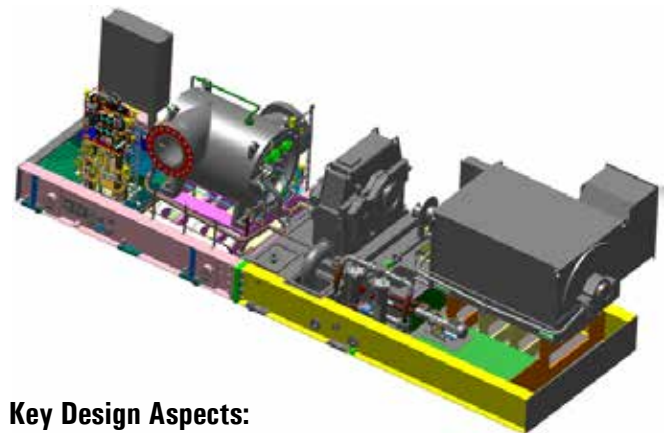


SPARTAN CONFIGURATIONS

SPARTAN MODEL	HP	SOLAR COMPRESSOR				
e50	5,000	C33	C40P	C40M	C45	C51
e60	7,000 9,000					
e90	11,000 13,000					
e130	16,000					
	19,000 22,000					C65
e250	26,000					
	30,000					C75

Motor Matched to Compressor Capabilities
Other Compressors Available Upon Request

EMD PACKAGE DESIGN



Key Design Aspects:

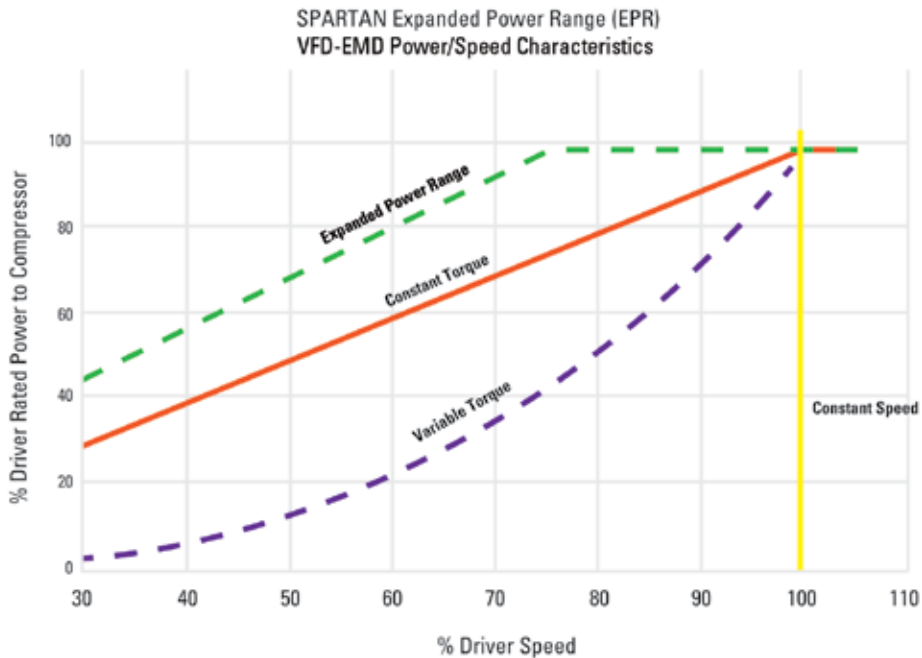
- Integrated Oil System
- Gearbox Driven Main, AC Pre/Post Lube Oil Pumps
- Maximum Component Access for Serviceability
- Pre-engineered for Easy Installation/Start-up
- Two-Piece Skid for Transportability

EXPANDED POWER RANGE DRIVE TRAIN

Full Power Motor/Variable Frequency Drive at 75-105% 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 larger sizing of electrical system (MCC, switchgear, etc.)

Optimized Drive Train Performance



SPARTAN EMD PRODUCT SUPPORT

Solar as Service Provider for Entire Train and Package/Controls

- Single Point of Contact for Support
- Annual Maintenance Programs
- InSight System™ for Equipment Health Management

Qualified Field Employees

- Authorized for Medium Voltage
- Service of All Drive Train Components
- Backed by Solar Technical Support Network

Replacement Parts Through Solar

- Recommended Spare Parts
- Obsolescence Management
- 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 reap the benefits of our six decades of experience with more than 15,000 turbomachinery 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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