



GT46-ACe Gen III

Progress Rail
A Caterpillar Company



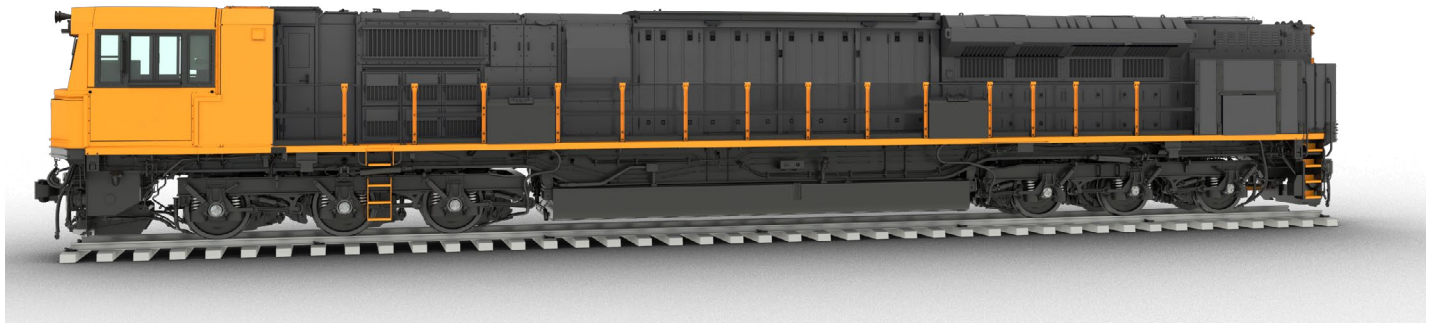
For more than 100 years we have produced the most durable, reliable and sustainable locomotive products and services in the rail industry. We design and manufacture diesel-electric locomotives for all commercial rail applications, with 65,000 EMD®-powered locomotives delivered to more than 75 countries. Our technology, leadership and superior performance drive our

reputation for exceptional quality, service and innovation.

Our range of EMD GT46C-ACe locomotives are engineered for best-in-class tractive effort and adhesion, while meeting Australia's demanding standards and conditions. This locomotive series integrates the EMD 710 Engine, providing world-class reliability and fuel-efficiency

and low lube oil consumption. The platform also features a redesigned crashworthy cab structure and fuel tank for operator safety, along with features for enhanced ergonomics and comfort.

Cabs are ergonomically designed to meet the visibility requirements for 5th percentile and 95th percentile people.



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GT46C-ACe Gen III Freight Locomotive Features and Benefits

The advanced technologies of the Gen III locomotive provide solutions for safety, reliability, efficiency and sustainability, while delivering superior performance and life-cycle cost optimization.

- Locomotive pre-engineered for conversion between narrow and standard gauge and left-hand right-hand drive for fleet de-risk and future flexibility
- Highly reliable 16-cylinder 710G3C engine
 - Meets emissions standards for U.S. EPA Tier 3
 - Option to tune for maximum fuel efficiency
 - Low oil consumption compared to competing engines
- Inverter-driven accessories for improved fuel economy
- Proven AC traction system with bogie control or individual axle control
- Designed to meet Australian crashworthiness standards and complaint with Rail Industry Safety and Standards Board (RISSB)
- Best-in-class cab design for ergonomics and comfort
- Extended 184-day maintenance interval
- Significant parts commonality with previous GT46 and SD70 locomotives
- Energy management solutions available including Talos™, AESS™, Continuous Idle and SmartConsist™
- Options for driver fatigue management and visual aids
- Options for in-line fueling and HOT/EOT equipment
- Option for PR Uptime™ next-generation rail predictive analytics platform
- PowerView™ digital event recorder with options for cameras and data off-boarding



GT46C-ACe Gen III Locomotive Technical Details

Overall Dimensions	Length 23.7 m
	Height 3,900 mm
	Weight 134 mT / 138 mT
Engine	16-710G3C-T3 (Tier 3) with ADEM™ fuel injection
Track Gauge	Narrow Gauge or Standard Gauge
Starting Tractive Effort	600 kN
Continuous Tractive Effort	138 mT narrow gauge: 430 kN @ 23kph
Top Speed	115 kph standard gauge
	80 kph narrow gauge
Cab	Isolated cab Single driving station
Traction Horsepower	4300Hp
Fuel Tank	8,200L capacity
Bogies	Fabricated frame, Semi-Steering