



LOCOMOTIVES



GT46C-ACe Gen II Freight Locomotive

For more than 90 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.

EMD GT46C-ACe Gen II 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.

The advanced technologies of EMD GT46C-ACe Gen II locomotives provide key product solutions for safety, reliability, efficiency and sustainability, while delivering superior performance and life cycle cost optimization.

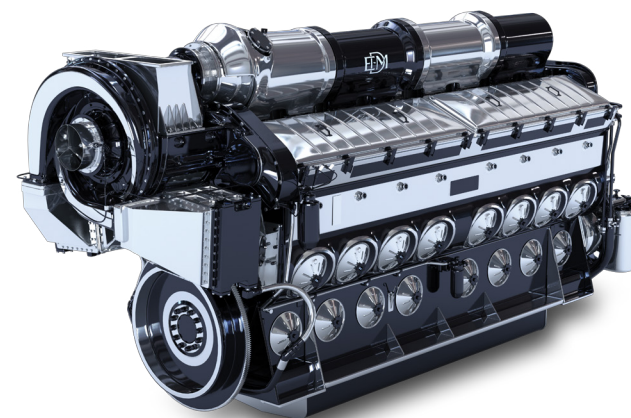


GT46C-ACe Freight Locomotive Features and Benefits

- ▶ **Highly reliable 16-cylinder 710 engine**
 - Meets emissions standards for up to U.S. EPA Tier 3
 - Tuned for maximum fuel efficiency
- ▶ **Inverter driven accessories for improved fuel economy**
- ▶ **Durable AC traction**
- ▶ **Designed to meet Australian crashworthiness standards**
- ▶ **Best-in-class cab design for ergonomics and comfort**
- ▶ **Extended 184-day maintenance interval**
- ▶ **Energy management solutions available including AESS and SmartConsist**
- ▶ **Options for driver fatigue management**
- ▶ **Option for EMD Uptime next-generation rail predictive analytics platform**
- ▶ **Available for a range of applications including regular and heavy axle loads, and standard and narrow gauge**

EM2000™ Microprocessor Control System

- ▶ **Excitation and load control**
- ▶ **Adhesion control**
- ▶ **Engine control**
- ▶ **Diagnostic system**
- ▶ **Archived unit history data**



GT46C-ACe Locomotive Technical Details

	GT46C-ACe	GT46C-ACe	GT46CU-ACe
Weight	134-139 mt	180 mt	138-150 mt
Track Gauge	1,435 mm	1,435 mm	1,067 mm
Diesel Engine	16-710	16-710	16-710
Gross Power	3,356 kW (4,500 BHP)	3,356 kW (4,500 BHP)	3,356 kW (4,500 BHP)
Starting Tractive Effort	600 kN	755 kN	640 kN
Continuous Tractive Effort	520 kN	700 kN	540 kN
EAB/ECP/WDP	Yes	Yes	Yes
Fuel Capacity	10,000 l	12,000 l	10,000 l
Axle Load	22-23 mt	30 mt	23-25 mt
Designed for	Australia	Australia	Australia