



A 4500BHP Common Platform for

- Regular and Heavy Axle Loads
- Standard and Narrow Gauge

**ELECTRO MOTIVE.**

FREIGHT LOCOMOTIVE

**GT46C-ACe Gen II**

## Technical Details

	GT46C-ACe	GT46C-ACe	GT46CU-ACe
Weight	134-139 tonnes	180 tonnes	138-150 tonnes
Track Gauge	Standard Gauge	Standard Gauge	Narrow Gauge
Engine	16-710G3C-T3	16-710G3C-T3	16-710G3C-T3
Gross Power	3356kW (4500BHP)	3356kW (4500BHP)	3356kW (4500BHP)
Traction Motor	1BT2630	A3432	A34xx
Starting Tractive Effort	600 kN	755 kN	640 kN
Continuous Tractive Effort	520 kN	700 kN	540 kN
EAB/ECP/WDP	Yes	Yes	Yes
Bogie Frame	Fabricated Steering	Cast HTSC Steering	Fabricated Steering
Fuel Capacity	10,000 L	12,000 L	10,000 L

## Features and Benefits

- Highly reliable 16-cylinder 710 engine
- Meets US EPA Tier 3 emissions
- EM2000™ microprocessor control system
- Durable AC traction
- 184-day maintenance interval
- Trip management capability through LEADER® and EMD AutoControl
- Optional Intellitrain™ remote monitoring and diagnostic services
- Additional fuel saving features available including AESS Gen II and EMD SmartConsist™

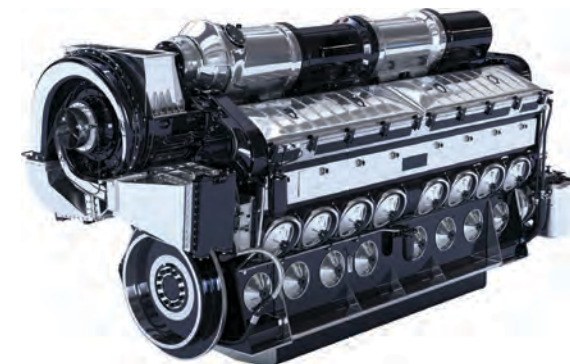
## The GT46C-ACe Gen II Series Locomotives

The GT46C-ACe Gen II Series locomotives were designed to achieve best in class tractive effort and adhesion while meeting the high level of Australian standards and conditions. Through the use of the 16-710G3C engine the GT46C Series capitalizes on EMD's ability to achieve world class fuel efficiency and low lube oil consumption, all within the crew comfort and safety of a newly redesigned ergonomic cab with a crashworthy structure and fuel tank.

The GT46C Series was designed with very high levels of commonality, including the same engine, electrical cabinet and auxiliary systems in each model. A fully integrated electrical locker provides ease of maintenance, while capitalizing on the high capacity SD70ACe phase modules used in the demanding power applications seen in North America and around the world. The auxiliary systems use lowpower efficient blowers with inverter-controlled AC motors.



Ergonomic Cab Design with Provision for ATMS



EMD 16-710G3C US EPA Tier 3 Engine

## Electro-Motive

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GT46C-ACe Gen II 180 Tonne with 12,000 L Fuel Tank, SD70ACe (HTSC) Bogies, and #2 End Platform