



For 100 years, EMD® has produced the most durable, reliable and sustainable locomotive products in the rail industry. We design and manufacture locomotives for all commercial rail applications, with over 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.

The EMD GT-Series locomotive platform includes GT38, GT42 and GT46 models. These locomotives integrate EMD 710-Series engines together with AC traction technology

to provide superior efficiency and performance for a broad range of operations. We pioneered development of AC traction for heavy haul diesel-electric locomotives, and today thousands of EMD AC locomotives operate worldwide providing enhanced adhesion performance and lower life cycle costs.

The advanced technologies of EMD GT-Series Locomotives provide key product solutions for safety, reliability, efficiency and sustainability, with GT38, GT42 and GT46 locomotives delivering optimal rail solutions in service across South America, the Middle East, Africa and Southeast Asia.

## BENEFITS

- Highly reliable and service proven EMD 710 engine
- AC traction inverters for increased reliability
- Cab and carbody engineered for improved visibility
- Option for EMD Uptime next-generation rail predictive analytics platform

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# EMD® GT-Series Locomotives

## GT-Series AC Locomotive Technical Details

	GT38	GT42	GT46
<b>Locomotive Traction System</b>	AC Traction	AC Traction	AC Traction
<b>Diesel Engine</b>	8-710	12-710	16-710
<b>Number of Axles</b>	6	6	6
<b>Traction Horsepower</b>	2,000 HP	3,000 HP	4,000 HP
<b>Maximum Speed (Depending on gear ratio selection)</b>	Up to 120 kph	Up to 120 kph	Up to 120 kph
<b>Fuel Capacity (usable)</b>	5,000 liters	8,300 liters	10,000 liters
<b>Maximum Weight</b>	114 mT	138 mT	168 mT
<b>Maximum Axle Load</b>	15-19 mT	19-23 mT	21-28 mT
<b>Track Gauge</b>	1,000 -1,676 mm	1,000 -1,676 mm	1,000 -1,676 mm



### FEATURES

- Able to meet emissions up to Tier 3 EPA levels
- Semi-steering bogie option for enhanced curve negotiation capability
- High capacity dynamic brake offers uniform braking effort over a wide speed range
- Inverter-driven accessories for improved fuel economy
- PR Uptime and PowerView are available as options

#### Microprocessor Control System

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