



## The EMD JT42ACe locomotive provides world class safety, reliability, efficiency, and sustainability in a new dual cab locomotive

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 service and mission proven JT42CWRM DC locomotive model has been updated to incorporate the EMD 710-Series engines together with AC traction technology to provide superior efficiency and performance for a broad range of operations. EMD 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.

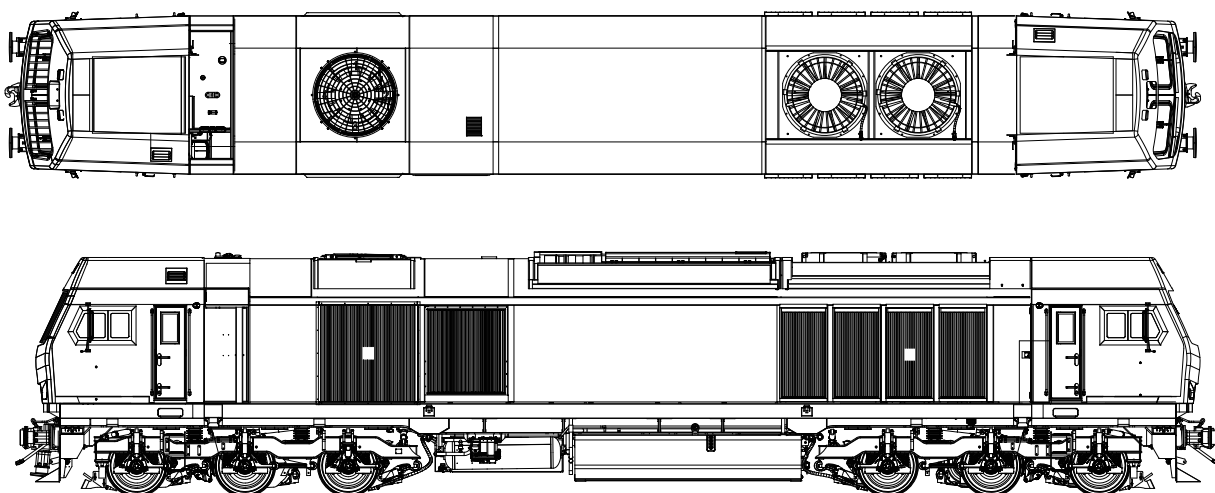
The advanced technologies of EMD JT-Series Locomotives provide key product solutions for safety, reliability, efficiency and sustainability, GT and JT model locomotives delivering optimal rail solutions in service across South America, the Middle East, Africa and Southeast Asia.

## BENEFITS

- Highly reliable and service proven EMD 710 engine
- Able to meet emissions up to Tier 3 EPA levels
- AC traction inverters for increased reliability
- Cabs and carbody engineered for improved visibility
- Reduced sound and vibration levels
- Option for EMD Uptime next-generation rail predictive analytics platform
- Individual Axle control — allows for traction inverter isolation
- Proven Microprocessor Control System — provides improved control over the main subsystems as well as locomotive diagnostics



## JT42ACe-Series AC Locomotive Technical Details



### JT42ACe

<b>Locomotive Traction System</b>	AC Traction
<b>Diesel Engine</b>	12-710
<b>Number of Axles</b>	6
<b>Traction Horsepower</b>	3,000 HP
<b>Maximum Speed (Depending on gear ratio selection)</b>	Up to 140 kph
<b>Fuel Capacity (usable)</b>	Up to 6,400 liters
<b>Maximum Weight</b>	Up to 138 mT
<b>Maximum Axle Load</b>	21-23 mT
<b>Track Gauge</b>	1,000 mm -1,676 mm

### FEATURES

- Able to meet emissions up to Tier 3 EPA levels
- Self-steering bogie option for enhanced curve negotiation capability
- High capacity dynamic brake offers uniform braking effort over a wide speed range
- AESS (Automatic Engine Start/Stop) – saving fuel, noise and emissions.
- Adhesion level – up to 35% (Dry conditions)
- Inverter-driven accessories for improved fuel economy
- Reduced sound and vibration levels

#### Options available:

- PR Uptime
- PowerView Event Recorder Camera System
- Toilet
- Fire Suppression System