



LOCOMOTIVES



JT42CWRM 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.

The dual-cab EMD JT42CWRM Locomotive was introduced in 1988 in the United Kingdom. This 3,000 traction horsepower locomotive features the EMD 710-Series Engine and complies with EU Stage IIIA emissions standards. Recognized for exceptional reliability and fuel efficiency, the JT42CWRM offers increased revenue tonnage capability and the opportunity for unit reduction, to significantly improve efficiency and reduce operating and maintenance costs.

Hundreds of JT42CWRM locomotives have been delivered in the United Kingdom and to rail operators across continental Europe, in addition to Egypt and Gabon. The advanced technologies of this service-proven model provide key product solutions for safety, reliability, efficiency and sustainability, while delivering leading performance and life cycle cost optimization for rail operators.

JT42CWRM Freight Locomotive Features and Benefits

- ▶ **Highly reliable and fuel efficient 12-710 engine**
 - > **Certified to EU Stage IIIA emissions standards**
 - > **Optimized for fuel efficiency**
- ▶ **Dual cabs engineered for operator safety and comfort, including quiet cab package**
- ▶ **High performance DC traction system**
- ▶ **EMD HPCR-E radial bogie for increased safety, improved adhesion and longer maintenance interval**
- ▶ **Optional IntelliTrain® remote monitoring and diagnostic services**

EM2000™ Microprocessor Control System

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

JT42CWRM Locomotive Technical Details

Locomotive Traction System DC Traction	Standard Gauge Diesel Electric
Diesel Engine	12-710
Number of Axles	6
Height	3,900 mm
Overall Length	20,100 mm
Horsepower	3,245 hp / 2,420 kW
Maximum Speed	120 kph
Continuous Tractive Effort	260 kN
Starting Tractive Effort	409 kN
Fuel Capacity	6,400 l
Maintenance Interval	184 days
Nominal Weight	129.6 mT
Axle Load	22 mT
Track Gauge	1,435 mm
Designed for	UK and Africa