

EMD

CLASS 66

FREIGHT LOCOMOTIVE

INFORMATION FOR MATI ON  
P R O D U C T



NOW CERTIFIED FOR USE IN FRANCE

CONFORMS WITH EUROPEAN  
STAGE IIIA EXHAUST EMISSIONS  
REGULATIONS & TSI NOISE

JT42CWRM

2.420kW

[www.EMDiesels.com](http://www.EMDiesels.com)

**ELECTRO MOTIVE®**

## THE CLASS 66

EMD's Class 66 (JT42CWRM) locomotive has been winning praise and improving railway efficiency since its introduction in the UK 1998. Providing high reliability and availability, the Class 66 delivers fuel savings, additional revenue tonnage capability, and unit reduction which significantly reduces maintenance and operating costs. Newly updated, the Class 66 is fully compliant with EU Stage IIIA exhaust emissions levels, has a more comfortable noise reducing cabin, and optional air conditioning (*available on the Continental Class 66*) to further increase driver comfort. Having been certified in 10 countries already, EMD now adds France to the list of countries to welcome the Class 66 for cross-border operations.

### PERFORMANCE SPECIFICATIONS

- 2.268 kW traction
- High tractive effort capability:  
409 kN starting  
260 kN continuous at 25,6 km/h
- Braking distance during wet & dry conditions of 594 meters at 97 kph
- Maximum speed of 120 km/h
- Multiple unit operation capable

### KEY FIGURES

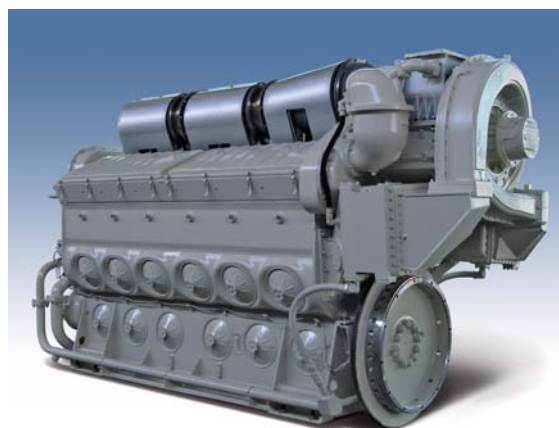
- Total weight on rails: 129,6 tonnes
- Height: 3,9 meters
- Overall length: 20,1 meters
- Usable fuel capacity: 6.400 liters
  - Continental Europe 6.400 liters
  - United Kingdom 5.670 liters
- Retention tank: 227 liters
- Lube oil capacity: 625 liters
- Sand boxes: 8 boxes of  
42,5 liters each

### ELECTRICAL TRANSMISSION

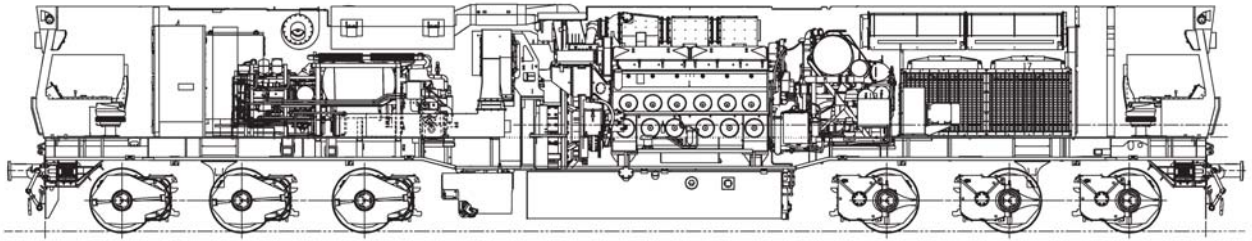
- AR8/CA6 traction generator
- 18 kW "Super" auxiliary generator
- Six D43TRC traction motors

### ENGINE

- 2.420 kW 12N-710G3B-T2 engine
- High efficiency turbocharger
- Electronic fuel injection
- World class fuel efficiency
- 10-year engine overhaul period
- Conforms with European Union Stage IIIA Exhaust Emissions



*12N-710G3B-T2 Engine:  
Complies with EU Stage IIIA Regulations*



Class 66 General Arrangement

**AIR SYSTEM**

- Westinghouse PBL air brake system
- Direct-drive WLNA type air compressor, overhaul interval 7 yrs.

**CAB FEATURES**

- Left-hand drive arrangement
- Air-operated windscreen wipers
- Cab “quiet package”
- 4,5 kW electric cab heaters
- Multi-resettable vigilance controls
- Electronic event recorder
- Cab appurtenances\*
- Various cab seat selections\*
- Air conditioning\* (*continental only*)



D43 Traction Motor

**EM2000 ADVANCED COMPUTER**

- Utilizes 32-bit microprocessor
- Reduction in modules and components
- Improved reliability and performance
- Information can be downloaded to a lap-top computer
- Flexible and expandable to accomodate future system enhancements
- Self-diagnostics
- Archived unit history data
- Slow speed control



EM2000 Computer Application

**SERVICES**

- Full maintenance\*

\* *optional*

## HTCR-E RADIAL BOGIE

- Angles of attack and curving loads are significantly lower than conventional 3-axle bogies
- Reduced risk of derailment due to lower lateral rail forces
- Permits operation of 6-axle locomotives in territory typically restricted to 4-axle locomotives
- Reduced component wear extends bogie overhaul intervals to 1,6 million km
- Low weight shift for high adhesion efficiency

## SAFETY ASPECTS

- Collision protection beam 300 kN at cab front
- Impact resistant windscreen up to 320 km/h
- Cab structure penetration resistant (900 g) up to 240 km/h

## RELIABILITY and SERVICEABILITY

- 180-day maintenance intervals
- 20-year engine major overhaul period

## HOMOLOGATION and CONFIGURATIONS

- Certified for use in Great Britain, Sweden, Norway, Belgium, Luxembourg, Germany, Denmark, The Netherlands, Romania, France and Poland.
- Cross border operations:
  - France — Germany — Belgium.
  - Germany — Belgium — The Netherlands — Poland.



*France - Belgium - Germany border crossing system*

- Additional certifications expected:
  - Czech Republic
  - Slovak Republic
  - ETCS application

## CONTACT US

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# ELECTROMOTIVE®