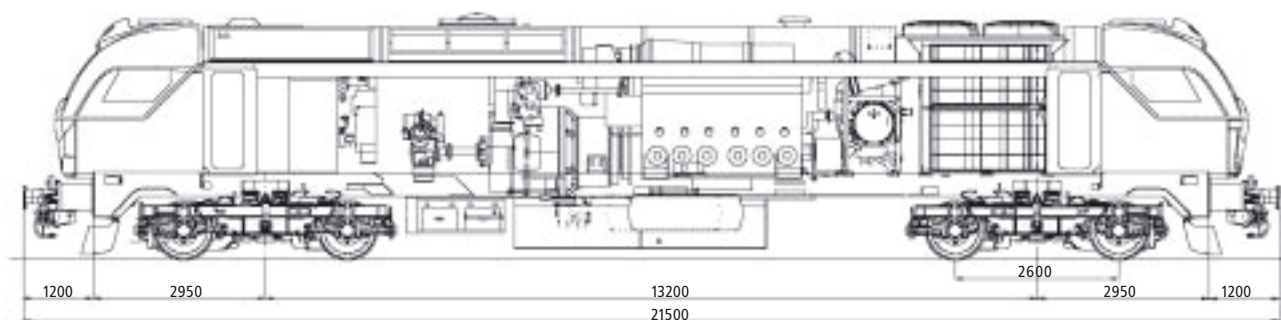




# EURO 3000 Freight

Diesel-Electric Locomotives



### GENERAL CHARACTERISTICS

<b>Axle arrangement:</b>	<b>Bo'Bo'</b>
<b>Gauge:</b>	<b>1435 mm</b>
<b>Loading gauge:</b>	<b>UIC 505-1</b>
<b>Weight:</b>	<b>82 t</b>
<b>Axle load:</b>	<b>20,5 t</b>
<b>Maximum speed:</b>	<b>120 km/h</b>
<b>Starting tractive effort:</b>	<b>280 kN</b>
<b>Cabs:</b>	<b>Two, Air-Conditioned</b>
<b>Coupler:</b>	<b>UIC type</b>
<b>Crash:</b>	<b>prEN15227</b>
<b>Fuel tank:</b>	<b>3000 l (OPT. 4000 l)</b>
<b>Multiple unit:</b>	<b>Yes</b>
<b>Emissions:</b>	
- Noise:	<b>TSI Conventional Rolling Stock</b>
- Exhaust:	<b>EU97/68 Stage IIIA</b>

Diesel engine	
Manufacturer	EMD
Model	12-710 G3C-U2
Power	2460 kW
Number of cylinders	12
Rated speed	926 rpm

Brake system	
Pneumatic	UIC Electropneumatic
Dynamic brake	OPT.
Wheel slide protection	YES
Compressor:	
- Gardner Denver WLN G9B	
- 5910 l/min Displacement at 926 rpm	
Air capacity	1000 l

Electrical transmission	
Type	AC/DC
Traction motors	4 X D43
Main generator	AR 9 (OPT. AR 10)
Dynamic brake	700 Amp. (opt.)

Bogie	
Body shell	Fabricated steel
Axle	Hollow, EA1N
Wheel	1016 mm, R7T
Suspensions:	
- Primary: Coil springs	
- Vertical and horizontal dampers	
Traction motor	Nose suspended
Brake	Shoes and/or disk possibilities

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### Performance Curves

