



PRE METRO OPERATIONS LTD - CLASS 139

Efficient, Clean, Economic

An independent study has confirmed that Pre Metro Operations Ltd Class 139 vehicle is highly efficient when it comes to running costs and is extremely environmentally friendly when it comes to Carbon Dioxide emissions.

When using Office of Road and Rail (ORR) standard reporting benchmarks, the Class 139 demonstrates a very economic running cost of £70 per Train Hour, excluding vehicle lease costs. In comparison, results from the Train Operating Companies on regional services operate at a range of £433 through to £736 per Train Hour.

This statistic is further substantiated when comparing service running costs over Train Kilometres. Train Operating Companies running costs per Train Kilometre range between £7.60 and £16.60 whereas the Class 139 can boast of running costs of just £5.57 per Train Kilometre.

The lightweight Class 139 weighs only a third of the Class 153 Super Sprinter and has far less of an impact upon the permanent way as a result. Reduced maintenance of the infrastructure drives down the whole life cost impact upon a business case and is further evidence that the Class 139 can provide extremely economic solutions to modern public transport.

ECONOMIC



CLEAN

Carbon Dioxide Emissions Averaged Results (Measured in Kilograms of Carbon Dioxide per Passenger Kilometre)	
Vehicle Type	KgCO2pK
Tram	0.0672
Class 139	0.0679
Small Car 2 Passenger	0.0763
Bus	0.0780
Train	0.0802
Large Car 2 Passenger	0.1277
Motorcycle	0.1174
Plane	0.1392
Small Car 1 Passenger	0.1530
Large Car 1 Passenger	0.2552

When it comes to providing cleaner public transportation, the Class 139 demonstrates impressive results when compared to all transport modes as highlighted in the table of Carbon Dioxide Emissions per Passenger Kilometre.

The Department for Environment Food & Rural Affairs (DEFRA), along with other respected environmental organisations, use Kilograms of Carbon Dioxide per Passenger Kilometre (KgCO2pK) as a standard benchmark of comparing the environmental impact of different transportation modes. The Class 139 provides the cleanest transport solution to operators who do not want to invest in expensive substations along the route.

The Class 139 provides Efficient, Clean and Economic solutions to modern public transport challenges through proven lightweight technology.

RELIABLE – 99.71% Service Reliability during 2015/16

PROVEN – Over 3.9million passenger journeys

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