



Advanced Passenger Train

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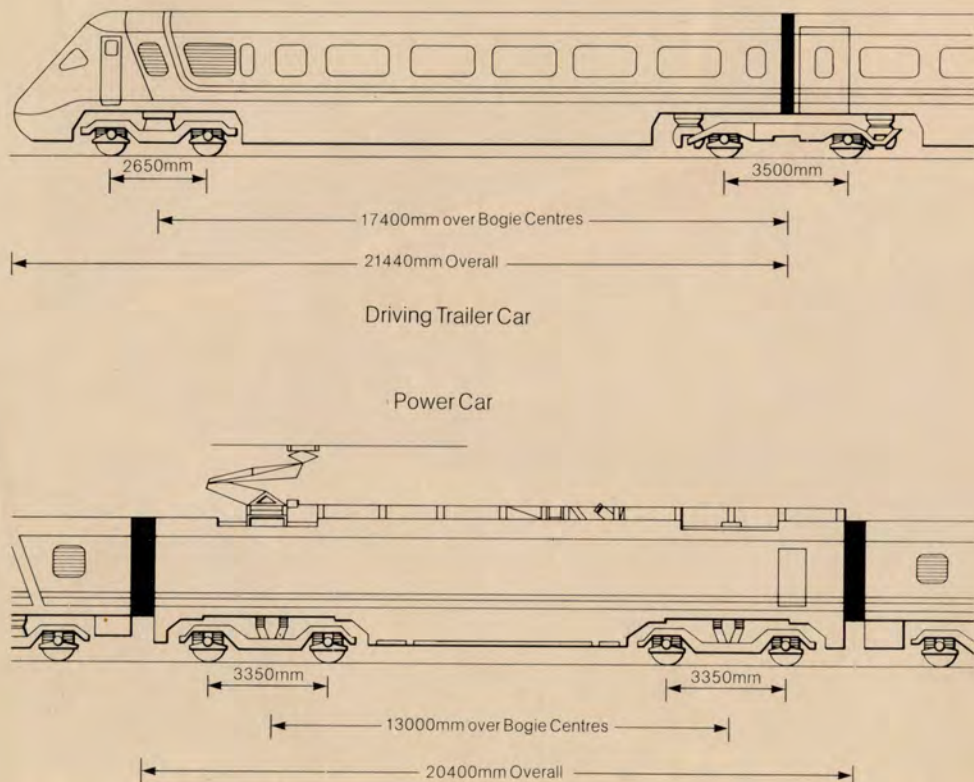
The Advanced Passenger Train represents the biggest single step in improved performance yet made by any railway.

The train has a number of advanced features including a top speed of 250km/h on existing track, a unique tilting system which enables the train to negotiate curves up to 40% faster than conventional trains, low energy consumption, power operated exterior sliding doors and full air conditioning.

The trailer cars are constructed of aluminium alloy which gives a weight saving of 40% over conventional coaches with no loss of strength and the train is equipped with a dual braking system, allowing it to stop in the same distance as other trains travelling at slower speeds.

Built for British Rail.

BRE-METRO WORLDWIDE 



Facts and Figures

Power Car

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|--|---|
| Supply | 25 kV 50Hz Overhead |
| Power equipment | Thyristor controlled, separately excited motors |
| Continuous Rating (2 power cars) | 6MW at rail |
| Maximum Tractive Effort (2 power cars) | 210 kN |
| Maximum service speed | 250 km/h |
| Auxiliary supply | 800 kVA, 415V 50Hz, 3 phase |
| Weight (in service) | 67.5 tonne |
| Steel bodyshell | |
| Automatic tilt mechanism | |
| Bogies | Steel helicoil springs and hydrokinetic braked |

Trailer Car Features

Aluminium alloy bodyshell
 Grouped equipment modules on underframe
 Air sprung/hydrokinetic braked bogies
 Automatic tilt mechanism
 Public address
 Chemical toilets