



Advanced Passenger Train

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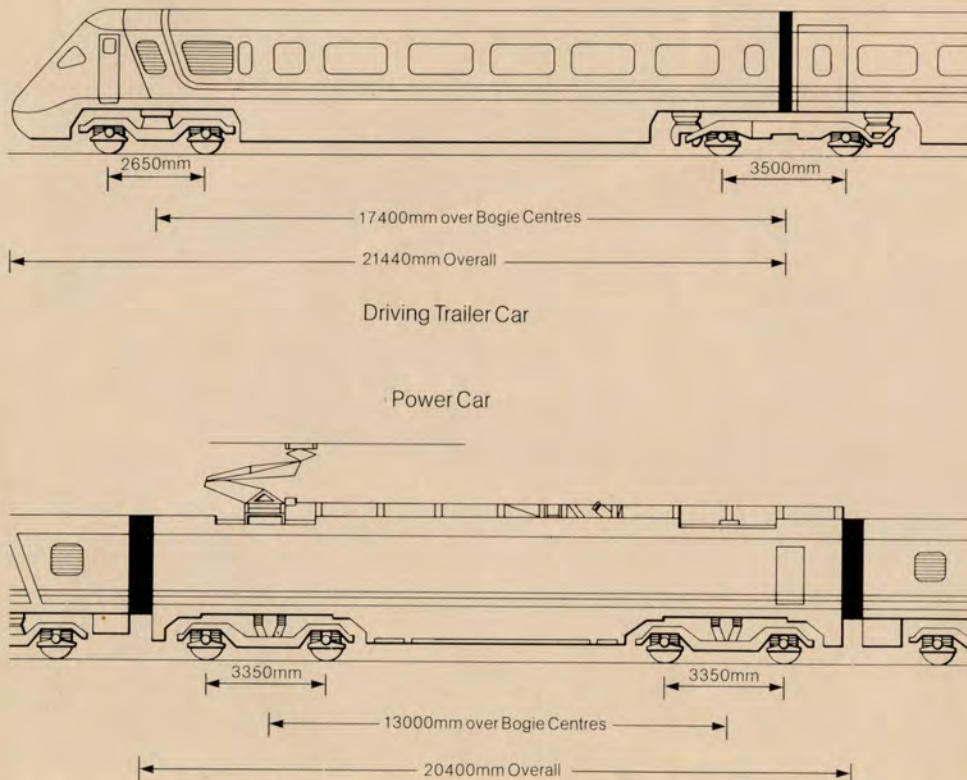
The Advanced Passenger Train represents the biggest single step in improved performance yet made by any railway.

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

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