

Class 345 Data



Mass – 319 tonnes
Maximum Power (At Rail) – 4.4 MW
Maximum Speed – 90mph
Unit End Coupler – Dellner 12
Unit End Coupler Height – 925mm
Unit Length – 204,730mm over coupler planes
Floor Height – 1,145mm (1,100mm at the foot step)
Vehicle Width (wastrail) – 2,772mm
Vehicle Length – DMS – 23,615mm, over coupler planes
Vehicle Length – Intermediate Cars – 22,500mm, over coupler planes
Vehicle Height – 3,760mm
Bogie Centres – 16,000mm
No of Pantographs – Two
No of motor bogies – ten
No of traction motors – twenty
Traction Motor Rating – 250kW
Doors – Sliding Plug – 1,450mm
Door Spacing – 7,500mm
Formation – DMS, PMS, MS, MS, TS(W), MS, MS, PMS, DMS
Braking – Disc & Regenerative Braking
Bogie Type – FLEXX Eco
Bogie Wheelbase – 2,250mm
Carbody Construction – Aluminium Extrusion (steel cabs)
Gangways – Full Width, 1,500mm
Wheelchair Locations – four
Universal Tip-Up Seat Areas – ten
Seated Capacity – 454 seated passengers
Standing Capacity – 1046 standing passengers @ 4/m²
Total Capacity – 1500 passengers
Passenger Information Displays – four colour TFT screens per car
Saloon Lighting - LED
Signalling Systems – AWS/TPWS, Level 2 ETCS & Siemens Trainguard™ CBTC