



Electric locomotives





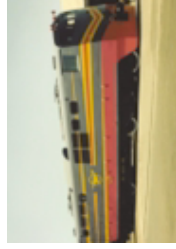
VEHICLE TYPE
Class 5E/5E1
TECHNICAL DATA SUMMARY
 3kV DC; 1067mm Gauge; Bo-Bo; Wheel diameter 1220mm; Speed 90km/h max.; Total mass 88.9t (21.7t/axle); 250kN TE (starting), 122kN TE (Continuous); 1940kW (One hr power rating); 458kW (Continuous); Gear Ratio 18/67; Dual cab; General Freight Business, Iron ore.



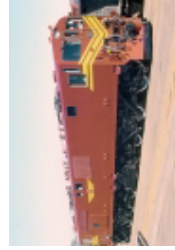
VEHICLE TYPE
Class 10E1
TECHNICAL DATA SUMMARY
 3kV DC; 1067mm Gauge; Co-Co; Wheel diameter 1220mm; Speed 90km/h max.; Total mass 125t (20.8t/axle); 450kN TE (starting), 310kN TE (Continuous @ 35km/h); 3240kW (One hr power rating); 3090kW (Continuous); Gear Ratio 17/87; Dual cab; General Freight Business, Iron ore.



VEHICLE TYPE
Class 6E/6E1
TECHNICAL DATA SUMMARY
 3kV DC; 1067mm Gauge; Bo-Bo; Wheel diameter 1220mm; Speed 115km/h max.; Total mass 88.9t (22.3t/axle); 311kN TE (starting), 193kN TE (Continuous); 2492kW (One hr power rating), 2252kW (Continuous); Gear Ratio 18/67; Dual cab; General Freight Business, Iron ore.



VEHICLE TYPE
Class 12E
TECHNICAL DATA SUMMARY
 Modified 6E1; 3kV DC; 1067mm Gauge; Bo-Bo; Wheel diameter 1220mm; Speed 150km/h max.; Total mass 83.6t (20.9t/axle); 249kN TE (starting), 149kN TE (Continuous); 2492kW (One hr power rating); 2252kW (Continuous); Gear Ratio 23/66; Single cab & Conductors room; Intercity passenger service, "Metrobiltz" (Jhb. - Pretoria).



VEHICLE TYPE
Class 7E/7E2
TECHNICAL DATA SUMMARY
 25kV AC; 1067mm Gauge; Co-Co; Wheel diameter 1220mm; Speed 100km/h max.; Total mass 123.5t (20.6t/axle); 450kN TE (starting), 300kN TE (Continuous); 3240kW (One hr power rating), 3000kW (Continuous); Gear Ratio 20/117; Dual cab; General Freight Business, COALink.



VEHICLE TYPE
Class E100
TECHNICAL DATA SUMMARY
 25kV AC; 1067mm Gauge; Bo-Bo; Speed 110km/h max.; Total mass 72t (18t/axle); 2050kW; Gear Ratio 18/67; Dual cab; General Freight Business, Passenger train haulage.



VEHICLE TYPE
Class 8E
TECHNICAL DATA SUMMARY
 3kV DC; 1067mm Gauge; Bo-Bo; Wheel diameter 1220mm; Speed 115km/h max.; Total mass 82t (20.5t/axle); 288kN TE (starting), 145kN TE (Continuous @ 17km/h); 800kW (One hr power rating), 704kW (Continuous); Gear Ratio 17/115; Single central cab; General Freight Business, Shunting.



VEHICLE TYPE
Class 38 Diesel Electric / Electric
TECHNICAL DATA SUMMARY
 Dual Mode - 3kV DC Electrical or Diesel Electric; Single Cab (360° View); 1067mm Gauge; Wheel diameter 1054mm; Speed 100km/h max.; Total mass 74t (18.5t/axle); 260kN TE (starting @ 35% adhesion), 180kN TE (Continuous @ 30km/h); 1500kW/600kW (electric/diesel); Caterpillar 3508 diesel engine; Mainline Freight Business and Shunting.



VEHICLE TYPE
Class 8E
TECHNICAL DATA SUMMARY
 3kV DC; 1067mm Gauge; Bo-Bo; Wheel diameter 1220mm; Speed 115km/h max.; Total mass 82t (20.5t/axle); 288kN TE (starting), 145kN TE (Continuous @ 17km/h); 800kW (One hr power rating), 704kW (Continuous); Gear Ratio 17/115; Single central cab; General Freight Business, Shunting.



VEHICLE TYPE
Class 38E
TECHNICAL DATA SUMMARY
 Single mode - 3kV DC; Single Cab (360° View); 1067mm Gauge; Wheel diameter 1054mm; Speed 100km/h max.; Total mass 74t (18.5t/axle); 260kN TE (starting @ 35% adhesion), 230kN TE (Continuous @ 30km/h); 1800kW; Mainline Freight Business and Shunting.



VEHICLE TYPE
Class 9E
TECHNICAL DATA SUMMARY
 50kV AC; 1067mm Gauge; Co-Co; Wheel diameter 1220mm; Speed 90km/h max.; Total mass 166.3t (22.7t/axle); 450kN TE (starting), 310kN TE (Continuous); 4140kW (One hr power rating), 3840kW (Continuous); Gear Ratio 18/63; Dual cab; Special Freight Business - Iron ore - OREX.



VEHICLE TYPE
Class 14E1
TECHNICAL DATA SUMMARY
 Dual Mode - 3kV DC or 25kV, 50Hz AC; 1067mm Gauge; Bo-Bo; Stainless steel; Wheel diameter 1250mm; Max operating speed 91.4km/h; Maximum design speed 160km/h; Total mass 97t (24.3t/axle); 369kN TE (starting @ 56.6km/h), 200kN TE (Continuous @ 72km/h); 4000kW (Continuous); Gear Ratio 22/113; Dual cab; General Fast Freight (PX) Business.



VEHICLE TYPE
Class 10E
TECHNICAL DATA SUMMARY
 3kV DC; 1067mm Gauge; Co-Co; Wheel diameter 1220mm; Speed 90km/h max.; Total mass 125t (20.8t/axle); 450kN TE (starting), 310kN TE (Continuous @ 35km/h); 3240kW (One hr power rating), 3090kW (Continuous); Gear Ratio 19/92; Dual cab; General Freight Business, Iron ore.



VEHICLE TYPE
Push Pull
TECHNICAL DATA SUMMARY
 25kV AC; 1067mm Gauge; Bo-Bo; Wheel diameter 914mm; Speed 130km/h max.; Total mass 58t (14.5t/axle); 164kN TE (starting to 50km/h), Single cab; Suburban passenger services.



The UCW Partnership
Marievale Road, Nigel, 1491
PO BOX 335, Nigel, 1490
Republic of South Africa

Tel: +27 (11) 814-4411
Fax: +27 (11) 814-5156
E-mail: info@ucw.co.za
Web: www.ucw.co.za