Appendix H

Vehicle Specifications—Inekon Bi-Directional TRIO 12

DC Streetcar Vehicle Specifications
Inekon Bi-Directional TRIO 12

Track Gauge	5 Ft (1,435 mm)
Power System	600 V DC (750 V DC)
Maximum Speed	45 mph (70 kph)
Traction Motor Output	4 by 90 kW
Gradient	Maximum 8%
Car Length	66 ft (20,130 mm)
Wheel Base	6 ft (1,880 mm)
Bogie Distance	39 ft (11,800 mm)
Car Width	8 ft (2,460 mm)
Car Height With Pantograph Down	11 ft (3,460 mm)
Pantograph Operating Range Above Top of Rail	13 ft – 20 ft (3,960 – 6,250 mm)
Car Low-Floor Area	50%
Floor Height Above Tope of Rail	1 ft – 2.5ft (350 – 780 mm)
Wheel Diameter Max/Min	2/1.7 ft (610/530 mm)
Truck Curve Radius	
Vertical Plane	820 ft (250m)
Horizontal Plane	59 ft (18m)
Handling Curve	52 ft (16m)
Vehicle Dead Weight	63,934 lbs (29,000 kg +/- 5%)
Adhesion Weight	100%
Occupancy	300 seated passengers and up to 138 standing passengers