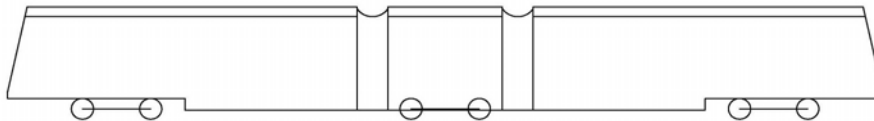


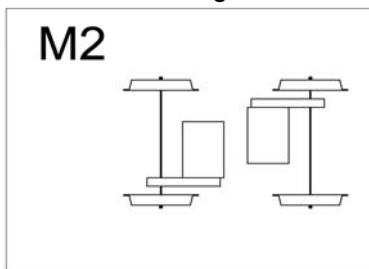
Siemens S70 Streetcar



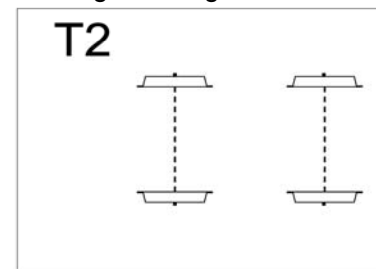
Concept Schematic



Powered Running Gear



Trailing Running Gear



1.1	Partial or 100% Low Floor?	Partial (68%)
1.2	Running Gear	
a.	Type:	Rotating power truck, fixed trailing
b.	Wheel diameter(s)	660 mm (26 in.) new, 580 mm (22.8 in.)
c.	Motor type	AC 3 phase Asynchronous Motor 130 kW. Double reduction helical, fully suspended
d.	Wheelset/drive arrangement(s)	M2, T2
1.3	Can all axles be powered if desired?	
1.4	Basic Configuration	
a.	Available as both single-ended and double-ended?	double-ended
a.1	Approximate percentage of cost differential?	N/A
b.	Available as both single-sided and double-sided?	double sided
b.1	Approximate percentage of cost differential?	N/A
1.5	Floor height(s) at door thresholds	356 mm (14 in.)
1.6	Aisle width (minimum)	635 mm (25 in.)
1.7	ADA compliance options	
a.	Load leveling available as a standard option?	Yes
b.	Powered bridge plates available as a standard option?	Yes

1.8 Which features can be readily changed?

Seat layout arrangement, seat colors and exterior decals

2 SIZE / CAPACITY

2.1	Standard options for vehicle width	2650 mm (8 ft. 8 in.)
2.2	Standard options for overall vehicle length	
a.	Minimum Standard Length	24.11 m (79 ft.)
a.1	Modules for minimum length	3
a.2	Passenger capacity (seated + standing @ 4 pass/sq m) for min. length	Approx. 149 total passengers @ 4 p/m ²
b.	Maximum Standard Length	24.11 m (79 ft.)
b.1	Modules for maximum length	3
b.2	Passenger capacity (seated + standing @ 4 pass/sq m) for max. length	Approx. 149 total passengers @ 4 p/m ²
c.	Is multiple-unit operation a standard option?	Yes. With Standard Coupler

3 PERFORMANCE

3.1	Minimum turning radius for a standard vehicle	25 m (82 ft.) standard
3.2	Minimum vertical curve a standard vehicle can negotiate?	
a.	crest	350 m (1,148 ft.)
b.	sag	250 m (820 ft.)
3.3	Maximum speed	88.5 kph (55 mph)
3.4	Std. braking and acceleration rates (load levels EL E-EL 4 as per EN 13452-1)	
a.	Acceleration	1.34 m/s ²
b.	Service Braking	1.34 m/s ²
c.	Emergency Braking	2.25 m/s ²
3.5	Depth of standing water that loaded vehicle can safely operate?	51 mm (2 in.) @ 16 kph (10 mph)

NOTES: