

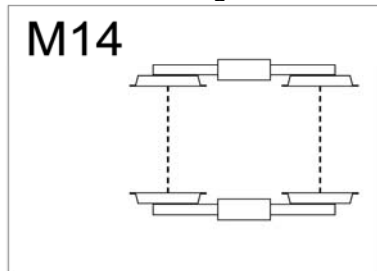
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Concept Schematic



Powered Running Gear



Trailing Running Gear

NA

1.1	Partial or 100% Low Floor?	100%
1.2	Running Gear	
a.	Type:	Fixed Truck
b.	Wheel diameter(s)	600 mm (23.6 in.)
c.	Motor type	Self-Cooled 120kW x 4
d.	Wheelset/drive arrangement(s)	M14
1.3	Can all axles be powered if desired?	Yes, standard
1.4	Basic Configuration	
a.	Available as both single-ended and double-ended?	Double-Ended is Standard
a.1	Approximate percentage of cost differential?	not available
b.	Available as both single-sided and double-sided?	Standard is Double-Sided
b.1	Approximate percentage of cost differential?	not available
1.5	Floor height(s) at door thresholds	350 mm (13.8 in.)
1.6	Aisle width (minimum)	880 mm (34.6 in.)
1.7	ADA compliance options	
a.	Load leveling available as a standard option?	Load Leveling is Standard
b.	Powered bridge plates available as a standard option?	Powered bridgeplates are being investigated

1.8 Which features can be readily changed?

Numerous features are customizable in response to customer requirements.

2 SIZE / CAPACITY

2.1	Standard options for vehicle width	2650 mm (8 ft. 8 in.) / 2460 mm (8 ft. 0 in.)
2.2	Standard options for overall vehicle length	
a.	Minimum Standard Length	20 m (65.6 ft.)
a.1	Modules for minimum length	3
a.2	Passenger capacity (seated + standing @ 4 pass/sq m) for min. length	28 seated + 87 standing = 115 total
b.	Maximum Standard Length	40 m (131.2 ft.)
b.1	Modules for maximum length	7
b.2	Passenger capacity (seated + standing @ 4 pass/sq m) for max. length	96 seated + 94 standing = 190 total
c.	Is multiple-unit operation a standard option?	Available as custom

3 PERFORMANCE

3.1	Minimum turning radius for a standard vehicle	18 m (59 ft.)
3.2	Minimum vertical curve a standard vehicle can negotiate?	
a.	crest	350 m (1,148 ft.)
b.	sag	350 m (1,148 ft.)
3.3	Maximum speed	80 kph (50 mph)
3.4	Std. braking and acceleration rates (load levels EL E-EL 4 as per EN 13452-1)	
a.	Acceleration	1.3 m/s ²
b.	Service Braking	1.3 m/s ²
c.	Emergency Braking	2.3 m/s ²
3.5	Depth of standing water that loaded vehicle can safely operate?	75 mm (3 in.)
	NOTES:	Vehicle has off-wire capability (up to 5 mile range)