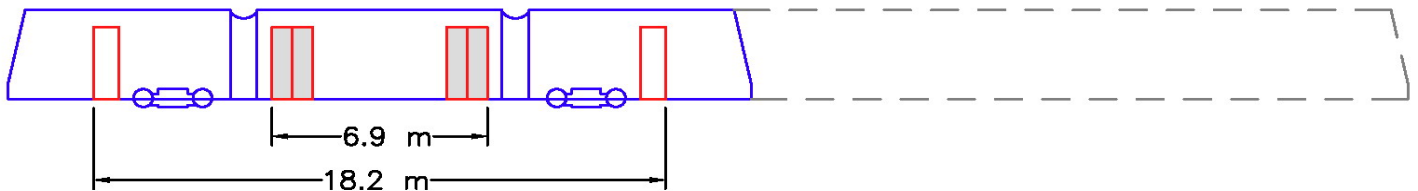


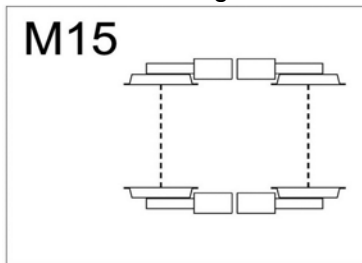
# CAF Urbos 100% low-floor



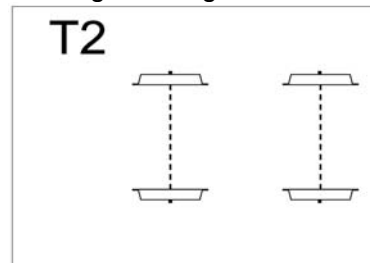
Concept Schematic



Powered Running Gear



Trailing Running Gear



1.1	Partial or 100% Low Floor?	100%
1.2	Running Gear	
a.	Type:	Fixed Truck
b.	Wheel diameter(s)	590 mm (23.2 in) / 510 mm (20.1 in)
c.	Motor type	3 Phase Asynchronous Motor
d.	Wheelset/drive arrangement(s)	M15, T2 (in longer version)
1.3	Can all axles be powered if desired?	Yes
1.4	Basic Configuration	
a.	Available in both single-end / single-side and double-end / double-side?	Yes
a.1	Approximate percentage of cost differential?	-
1.5	Floor height(s) at door thresholds	356 mm (14 in)
1.6	Aisle width (minimum)	650 mm (25.6 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 (standard options)?	Number of motored trucks Number and location of doors. Seating arrangement Vehicle Exterior and Interior Designs Front end Design. Off-Wire Capability Energy Recovery Passenger Counting System
<b>2 SIZE / CAPACITY</b>		
2.1	Standard options for vehicle width	2.65 m (8 ft 8 in) / 2.4 m (7 ft 10 in)
2.2	Standard options for overall vehicle length	
a.	Minimum Standard Length	23.6 m (77.4 ft)
a.1	Number of modules for minimum length	3
a.2	Passenger capacity (seated + standing @ 4 pass/m <sup>2</sup> ) for min. length	24 seated +124 standing = 148
a.3	AWO weight for minimum length	34,860 kg (76,850 lbs)
b.	Maximum Standard Length	44.5 m (146 ft)
b.1	Number of modules for maximum length	7
b.2	Passenger capacity (seated + standing @ 4 pass/m <sup>2</sup> ) for max. length	68 seated + 249 standing = 317
b.3	AWO weight for maximum length	tbd
c.	Is multiple-unit operation a standard option?	Yes
<b>3 PERFORMANCE</b>		
3.1	Minimum turning radius for a standard vehicle	18m (59ft)
3.2	Minimum vertical curve a standard vehicle can negotiate?	
a.	crest	250m (820 ft)
b.	sag	350m (1,150 ft)
3.3	Maximum speed	70 km/h (43.5 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 <sup>2</sup> (3 mphps)
b.	Service Braking	1.34 m/s <sup>2</sup> (3 mphps)
c.	Emergency Braking	2.24 m/s <sup>2</sup> (5 mphps)
3.5	Depth of standing water that loaded vehicle can safely operate?	75mm (3 in)
	<b>NOTES:</b>	0