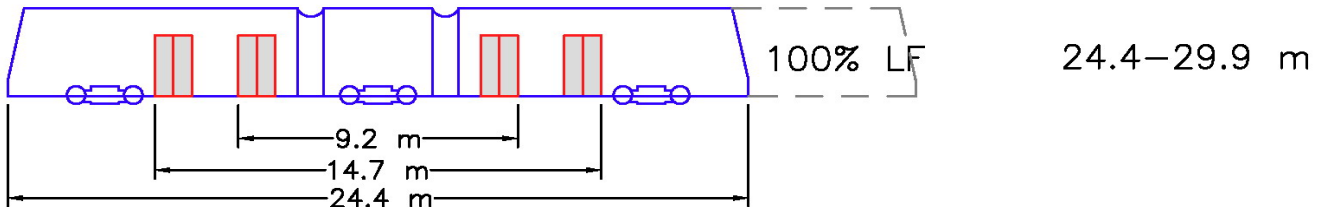


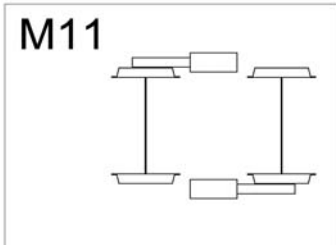
Alstom Citadis Spirit



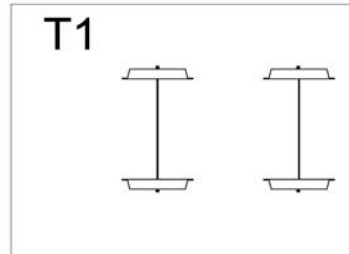
Concept Schematic



Powered Running Gear



Trailing Running Gear



1	CONFIGURATION	
1.1	Partial or 100% Low Floor? (if partial, indicate percentage)	100%
1.2	Running Gear	
a.	Type: (fixed trucks, rotating trucks)	Rotating Motor Trucks, Fixed trailer truck
b.	Wheel diameter(s)	640 mm (25.2 in) new, 570 mm (22.4 in)
c.	Motor type	Self ventilated fully enclosed asynchronous
d.	Wheelset/drive arrangement(s) (per TCRP Report 2 diagram)	M11, T1
1.3	Can all axles be powered if desired?	No
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?	limited
1.5	Floor height(s) at door thresholds from top of rail	355 mm (14 in)
1.6	Aisle width (minimum)	640 mm (25.2 in) (above truck)
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 (e.g. number of doors and their locations, styling treatment of vehicle ends) can be readily changed without crossing into “custom” territory?	External design, number of doors, length, Catenary free (APS), Interior layout and design; Passenger information system
2 SIZE / CAPACITY		
2.1	Standard options for vehicle width (m / ft)	2.65 m (8 ft. 8 in.)
2.2	Standard options for overall vehicle length	
a.	Minimum Standard Length	24.4 m (80 ft.)
a.1	Number of modules for minimum length	3
a.2	Passenger capacity (seated + standing @ 4 pass/m ²) for	56 seated + 102 standing = 158
a.3	AW0 weight for minimum length	38,000 kg (83,776 lbs)
b.	Maximum Standard Length	29.9 m (98.2 ft.)
b.1	Number of modules for maximum length	3
b.2	Passenger capacity (seated + standing @ 4 pass/m ²) for	72 seated + 112 standing = 184
b.3	AW0 weight for maximum length	44,000 kg (97,003 lbs)
c.	Is multiple-unit operation a standard option?	Yes
3 PERFORMANCE		
3.1	Minimum in-service turning radius for a standard vehicle (also list	22 m (72 ft.); depending on version
3.2	Minimum vertical curve a standard vehicle can negotiate?	
a.	crest (250m per TCRP57, 125-250 LRTN)	250 m (820 ft.)
b.	sag (350m min per TCRP 57, 250-300 LRTN)	350m (1,148 ft.)
3.3	Maximum speed	100 km/h (62 mph), depending on version
3.4	Standard braking and acceleration rates (load levels EL E-EL 4	
a.	Acceleration	from 0 to 20 mph: 1.34m/s ²
b.	Service Braking	For AW2 under 45mph: 1.34 m/s ²
c.	Emergency Braking	Average deceleration below 30 mph: 2.2
3.5	Through what depth of standing water (above TOR) is the loaded	54 mm (2 in), up to 10 mph.
	NOTES:	0