



P2000 Light Rail Vehicle

Los Angeles, CA

- Bi-directional six-axle, single articulated light rail vehicle constructed of low alloy high tensile (LAHT) steel, with pneumatic suspension suitable for high speed, high-platform operation.
- Large frame-less windows provide excellent visibility and add to the aesthetic appearance of the vehicle. Vehicle heating and air-conditioning equipment allows for year-round passenger comfort. Seating is primarily knee-to-back.
- Eight platform-pocket doors allow easy access to all passengers.
- Modern passenger information system consisting of automated announcements, public address, passenger-operator intercom and electronic destination signs.
- Each vehicle is equipped with train-wayside communication (TWC) equipment and automatic train protection (ATP) equipment.
- Propulsion is provided by a AC-GTO system, with four motors per car, pulse controlled inverter and microprocessor vehicle control logic.
- Electro-pneumatic friction braking is provided.

Performance and Capacity			
Maximum operational speed:	70	mph	113 km/h
Service acceleration:	3.0	mphps	1.35 m/s ²
Service deceleration:	3.5	mphps	1.55 m/s ²
Emergency braking rate:	5.2	mphps	2.32 m/s ²
Passenger capacity:	76	seated	
	100	standing	
Maximum operational gradient:	6%		
Motor power rating:	4 x 138	kW	185 hp
Catenary supply voltage:	750	Vdc	
Vehicle Dimensions and Weight			
Length over coupler:	89.5	ft	27.3 m
Width:	8.7	ft	2650 mm
Height without pantograph:	12.3	ft	3760 mm
Vehicle empty weight:	98,000	lbs	44.5 t
Floor height above TOR:	3.2	ft	975 mm
Minimum turning radius:	85	ft horizontal curve	25 m
	1640	ft vertical curve, crest	500 m
	1640	ft vertical curve, sag	500 m
Track gauge:	4.71	ft	1435 mm
Wheel base:	6.89	ft	2100 mm

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