



Bi-directional six-axle, low floor articulated light rail vehicle constructed of low alloy high tensile (LAHT) steel and composite materials with concealed couplers.

Low floor area comprises 70% of the interior and extends between the end trucks through the articulated center section.

Modern, spacious interior ensuring maximum visibility and safety. Enhanced interior air conditioning to accommodate local climatic conditions. Seating is primarily knee-to-back.

Eight sliding-plug passenger doors, four per side directly across from one another and located in the low floor area.

Equipped with a hydraulic height control system to permit level boarding and meet the requirements of the Americans with Disabilities Act (ADA).

Modern passenger information system consisting of automated announcements, public address, passenger-operator intercom and electronic destination signs, as well as an interior and exterior vehicle surveillance system.

Vehicle delivered with train-wayside communication (TWC) equipment and an event recorder.

Propulsion is provided by a modern, state-of-the-art AC-IGBT system, with four motors per car, pulse controlled inverters and microprocessor vehicle control logic. Electro-hydraulic friction braking is provided.

66 mph	106 km/h
71.5 mph	120 km/h
3.0 mphps	1.34 m/s <sup>2</sup>
4.9 mphps	2.2 m/s <sup>2</sup>
72 seats	
Approx. 241 total passengers	
4 wheelchair spaces	
7%	
174 hp x 4	130 kW x 4
750 Vdc	
	71.5 mph 3.0 mphps 4.9 mphps 72 seats Approx. 241 total passengers 4 wheelchair spaces 7% 174 hp x 4

## S70 Light Rail Vehicle

Houston, Texas

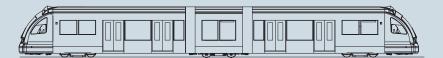














96.4 ft	29370 mm
8.7 ft	2650 mm
12.7 ft	3870 mm
up to 23 ft	7010 mm
98500 lbs (AW0)	44679 kg
2.2 ft (with 1 step plus slight ramp)	669 mm
1.2 ft (threshold)	356 mm (threshold)
1.3 ft (center)	396 mm (center)
82 ft	25 m
820 ft	250 m
1150 ft	350 m
4.7 ft	1435 mm
6.2 ft (power trucks)	1900 mm (power trucks)
5.9 ft (center truck)	1800 mm (center truck)
	8.7 ft  12.7 ft  up to 23 ft  98500 lbs (AW0)  2.2 ft (with 1 step plus slight ramp)  1.2 ft (threshold)  1.3 ft (center)  82 ft  820 ft  1150 ft  4.7 ft  6.2 ft (power trucks)

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