

Tramstar HD/LFT

The ever popular Tramstar LFT is an ideal people mover for most applications. While the open-air design offers a remarkable view, passengers ride in comfortable molded, non-slip, fiberglass seats with plenty of legroom. The heavy-duty air ride suspension and five-year Altoona bus testing assures those on board a smooth ride with optimal safety.

The Tramstar offers easy maintenance with a V-10 Ford engine and transmission, which is serviceable at any Ford dealership. Tram features include a low floor design, RCA rubber flooring, PA system, overhead lighting and storage bays. Other available options include multiple fuel sources, ADA handicap accessibility, personalized colors or theme, rain curtains, roadside closure bars and more. The Tramstar is an added value to your facility allowing your guests to enjoy the tram experience year after year.



TRAMSTAR HD

Features Include:

- High Quality Design & Manufacturing
- 5-Year Altoona Tested
- Passenger Capacity of up to 132
- 1-year/12,000 Mile Full Warranty
- 3-year/36,000 Mile Subsystem Warranty
- Low Floor Design of 13"
- Factory Certified Training
- Detailed Parts and Service Manuals
- Serviceable at Ford Dealerships
- Air Ride Suspension for Smooth Ride and Load Leveling Capabilities
- ADA Handicap Accessibility
- Air/Hydraulic Brakes
- Several Upgrades & Custom Options Available
- Heavy-Duty E-450 Chassis Available
- Designed by Licensed & Certified Engineers
- Structural Component Drawings



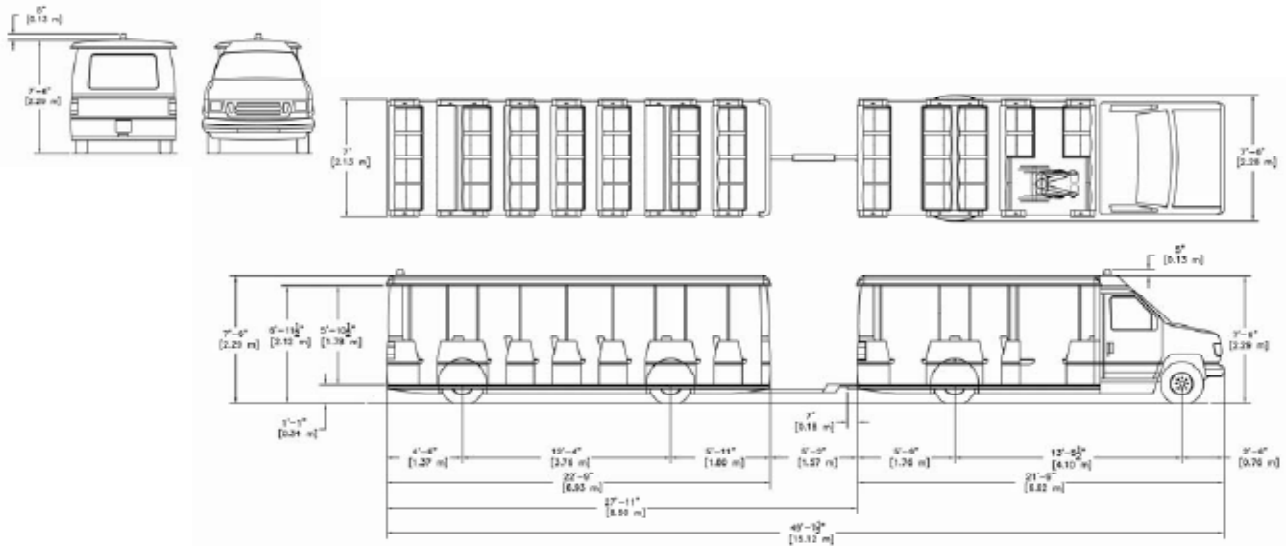
TRAMSTAR HD

** Specifications are standard features only. Additional operational equipment is available. Specifications are subject to change as manufacturer determines.*

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Tramstar HD Specifications



SPECIFICATIONS

PRINCIPAL DIMENSIONS

	POWER UNIT	TRAILING UNIT
Passenger capacity	20 adults	28 adults
Handicap capacity	2 wheelchairs 12 seated	NA
Wheel base	161.5 in. (4.10m)	148 in. (3.76 m)
Overall Length	21 ft. 9 in. (6.63 m)	22 ft. 9 in. (6.93 m)
Overhang, front axle to front bumper	30 in. (76.20 cm)	70.5 in. (1.79 m)
Overhand, rear axle to rear bumper	69.5 in. (1.77 m)	54.5 in. (1.38 m)
Width, overall	84 in. (2.13 m)	84 in. (2.13 m)
Height, overall with beacon	95 in. (2.41 m)	95 in. (2.41 m)
Height, overall without beacon	90 in. (2.29 m)	90 in. (2.29 m)
Height, step and floor	13.5 in. (34.29 cm)	13 in. (33.02 cm)
Height, inside at center line	76 in. (1.93 m)	76 in. (1.93 m)
Min. turning radius, outside front tire	28 ft. (8.53 m)	28 ft. (8.53 m)
Min. turning radius, outside front body corner **	29 ft. (8.84 m)	29 ft. (8.84 m)
Curb weight (approx.)	7,200 lbs. (2,948 kg)	4,5000 lbs. (2,041 kg)
G.V.W.R. (max. at 20 m.p.h.)	14,050 lbs. (6,373 kg)	8,700 lbs. (3,946 kg)
Approach angle	32°	10°
Ramp breakover angle	10°	10°
Departure angle	10°	10°

Gradeability vs. road speed for a standard gasoline power unit with single rear wheels:
 15 percent grade at 4mph for a fully-loaded tram with two trailing units.
 10 percent grade at 4mph for a fully-loaded tram with three trailing units.

*Passenger capacity is calculated providing 18.5 inches per adult passenger. Overall width of all transverse seats is 74 inches.

POWER UNIT

Tires	LT 225/75 R16, load range E
Rims	Steel, 8-hole, 16" x 6"
Axle, type	4 x 2 rear drive, front steer
Axle, front	Ford E-450 twin I-beam, 4,600 lbs. (2,087 kg)
Axle, rear	Dana 10.5" HD, full-floating, 9,450 lbs. (4,286 kg)
Brakes, type	Ford hydraulic power brakes
Brakes, front	Ford E-450 disc, dual-piston, 13.03" dia.
Brakes, rear	Ford E-450 disc, dual-piston, 12.90" dia.
Suspension, front	Ford E-450 heavy-duty coil spring
Suspension, rear	Dual-airspring air-ride
Engine, gasoline	6.8 Liter V-10
Fuel capacity	22 gal. (83.3 liters)
Transmission	Torqshift™, 5-speed automatic
Seats	Molded fiberglass, 74 in. (1.88m)
Air conditioning (cab only)	R134A

TRAILING UNIT

Tires	ST 225/75 R15, load range D
Rims	Steel, 6-hole, 15" x 6"
Axles	Chance Rides, tubular, steering, 5,000 lbs. (2,268 kg)
Brakes	Air-over-hydraulic drum, manual-adjusting 12" x 2.5"
Suspension	Air-ride, two airsprings per axle
Steering	Four-wheel steering



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