

# Tramstar™HD

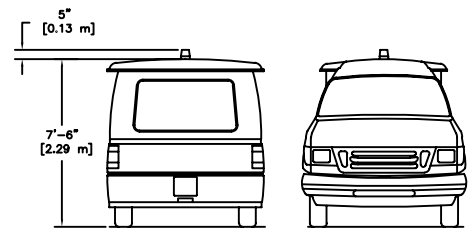
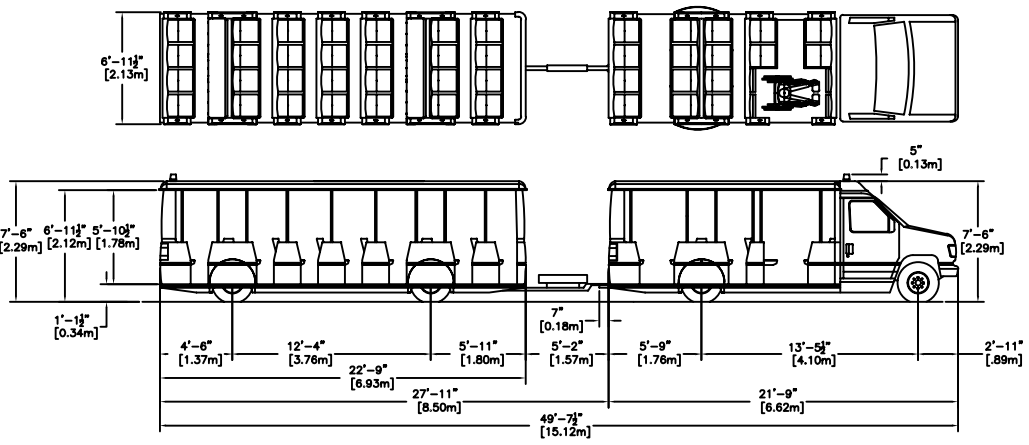


The Tramstar™ HD provides increased pulling capacity and maintains a smooth ride with its heavy-duty air ride suspension. While the open-air design offers a remarkable view, passengers ride in comfortable molded, non-slip, fiberglass seats with plenty of legroom.



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# Tramstar™HD



## FEATURES

### STANDARD FEATURES

- More pulling power with HD E-450 Ford Chassis
- Low 13-inch floor height promotes safety and speeds loading/unloading
- 30-foot turning radius for one power unit plus three trailing units
- Heavy-duty air ride suspension for smooth operation and air-over-hydraulic brakes for safety and reliability
- Easy to use hitch system which allows for quick

- connecting and disconnecting of the trailing units
- Power unit serviceable at local Ford dealerships
- 5-year Altoona Bus tested
- Roomy storage bays, overhead lighting, non-skid RCA rubber flooring and PA system
- Open-air design delivers incredible view
- Comfortable, molded fiberglass seats and plenty of leg room
- 1-year/12,000 mile full U.S. warranty
- 3-year/36,000 mile subsystem warranty

### OPTIONAL FEATURES

- Bi-fuel propane or CNG engine
- ADA complaint lightweight, retractable wheel chair ramp and two forward-facing wheel chair positions
- Rain curtains
- Roadside closure bars
- Advertising panels
- Luggage racks
- Video monitors
- Custom theming

## SPECIFICATIONS

### PRINCIPLE DIMENSIONS

Passenger capacity  
 Handicap capacity  
 Wheel base  
 Overall length  
 Overhang, front axle to front bumper  
 Overhang, rear axle to rear bumper  
 Width, overall  
 Height, overall with beacon  
 Height, step and floor  
 Height, inside at center line  
 Min. turning radius, outside front tire  
 Min. turning radius, outside front body corner\*\*  
 Curb weight (approx.)  
 G.V.W.R. (max at 20 mph)  
 Approach angle  
 Ramp breakover angle  
 Departure angle

### POWER UNIT

20 adults  
 2 wheelchairs, 12 seated  
 161.5 in. (4.10 m)  
 21 ft. 9 in. (6.63 m)  
 34.9 in. (88.65 cm)  
 69.5 in. (1.77 m)  
 84 in. (2.13 m)  
 95 in. (2.41 m)  
 13.5 in. (34.29 cm)  
 76 in. (1.93 m)  
 28 ft. (8.53 m)  
 29 ft. (8.84 m)  
 7,200 lbs. (3,266 kg)  
 14,500 lbs. (6,577 kg)  
 32°  
 10°  
 10°

### TRAILING UNIT

28 adults  
 NA  
 148 in. (3.76 m)  
 22 ft. 9 in. (6.93 m)  
 70.5 in. (1.79 m)  
 54.5 in. (1.38 m)  
 84 in. (2.13 m)  
 95 in. (2.41 m)  
 13 in. (33.02 cm)  
 76 in. (1.93 m)  
 28 ft. (8.53 m)  
 29 ft. (8.84 m)  
 4,500 lbs. (2,041 kg)  
 8,700 lbs. (3,946 kg)  
 10°  
 10°  
 10°

### 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,  
 5,000 lbs. (2,268 kg)  
 Axle, rear ..... Dana 10.5" HD, full-floating,  
 9,450 lbs. (4,286 kg)  
 Brakes, type..... Ford hydraulic power brakes  
 Brakes, front & rear ..... Ford E-450 disc, dual-piston,  
 13.58" 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®, 6-speed automatic  
 Seats..... Molded fiberglass, 74 in. (1.88 m) wide  
 Air conditioning (cab only) ..... R134A

### GRADEABILITY VS. ROAD SPEED\*

11% grade at 4mph for a fully-loaded tram with two trailing units at sea level

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

\*\* Turning radius may vary. Specific applications should be reviewed with Chance Rides prior to placing vehicles in service.

\*\*\* Gradeability shown for standard gasoline power unit with single rear wheels.

Specifications are effective as of publication date. Because we try to improve every Chance Rides product, these specifications are subject to change without notice. Dimensions given are approximate.

