

Type: Carrier, Weapons, 8x8 Nomenclature: **T55E1 3-inch Gun Motor Carriage**  
 Country: US Date of Introduction: 1943

**Physical Data:**

Weight:  
 Empty..... 28,000 lbs (12,712 kgs)  
 Loaded ..... 30,200 lbs (13,711 kgs)  
 Length (OA) ..... 281 in (7137 mm)  
 Width (OA) ..... 108 in (2743 mm)  
 Height (OA) ..... 76 in (1930 mm)  
 Ground Clearance ..... 17.25 in (438 mm)  
 Wheel Base ..... 192 in (4877 mm)  
 Wheel Tread ..... 92 in (2337 mm)  
 Drive ..... chain 8x8  
 Armor ..... proposed .25 in (6.35 mm)  
 NBC Protection ..... No

**Armament:**

Main – Cal ..... (1) 3-inch Gun  
 Model ..... M7  
 Elevation ..... -10 to +15 degrees manual  
 Traverse ..... 20 degrees left or right manual  
 Fire Control ..... Optical  
 Aux wpn – Cal ..... (1) .50 cal M2HB

**Capacity:**

Fuel ..... 50 gals (189 liters) gasoline  
 Ammo/Qty ..... unk  
 Crew/Passengers ..... 4

**Engine:**

Type ..... (2) V8  
 HP at rpm ..... 110 hp (each) @ 3400 rpm  
 Model ..... 42  
 Mfr ..... Cadillac  
 No. of Cyls ..... 8 (ea)  
 Location ..... Rear  
 Cooling ..... Liquid

**Transmission:**

Type ..... Hydramatic  
 Speeds Fwd/Rev..... 4/1 w/2-spd trnsf  
 Model ..... unk  
 Mfr ..... unk

**Suspension System:**

Type ..... Leaf spring  
 Wheels Steerable ..... Front four (turn-table)  
 Turning Radius ..... 98.6 ft (30 m)  
 No of total wheels ..... 8x8  
 Tire Size ..... 14.00x20

**General Data:**

Elec Voltage ..... 12V  
 Intercom ..... unk  
 Cargo Volume ..... n/a

**Performance:**

Speed/Land ..... 60 mph (96.5 km/h)  
 Speed/Water ..... n/a  
 Cruising Rng ..... 150 mi (241 km)  
 Forging Depth ..... 48 in (1219 mm)  
 Max Grade ..... 60%  
 Trench Crossing ..... 36 in (914 mm)  
 Step ..... 40 in (1016 mm)



Above and left: The single T55E1 during testing at Aberdeen Proving Ground. The E1 was made of mild-steel, rather than armor plate. (Photos: US Army)

Remarks: Even using the same platform steering on the front pair of axles and chain drive to all eight wheels; by the time the T55E1 had been modified and delivered for further evaluation in 1943, the US Army had decided that any new anti-tank vehicles would be based on a tank chassis and tracked. The wheeled tank destroyer project was dropped in 1943.

Usage: Only a single T55E1 pilot was completed and tested by the US Army.

Manufacturer: Cook Brothers and Allied Machinery Manufacturing Corp.

