

Type: Carrier, Weapons, 8x8 *Nomenclature:* **T55 3-inch Gun Motor Carriage**
Country: US *Date of Introduction:* 1942

Physical Data:

Weight:
 Empty
 Loaded 38,300 lbs (17,388 kgs)
 Length (OA) 306 in (7772 mm)
 Width (OA) 108 in (2743 mm)
 Height (OA) 105.5 in (2680 mm)
 Ground Clearance
 Wheel Base
 Wheel Tread
 Drive chain 8x8
 Armor
 NBC Protection No

Armament:

Main – Cal (1) 3-Inch Gun
 Model
 Elevation -11 to +18 degrees
 Traverse 30 degrees left or right
 Fire Control
 Aux wpn – Cal (1) .50 cal M2HB

Capacity:

Fuel Gasoline
 Ammo/Qty 3-inch (90 rds)
50 cal (400 rds)
 Crew 4-5

Engine:

Type (2) V8
 HP at Rev/Min 130 hp each
 Model
 Mfr Cadillac
 No. of Cyls 8 each
 Location Rear
 Cooling Liquid

Transmission:

Type Hydramatic
 Speeds Fwd/Rev-.....3/1 w/a 4-speed trns case
 Model
 Mfr

Suspension System:

Type
 Wheels Steerable Front four
 Turning Radius
 No of wheels 8
 Tire Size 14.00 x 20

General Data:

Cargo Volume n/a

Performance:

Speed/Land 50 mph (80.5 km/h)
 Speed/Water n/a
 Cruising Rng
 Fording Depth 48 in (1219 mm)
 Max Grade
 Trench Crossing
 Step



Above: The rather complicated T55 design was replaced by a more angular version in the T55E1; neither was selected for production. (Photos: US Army)

Remarks: Developed from a Cook Brothers design by Allied Machinery, the T55 made a remarkable 3-inch tank destroyer. Using 8x8 chain drive and a front steering system that moved a complete platform and the wheels as well, cross country performance was quite good including a wading performance of 48 inches (1219 mm) without preparation. Testing of the T55 continued, but interest moved on to the simplified T55E1.

Usage: Testing only by US Army.

Manufacturer: Cook Brothers and Allied Machinery Manufacturing Company.