

*Type: Carrier, Weapons Nomenclature: M825, Trk, Util, 1/4-ton, 4x4,
Carrier for 106mm Rifle W/E
Country: US Date of Introduction: 1971*

Physical Data:

Weight:
 Empty 2590 lbs (1176 kgs)
 Loaded 4320 lbs (1961 kgs)
 Length (w/rifle) 143.5 in (3645 mm)
 Width (w/spare) 76.5 in (1940 mm)
 Height (w/rifle) 77 in (1956 mm)
 Ground Clearance .. 8 in (210 mm)
 Wheel Base 85 in (2159 mm)
 Wheel Tread 53 in (1346 mm)
 Drive 4x2 or 4x4
 Armor n/a
 NBC Protection ... Individual

Armament:

Main - Cal..... (1) M40A1 106mm
 RR on Mount M79
 Elevation Manual
 Traverse Manual

Capacity:

Fuel 17.7 gals (67 liters)
 gasoline
 Ammo/Qty 106mmRR (6-8 rds)
 Crew/Passengers ... 1/3

Engine:

Type In-line gasoline
 HP at Rev/Min 71 hp (52.5 kW)
 @ 4000 rpm
 Model L-142
 Mfr White
 No. of Cyls..... 4
 Location Front
 Cooling Liquid

Transmission:

Type Manual
 Speeds Fwd/Rev 4/1 w/selective 4wd
 Mfr Ford

Suspension System:

Type Coil spring
 Wheels Steerable ... Front pair
 Turning Radius 18.5 ft (5.6 m)
 No of wheels 4
 Tire Size 7:00x16

General Data:

Elec Voltage 24V w/(2)
 12V batteries
 Radio As fitted by user
 Cargo Vol/Weight ... 1730 lbs (785 kgs)
 (including crew)

Night Vision Devices: Individual

Performance:

Speed/Land 50 mph (80.5 km/h)
 Speed/Water n/a
 Range 300 mi (483 km)
 Fording Depth 21 in (533 mm)
 Max Grade (est)..... 50%
 Trench Crossing 60 in (1524 mm)
 w/crossing kit
 Step (est) 8 in (203 mm)



Above and top: M825s with 106mm RR. (Photos: Author's collection)

Remarks: In 1971 the M825 started coming off the production line, and to at first supplement and then replace the M151A1C. While many received new recoilless rifles and mounts, many (particularly in the field simply switched weapon and mount from the old vehicle to the new. While having a better ride and suspension, the M825 still suffered from a high center of gravity and a tendency to roll. Maximum speed for the M825 was limited to 50 mph (80.5 km/h) and as on the older vehicle, any speed over 20 mph (32 km/h) required caution and an experienced driver. Even more

care was needed when the vehicle was operated without the weapon and mount, as balance and steering were thrown off. The 106mm recoilless rifle remained the M40A1 Rifle and the M79 Mount. The whole unit could be dismounted and fired as a ground weapon. Elevation for the rifle was from +65 to -17 degrees. Storage for six rounds of ammunition was also provided.

Usage: US Army and several other countries including, Equador, Lebanon, Saudi Arabia, Somalia, South Vietnam, and Venezuela.

Manufacturer: AM General.