

Type: Carrier, Weapons, 4x4 Nomenclature: **Carrier, 6-Pdr Gun, A.E.C., Mk I Deacon**
 Country: UK Date of Introduction: 1942

Physical Data:

Weight emp (est) 18500 lb (8399 kg)
 Weight loaded 26400 lb (11986 kg)
 Length (OA) 255.5 in (6490 mm)
 Width (OA) 109 in (2770 mm)
 Height (OA) 114.9 in (2920 mm)
 Ground clr 13 in (330 mm)
 Wheel base (est) 126 in (3200 mm)
 Wheel tread 88 in (2235 mm)
 Drive 4x4 or 4x2
 Armor (6-20 mm)
 NBC protection Individual

Armament:

Main – Cal 6-pdr (57 mm) QF
 Elev & traverse Manual +15°
 Fire control Optical
 Aux wpns Crew side arms

Capacity:

Fuel (est) 40 gal (151 liters)
 Ammo/Qty 57mm (24 rds)
 Crew/Pass 5
 Cargo Vol/Wgt n/a

Engine:

Type Diesel
 HP at Rev/Min 95 hp (70 kW)
 @ 1800 rpm

Model 7.7 litre A.173

Mfr A.E.C.

No. of Cyls 6

Location Front

Cooling Liquid

Transmission:

Type Manual
 Gear Fwd/Rev 4/1 w/2-spd trnsf
 Model unk
 Mfr AEC

Suspension System:

Type Leaf spring
 Steering Manual, Front axle
 Turning radius 60 ft (18.3 m)
 No/wheels 4
 Tire Size 14.00x20

General Data:

Elec voltage 12V
 Radio As fitted by user

Night Vision: as fitted by user

Performance:

Speed/Land 19 mph (30.5 km/h)
 Speed/Water n/a
 Range 155 mi (250 km)
 Fording (est) 18 in (457 mm)
 Max grade unk
 Trench unk
 Step unk



Remarks: With the need for mobile anti-tank guns in the North African Campaign becoming ever more critical, AEC firm was asked to develop an armored carrier suitable for the standard 6-pdr (57mm) cannon. Since time was a factor, it was decided to use the chassis of the Mator 4x4 GS truck then in production. AEC. was able to complete and deliver 175 units in 1942. Armed with the 6-Pdr QF Mk I cannon, the Deacon was able to fire both High Explosive (HE) and Armor Piercing (AP) ammunition. Maximum range for both types of ammunition was approximately 5,000 yds (4570 m) traveling at 2799 fps (853 mps) for the AP and 2386 fps (727 mps) for the HE. The AP round could penetrate approximately 60mm of armor plate at 10940 yards (1,000 m). Although they served well enough in the North African campaign, the

Photos: Top: Deacon in action with a set of towed 6-Pdr guns. This was the normal deployment of anti-tank gun assets. (Photo: IWM) Above: A just completed Deacon at the Park Royal; body works just prior to shipment to North Africa. The vehicle has just been painted in the base color of ME Stone 61. Many of these vehicles had started out in a base coat of SCC 2 Brown over-painted with SCC 1A Very Dark Brown rather circular patches; a scheme sometimes known as Mickey Mouse. Serial numbers for the Deacon series started at 20449. (Photo: Park Royal Vehicles)

vehicles were judged unsuitable for use in Europe and after being refurbished in Egypt, those vehicles still operational were transferred to Turkey in 1943.

Usage: British and Commonwealth forces as well as Turkey.

Manufacturer: Associated Equipment Company, Ltd. London, UK.