

Type: Vehicle, Reconnaissance Nomenclature: Marmon-Herrington Armored Car Mark 4

Country: South Africa Date of Introduction: 1942

Physical Data:

Weight:

Empty
Loaded 13900 lb (6311 kg)
Length (OA) 217.5 in (5525 mm)
Width (OA) 84 in (2134 mm)
Height (OA) 90 in (2286 mm)
Ground Clearance . 11 in (279 mm)
Wheel Base 114 in (2896 mm)
Wheel Tread 60 in (1524 mm)
Drive 4x4
Armor24-.47 in
(6-12 mm, 4 mm
under driver's
compartment)

Armament:

Main - Cal 40 mm (2-pdr gun)
Model Witwatersrand GM
Elevation Manual -5 to +20°
Traverse Manual 360° in 22
seconds
Fire Control Optical
Aux wpn - Cal303 Vickers or
.30 cal Browning

Capacity:

Fuel 50 gal (189 liters)
Gasoline
Ammo/Qty 40 mm (37 rds)
.303 (750 rds)
Crew 3

Engine:

Type Gasoline
HP at Rev/Min 85 hp
Model V8
Mfr Ford
No. of Cyls 8
Location Rear
Cooling Liquid

Transmission:

Type Manual
Speeds Fwd/Rev 4/1 w/2-spd trnsf
Mfr

Suspension System:

Type Leaf spring
Wheels Steerable Front pair
Turning Radius
No of total wheels ... 4
Tire Size 9.75x18

General Data:

Electrical 6 Volt
Radio Wireless Set No. 19

Night Vision Devices: n/a

Performance:

Speed/Land 52 mph (84 km/h)
Speed/Water n/a
Range 360 mi (579 km)
Fording Depth
Max Grade
Trench Crossing
Step



Remarks: The Mark 4 was a uni-body design, with the mechanical components attached to the armored hull, without the use of a separate chassis. The main armament, a 40 mm (2-pdr) gun on a field mounting, was placed to fire directly through slots cut in the turret face, no mantlet was used. A coaxial .303 Vickers light machine gun was mounted to the right of the 2-pdr so as to raise and lower with the main gun. Of the 936 Mark 4s completed, 310 were fitted with a 2-pdr cannon and the remaining 626 only with machine guns.

Above, Top: Mk 4s outside the Ford assembly plant in South Africa. The chassis was built from components from Canada and Marmon-Herrington conversion kits. Above bottom: Mk 4 with .50 cal main armament. (Photos: Author's collection)

Usage: Used by South Africa and Commonwealth forces during WWII

Manufacturer: Chassis, Ford Motor Company of South Africa Pty. Body, South African Iron & Steel Industries.