

Type: Car, Armd, 8x8 Nomenclature: **Schwerer Panzerspähwagen SdKfz 233 (7.5cm) (8-Rad)**
 Country: Germany Date of Introduction: 1941

Physical Data:

Weight empty 16648 lb (7550 kg)
 Weight loaded 18919 lb (8580 kg)
 Length (OA) 230 in (5850 mm)
 Width (OA) 92.5 in (2350 mm)
 Height (OA) 86.5 in (2200 mm)
 Ground clr 10.5 in (270 mm)
 Wheel base 161.5 in (4102 mm)
 Wheel tread (est) 76.5 in (1943 mm)
 Drive 8x8
 Armor .2-.57 in (5-14.5 mm)
 NBC protection Individual

Armament:

Main – Cal (1) 7.5cm KwK 37 L/24
 Elevation -10 to +12 degrees
 Traverse 12 degrees left and right of center
 Fire control Optical Rblf 32
 Aux wpns (1) 7.92mm MG42

Capacity:

Fuel Gasoline 39.6 gals (150 liters)
 Ammo/Qty 7.5cm (32 rds)
 7.92mm (1500 rds)
 Crew/Pass 3
 Cargo Vol/Wgt n/a

Engine:

Type Gasoline
 HP at Rev/Min 180 hp (133 kW)
 Model L8V-G
 Mfr Büssing-NAG
 No. of Cyls V8
 Location Rear
 Cooling Liquid

Transmission:

Type Manual
 Gear Fwd/Rev 6-Fwd and 6-Rev
 Model GS
 Mfr Büssing-NAG

Suspension System:

Type Leaf spring
 Steering All wheel
 Turning radius 34.5 ft (10.5 m)
 No/wheels 8
 Tire Size 8.25x18

General Data:

Elec voltage 24V
 Radio Fu. Spr.

Night Vision: as fitted by user

Performance:

Speed/Land 49.5 mph (80 km/h)
 Speed/Water n/a
 Range 186 mi (300 km)
 Forcing depth 39 in (1000 mm)
 Max grade 45 %
 Trench 49 in (1240 mm)
 Step 19 in (480 mm)



Remarks: 199 SdKfz 233 (7.5cm) vehicles were built new or converted from existing radio and reconnaissance vehicles with the first introduced to combat units in October of 1942. A fairly mobile vehicle, the KwK 37 L/24 cannon besides smoke and high explosive four anti-tank rounds were also available. The high explosive round had a range of 4923 yds (4500 m) while at 1094 yds (1000 m) the cannon was able to defeat from 1.4 in (35 mm) to 3.9 in (100 mm) of armor plate at 30 degrees angle.

Top: SdKfz 233 (7.5cm) (8-Rad) captured in Tunisia by American Forces. This vehicle had only been introduced in late 1942. (Photo: US Army) Above: The SdKfz 233 carried the same 7.5cm cannon that had been mounted in the Stug II and PzKfz IV.

Usage: Used by the German military during WWII.

Manufacturer: F. Schichau, Elbing, Germany.