

Type: Vehicle, Reconnaissance *Nomenclature:* **Panzerspähwagen SdKfz 221**
Country: Germany *Date of Introduction:* 1935

Physical Data:

Weight Loaded 10500 lb (4767 kg)
Length (OA) 189 in (4800 mm)
Width (OA) 79 in (2007 mm)
Height (OA) 71 in (1803 mm)
Ground clr 7.75 in (197 mm)
Wheel base 110 in (2794 mm)
Wheel tread 63 in (1600 mm)
Drive 4x4
Armor .2-.31 in (5-8 mm)
NBC protection Individual

Armament:

Main – Cal (1) 7.92mm LMG
 MG34
Elevation Manual
Traverse 360 deg Manual
Fire control Optical
Aux wpsns Crew side arms

Capacity:

Fuel 29 gals (110 liters)
 gasoline
Ammo/Qty 7.92mm (1050 rds)
Crew/Pass 2
Cargo Vol/Wgt n/a

Engine:

Type Gasoline V8
HP at Rev/Min 75 hp (55.4 kW)
Model 3.5 Liter
Mfr Horch
No. of Cyls 8
Location Rear
Cooling Liquid

Transmission:

Type Manual
Gear Fwd/Rev 5/1
Model Sliding Pinion
Mfr Büssing-NAG

Suspension System:

Type Coil
Steering Four wheel
Turning radius 26 ft 3 in (8 m)
No/wheels 4
Tire Size 8.27x18

General Data:

Elec voltage unk
Radio As fitted by user

Night Vision: *as fitted by user*

Performance:

Speed/Land 56 mph (90 km/h)
Speed/Water n/a
Range 175 mi (281.5 km)
Fording depth 23.6 in (600 mm)
Max grade 35 % (20 deg)
Trench 49 in (1240 mm)
Step 9.8 in (250 mm)



Remarks: Developed in 1934 as a replacement for the Kfz 13/14 series of light armored vehicles. Production started in 1935 and ran through 1939 with an estimated 340 SdKfz 221 vehicles being completed. Rather than using a light chassis as on the Kfz 14, a standard Horch heavy four-wheeled passenger car chassis with armored body and turret was used giving greater interior volume for the crew and better protection. The turret was small and open topped carrying a single 7.92mm MG 34 machine gun. A few cars were later fitted with the taper bore 28mm sPzB 41 anti-tank rifle. Although obsolete, by the start of World War II, both the SdKfz 221 and 222 continued in service (although in diminishing numbers) until the end of the war.

Top: SdKfz 221 in early camouflage color scheme and above, in Panzer Grey.

Usage: Besides service with the German Army, 18 were sold to China along with 12 SdKfz 222 in 1938.

Manufacturer: Primary contractor, Eisenwerk Weserhütte AG.