

*Type: Vehicle, Reconnaissance Nomenclature: MOWAG Spy 4x4
Country: Switzerland Date of Introduction: 1981*

Physical Data:

Weight:
 Empty 12995 lbs (5900 kg)
 Loaded 16520 lbs (7500 kg)
 Length (OA) 178 in (4520 mm)
 Width (OA) 98 in (2500 mm)
 Height (OA) 65 in (1660 mm)
 Ground Clearance.. 19.8 in (500 mm)
 Wheel Base 98.5 in (2500 mm)
 Wheel Tread 86.5 in (2200 mm)
 Drive 4x4
 Armor Proof against
 7.62mm AP
 NBC Protection ... Vehicle over-
 pressure system

Armament:

Main - Cal 12.7mm HMG (1)
 Elevation Manual
 Traverse Manual
 Fire Control Optical

Capacity:

Fuel 53 gals (200 Ltrs)
 diesel
 Ammo/Qty 12.7mm (3000 rds)
 7.62mm (2000 rds)
 Crew/Passengers ...3

Engine:

Type Diesel
 HP at Rev/Min 206 hp @ 3000 rpm
 Mfr Detroit Diesel
 No. of Cyls V8
 Location Right front
 Cooling Liquid

Transmission:

Type Automatic
 Speeds Fwd/Rev ... 4-Fwd/1-Rev
 w/2-spd trnsf
 Model AT-540
 Mfr Allison GM

Suspension System:

Type Torsion bar (rear)
 coil spring (front)
 Wheels Steerable ... Front pair
 Turning Radius 20.5 ft (6.3 m)
 No of total wheels ... 4
 Tire Size 11.00x16 runflat

General Data:

Elec Voltage 24 V
 Intercom Yes

Night Vision Devices:

Driver, Cdr, Gunner.. As fitted by user

Performance:

Speed/Land 68 mph (110 km/h)
 Speed/Water n/a
 Range..... 435 mi (700 km)
 Fording Depth 51 in (1300 mm)
 Max Grade 60%
 Step 19.5 in (500 mm)



Remarks: Developed from the Piranha 4x4, 6x6 and 8x8 program, the Spy was designed as a reconnaissance vehicle carrying three men rather than a small APC like the Piranha 4x4 with which it shared many parts and assemblies. Although different weapon stations could be fitted the view shown is the one-man non-powered turret with one .50 caliber and one 7.62mm machine gun fitted. It was also possible to fit a remote control 7.62mm turret, or a 20mm cannon. Provision was made for a variety of radio installations as well.

Usage: Prototype only, no series production.

Manufacturer: MOWAG AG, Switzerland.

Above: The MOWAG Spy showing its family resemblance to the MOWAG Piranha 4x4 APC. (Photo: MOWAG AG)