

Type: Carrier, Weapons Nomenclature: **9P110 (AT-3 Sagger Carrier)**

Country: Russia Date of Introduction: 1963

Physical Data:

Weight empty 11600 lb (5266 kg)
Wgt loaded (est) 12846 lb (5832 kg)
Length (OA) 220.5 in (5600 mm)
Width (OA) 88.5 in (2250 mm)
Height (closed) 74.8 in (1900 mm)
Ground clr 12.4 in (315 mm)
Wheel base 110 in (2800 mm)
Wheel tread 65.3 in (1660 mm)
Drive 4x4 plus 4x4 aux
Armor .16 to .39 in
 (4 to 10 mm)
NBC protection Overpressure

Armament:

Main (4) AT-3 Sagger AT missiles
Elev & traverse Power
Fire control Wire guided
Aux wpns Crew side arms

Capacity:

Fuel Gasoline
Ammo/Qty 4 ready
Crew/Pass 2
Cargo Vol/Wgt 500 lb (227 kg)

Engine:

Type Gasoline
HP at Rev/Min 90 hp (66.4 kW)
 @ 3400 rpm
Model GAZ
Mfr State Factory
No. of Cyls 6
Location Front
Cooling Liquid

Transmission:

Type Manual
Gear Fwd/Rev 4/1 w/2-spd transfer
Model GAZ
Mfr State Factory

Suspension System:

Type Leaf spring
Steering Front axle
Turning radius unk
No/wheels 4+4
Tire Size 12.00x18

General Data:

Elec voltage 24V
Radio As fitted by user

Night Vision:

as fitted by user

Performance:

Speed/Land 50 mph (80 km/h)
Speed/Water 5.5 mph (9 km/h)
Range 310 mi (500 km)
Fording depth Amphibious
Max grade 52.4 %
Trench 48 in (1220 mm)
Step 15.8 in (400 mm)



Top: DDR (East German Army) 9P110 with portable launch controller set up on a table. This controller could be offset from the launcher itself for concealment and/or protection of the operator. Above: Soviet/Russian 9P110 missile carrier during one of the yearly parades in Moscow. The launcher rails and cover had a limited left and right powered rotation to give some flexibility to placement of the vehicle. (Photos: Author's collection)

Remarks: A direct conversion of the BRDM armored reconnaissance vehicle, the 9P110 mounted the AT-3 Sagger anti-tank missile. Widely used by the Soviet Union in man-pack and vehicle launchers, the Sagger was also widely exported. Specifications for the AT-3 included:

Missile length: 2.8 ft (863 mm)
 Body Dia: 4.7 in (119 mm)
 Launch Weight: 30 lbs (11.3 kg)
 Power: (1) solid rocket
 Max Speed: 294 ft (120 m) per sec
 Warhead: HEAT 11.5 lbs (5.25 kg)
 Minimum range: 1540 ft (500 m)
 Maximum range: 9843 ft (3000 m)
 Guidance: Wire guided command to line-of-sight with optical tracking. Max penetration: 16 in (410 mm)
 Launcher designator: 2P110
 Carrier designator: 9P110

9P110 Carrier Usage: widely used within the Soviet bloc including East Germany and Romania.

Manufacturer: GAZ, Soviet State Factories, USSR.