

Type: Carrier, Personnel, Armored, 4x4 *Nomenclature:* **Armored Patrol Car Dzik-3 (Ain Jaria-1)**
Country: Poland *Date of Introduction:* 2005

Physical Data:

Weight:
 Empty 13230 lb (6000 kg)
 Loaded (est) 14333 lb (6500 kg)
 Length (OA) 226 in (5740 mm)
 Width (OA) 80.5 in (2050 mm)
 Height (OA) 84.5 in (2150 mm)
 Ground Clearance .. 10.5 in (270 mm)
 Wheel Base 126 in (3200 mm)
 Wheel Tread unk
 Drive 4x4
 Armor Steel - proof against
 7.62mm NATO,
 shell fragments
 and hand grenades
 (EU standard BR6)
 NBC Protection Vehicle over-
 pressure

Armament:

Main - Cal (1) 7.62mm PKM
 or 12.7mm NSV
 Elevation Manual
 Traverse Manual
 Fire Control Optical
 Aux wpns As carried by crew

Capacity:

Fuel 31.5 gals
 (120 liters) diesel
 Ammunition 2,000 rds 7.62mm
 Crew 11

Engine:

Type In-line turbo-diesel
 HP at Rev/Min 146 hp (108 kW)
 @ 3600 rpm
 Model SOFIM 8140.43N
 Mfr Iveco
 No. of Cyls 4
 Location Front
 Cooling Liquid

Transmission:

Type Manual
 Speeds Fwd/Rev ... 6/1 w/2-spd trnsf
 and reduction gears
 allowing 24 total
 gear selections
 Mfr ZF

Suspension System:

Type Solid axle
 with coil spring
 Wheels Steerable ... Front pair
 Turning Radius unk
 No of wheels 4
 Tire Size 255/100R16

General Data:

Elec Voltage 24 V
 Radio As fitted by user

*Night Vision Devices:*As fitted by user

Performance:

Speed/Land 62 mph (100 km)
 Range 497 mi (800 km)
 Forging Depth unk
 Max Grade unk



Remarks: Contracted by the Iraqi Army in 2005 and with the first deliveries of 600 vehicles beginning in early 2006, the Ain Jaria-1 or Water Spring (Polish - Dzik-3 Export) was derived from the Dzik-2 in service with the Polish Army. To meet the requirements of service in Iraq first, the interior was re-arranged to fit 11 soldiers (driver, commander, gunner and a squad of eight) and the air conditioning system volume increased. Secondly, the suspension was strengthened to deal with the increased overall weight of the vehicle and stores. In addition to the new weapon's stations, the Ain Jaria-1 has two set of 81mm smoke/grenade launchers mounted at both front corners of

Above (top): Ain Jaria-1 with new weapon station for the 7.62mm LMG. With shields and hatches in place, the gunner is protected on all sides. (Bottom) Another vehicle as delivered from Poland (the first 40+ vehicles were flown in. The scaling ladders on the left side were an Iraqi request. (Photos: Dept. of Defense)

the crew compartment. Rather than the US made Motorola GM360 or Australian Barrett 950 (both of which are compatible), the Polish Radmor V3501 system was fitted. The updated Dzik also was switched to a 24V system to handle the extra load from the sometimes multiple radios that can be mounted.

Usage: As of 2006 the Dzik-3 (Ain Jaria-1) is only used by Iraq.

Manufacturer: AMZ-Kutno (Bumar), Poland.