

Type: Vehicle, Reconnaissance Nomenclature: **Tomcar Armadillo**

Country: Israel Date of Introduction: 2006

Physical Data:

Weight empty 2530 lb (1150 kg)
Weight loaded (est) 3418 lb (1550 kg)
Length (OA) 111 in (2820 mm)
Width (OA) 69.5 in (1765 mm)
Height (OA) 66.5 in (1690 mm)
Ground clearance 14.6 in (370 mm)
Wheel base 80.8 in (2050 mm)
Wheel tread (est) 62 in (1575 mm)
Drive 4x2
Armor Proof against 7.62mm ball
NBC protection Individual

Armament:

Main – Cal As fitted by user
Elevation & traverse Manual
Fire control Optical
Aux wpns Crew side arms

Capacity:

Fuel Gasoline 6.75 gals (26 liters)
Ammo/Qty unk
Crew/Pass 2
Cargo Vol/Wgt (est) 500 lb (227 kg)

Engine:

Type Gasoline (diesel optional)
HP at Rev/Min 70 hp (52 kW)
Model 1197 cc
Mfr Subaru
No. of Cyls 3
Location Rear
Cooling Liquid

Transmission:

Type Manual
Gear Fwd/Rev 5/1
Mfr Subaru

Suspension System:

Type Front (wishbone)
Rear (trailing arm)
Steering Rack & pinion
Turning radius unk
No/wheels 4 w/ 13 in (330 mm travel)
Tire Size Front 25x8
Rear 26x12

General Data:

Elec voltage 12V 56 AH battery
Radio As fitted by user

Night Vision: *Passive/Optical*

Performance:

Speed/Land 49 mph (79 km/h)
Speed/Water n/a
Range 250 mi (402 km)
Fording depth (est) 15 in (381 mm)
Max grade unk
Step unk



Remarks: While the TOMCAR has been in production since the 1990s, the Armadillo is a new design developed along with the Israeli military for a low cost, armored reconnaissance and logistics vehicle. Besides the cargo box at the rear capable of handling 440 lbs (200 kg) of cargo, the two passengers are protected in a fully armored capsule of bullet resistant fiber and transparent glass. The armored floor also provides protection from landmines and grenades. The Armadillo is relatively slow at 49 mph (79 k/ph) maximum speed, but the vehicle is meant for service moving cross-country or on unimproved roads. The vehicle can also be

Above: TOMCAR Armadillo. (Photos: TOMCAR Ltd)

towed by another vehicle (such as a HMMWV) without any additional preparation should rapid redeployment be required.

Usage: Prototype only as of 2006, designed for export.

Manufacturer: TOMCAR LTD., Kibbutz Givat Hashlosha, Givat Hashlosha, ISRAEL, 48800 WEB site: www.tomcar.com