

AS LTV-4

The Light Tactical All Terrain Vehicle Program was developed together with the Italian Ministry of Defence.

The design of the final product is the result of an intensive testing campaign with different platform solutions

The product presented represents the final solution supplied to the Italian SOFs.

Basic principles of the project:

- Lightness
- Extreme mobility
- Versatility
- Air-transportability



2015



2017



2019

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The features of the vehicle:

- Solidity and reliability;
- Ease of driving and use;
- Low and simple maintenance;
- Air transportability on C130J, C27 and CH47;
- Readiness for use in the area of ops;
- High power/weight ratio: High engine power combined with low weight ratio;
- Extremely low centre of gravity for high stability;
- Versatility. The vehicle can be fitted out according to operational requirements.
- Load capacity and adequate autonomy to the mission profile thanks to 40 litres of fuel
- Payload of 1/2 t.

Experimental Phase/ops requirement

Definition of the system specification

PRODUCTS

AS LTV-4

A NEW Light High Mobility Vehicles SOLUTION FOR SOF's

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air transportability on C130/C27J and CH 47

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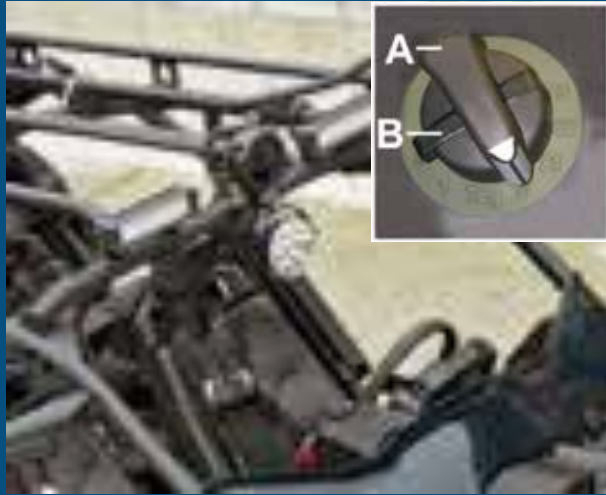
Gun Mount

Designed and Manufactured for different version of ATV

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Lateral Footboards



Working lights and MIL lighting system



cargo area for ammunition and jerrycans



front winch

logistic & tactical vehicle fitting-out (Standard)

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stretcher holder device



Rear seat "Utility"

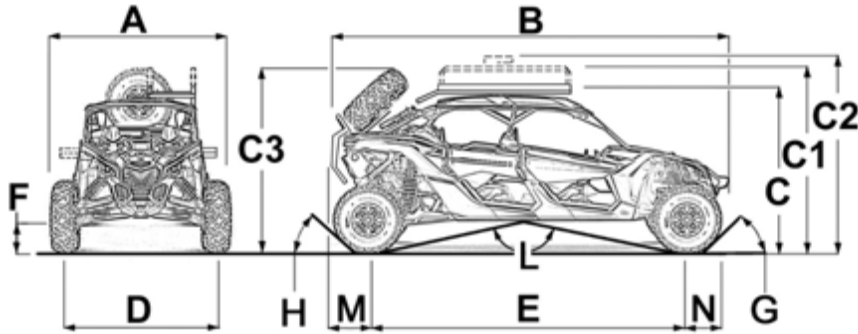


Upper Gun Mount

logistic & tactical vehicle fitting-out (Option)

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Dimensions



POS.	DIMENSIONS	NOTE
A	1.830 mm	-
B	4.400 mm	(4460 mm with accessories)
C	1.700 mm	folded sides
C1	1.920 mm	raised sides
C2	2.050 mm	weapon holder at rest
C3	1.880 mm	-
D	1.563 mm / 1.534 mm	-
E	3.429 mm	-
F	320 mm	with unloaded vehicle
G	na	-
H	na	-
L	156°	-
M	492,5 mm	-
N	478,5 mm	-

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Weights



Vehicle net weight Distribution on 1st axis Distribution on 2nd axis	1.075 kg 460 kg 615 kg	Included: Liquids, 100% fuel; Equipment, Weapon gun mount, accessories
Mass in the Order of March Distribution on 1st axis Distribution on 2nd axis Maximum payload	1.185 kg 525 kg 660 kg 395 kg	Pilot included @ 110 kg
Mass with complete equipment Distribution on 1st axis Distribution on 2nd axis	1.545 kg 670 kg 875 kg	Mass in combat order +3 Passengers @ 110 kg; Tank full of petrol, 400 bullets 7.62 in 2 boxes
GVW – Gross Vehicle Weight	1580 kg	Including pilot, passengers and all loads
Maximum permissible mass on the axles 1°/2°	690 kg / 900 kg	

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Performances



No. of seats including pilot	4	2 front seats. + 2 rear seats.
Max speed ⁽⁵⁾	70 km/h ⁽¹⁾ / 130 km/h ⁽²⁾	
Fording depth	300 mm	-
Maximum step	350 mm	-
Maximum longitudinal slope	60%	(31°)
Maximum transverse slope	30%	(17°)
Steering radius	7465 mm	-
Autonomy ($\frac{3}{4}$ of the max speed)	300 km	on flat road
Operativity	5000 ft	-

(1) With GREEN key that limits speed and torque.

(2) With GREY key.