

TRAX ARMORED

Light Armored vehicle on Trax platform



Five sided armoring of passenger compartment to provide protection against 7.62 x 51, M80 NATO Ball ammunition (CEN protection level B6).

The unique engineering and armor construction ensures that a projectile following a linear or angled path shall not enter the vehicles interior without contacting the armor material. In addition to this, the possibility of a projectile entering the vehicles interior due to a ricochet from the armor is also minimized.

The entire body panels and doors are protected using 6mm AR 500 Ballistic steel.

The floor is protected using 5mm AR 400 Ballistic steel

The glasses are all transparent Armor straight insert glass / PVB / Polycarbonate laminated 6.2 Kgs / Sq. ft (13.7 lbs/Sq. ft) with thickness of 39 mm

Run flat devices fitted / Tail pipe protection / Steel case fuel tank protection

Protection Level:

Armored to level V-UL 752 stds. Or CEN European Standards B6

7.62x 51 NATO / V50-2697 fps / AK 47 / Soft point V50-2430 fps

5.56 mm x 45 / .223 caliber / V50-3200 fps



TECHNICAL SPECIFICATIONS

ENGINE

Model (Diesel) : 4 Cyl. - TD-2400 FTI (Mercedes OM-616 IDI, TCIC)

OPTIONS (Diesel) : 5 Cyl. - TD-3250 FTI - DI / 4 Cyl. - Mercedes OM-611 Common Rail - 16 Valve

Displacement : 2400 cc./ 3250 cc. / 2150 cc.

Max. Output : 90 HP / 100 HP / 130 HP

Max. Torque : 180 Nm. / 240 Nm. / 300 Nm.

CLUTCH

Type : Single Plate, dry friction, Hydraulically actuated / Dual mass flywheel with OM-611 engine

Outside Dia. : 240 mm.

TRANSMISSION

Model : Mercedes G1-18/5 / S5-24 / Mercedes G-32 / 5

No. of gears : 5 forward, 1 reverse

Front Axle : Live, Independent suspension

Rear Axle : Live Rigid

Differential Locks : Hydraulic Actuated both on front & rear

STEERING : LHD / RHD - both options

Type : Power Steering

Turning Radius : 6.5 mtrs.

FRAME : 6 mm thickness, Tubular Ladder type reinforced

SUSPENSION

Front : Independent with Solid Torsion bar, shock absorbers & antiroll bar

Rear : Semi Elliptical leaf springs with shock absorbers.

BRAKES

Service Brakes : Hydraulic, Dual Circuit, Vacuum assisted

Front : Disc brake

Rear : Duo Servo / Drum brake

Parking brake : Mechanical on rear wheels

WHEELS & TYRES : Four & one spare

Size : 235/85 R16 AT/S

ELECTRICAL SYSTEM

System voltage : 12 volts

Battery : Lead acid 100 Ah

Alternator (Max output) : 90 Amps @ 13.5 volts & 6000 RPM

Starter : 12 V., 2.3 kW.

FUEL TANK CAPACITY : 63 Ltrs.

DIMENSIONS (mm.)

Wheel base : 2750

Overall width : 1852

Overall length : 4235

Overall height : 2050

Track front / rear : 1390 / 1400

Track rear : 1400

Min.Ground Clearance : 235

Approach Angle : 400

Departure Angle : 350

WEIGHT (kg.)

Max. Permissible GVW : 3200 kg. Std. (Optional 3510 kg.)

Nominal Payload : 600

PERFORMANCE

Max. Vehicle Speed : 120 kmph.

Gradeability : Better than 70%