

GENDA 290 FS

Fully Armored vehicle on Trax platform



PROTECTION :

- 4 Detachable armored capsule providing the vehicle with all around (3600) protection.
- 4 Withstand direct hit of 7.62X51 ball, 5.56 INSAS and 7.62 AK 47/56 rifles.
- 4 Bottom and Undercarriage : Passengers / occupants protected against blast of at least grenade under vehicle.
- 4 All Doors with bullet proof window. Protected engine compartment.
- 4 One port hole in front left door, two side fire port holes and one rear fire port hole for operating personal weapons.
- 4 Rear Protected Machine Gun Station standard - Front Protected Machine Gun station - optional.
- 4 Protected Spare tire- located inside the vehicle interior, protected and Secured fuel tank.
- 4 Run Flat Tyres.

ARMAMENT :

- 4 Light machine gun or grenade launcher mounted on turnable hatch, 360° Coverage angle
- 4 Crew personal weapon operated through 4 port openings.

AUXILIARY EQUIPMENT :

- 4 Rear observation camera for day & night operation
- 4 Air conditioning system
- 4 Armored front hood telescopic lifters
- 4 Searchlight / Beacon



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. : 228 mm. / 240 mm. (Optional)

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

: 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 : 2400

Overall width : 1852

Overall length : 4132

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%