

Protector

The Protector is a mission configurable Armored Personal Carrier that accommodates to the ever-changing face of modern warfare, emerging threats have caused governments and military leaders to recognize the critical need for vehicles that can protect armed forces and security personnel today, and in the years to come. As they look for The Protector for the answer

The Protector is an advanced mine resistant vehicle. It can be configured for multiple missions and is specifically designed to be repaired in the field. Cutting-edge technology combined with the best American automotive components give this vehicle the maximum visibility, load carrying capacity, interior space and parts availability of any vehicle in its class.

Technical Specifications

1. 12 Personal Carrier for Military and Commercial needs
2. Sustained Top Speed between 90-120Km/h
3. Engine Capacity, diesel to achieve and sustain 90-120 KM/H
4. Range>400km@<200L Diesel
5. 2 Speed/ 4Wheel Drive
6. 5 Speed automatic Transmission
7. Ground Clearance of the vehicle 703.5 mm or 27.7 INCHES
8. Turning Radius is 12.9 m or 40 FEET
9. Grade ability 70 Low Range
10. Air conditioning in front cab and rear compartment
11. Vertical Grade: 40%
12. Horizontal Grade: 60%
13. Two types and points for egress (rear and side)
14. Water fording .5 meters
15. 12 V Power System
16. Tow bar used to tow another vehicle
17. Electrical connections for towing as per the technical drawings
18. Communication Equipment for inter-crew and unit to unit. As well as a switch box to toggle back and forth between the two for the commander of the vehicle
19. Wheelbase- 3581 mm or 141 inches
20. Length- 5842 mm or 230 inches
21. Width-2184 mm or 86 inches
22. Height- 2413 or 95 inches
23. Buck up warning device
24. Nato slave start jumper cables, one "slave-to-slave" style and one "slave-to alligator" clamp style, minimum 3.5m each cable
25. The exterior color is Desert Tan
26. Vehicle is capable of accelerating from 0-50 km/h within 18 seconds at GCW on level highway
27. Recovery winch (10 ton)
28. Suspension and braking systems reinforced or modified as necessary to compensate for additional weight.
29. Service breaks are equipped with an anti-lock breaking system and capable of breaking the vehicle to a stop from 32 km/h within 12.2 meters or 40 feet while at GCW
30. Vehicle is capable of being stored, started, and operated in temperatures ranging from -23 to +55 degrees Celsius(-10 to +130) degrees Fahrenheit
31. Protection:
 1. Ballistic Protection 7.62 x 54 mm API 5.56x45 mm Nato Ball, combination of glass and armor plating.

2. Five sided armoring of passenger compartment (360 degree protection) to defeat high-powered rifle fire, 7.62 x 54 mm API 5.56x45 mm Nato Ball.
3. Floor is fitted with a blast protection to protect occupants against fragmentation from detonation of 2 DM-51 German ordnance hand grenades or equivalent. ALSO to MITIGATE THE BLAST. ADDITONALLY THE HULL PLATES ARE POSITIONED AT ANGLE TO DEFLECT THE BLAST AND FURTHER REDUCE ITS EFFECTS. SINCE AN EXPLOSION WILL TAKE THE PATH OF LEAST RESISTANCE, THE COMBINATION OF ANGLED ARMOR PLATES WILL DEFLECT AND RESIST THE BLAST.ALL MATERIAL BATCHES USED IN CONSTRUCTION ARE TESTED TO NATIONAL STANDARDS BY HP White USTL INDEPENDENT LABORATORIES or any other laboratory subject to the agreement of the buyer PRIOR TO USE.
4. 7kg under hull or chassis and 14kg under any wheel TNT equivalent blast can be mitigated with armored plate's protection of minimum of 3/8 inch thickness and minimum average hardness of 500 BHN the vehicle exterior protection 5/8 inch minimum average hardness of 500 BHN in order to satisfy B7 requirements. This will also mitigate the 7 KG TNT equivalent blast under the hull and the 14kg TNT equivalent blast under any wheel. The v-shave under plate that redirects blast force outward. There is an offset ballistic plate that absorbs fragmentation and blast so that the vehicle can continue after an attack and get people out of the "dangerous zone"
5. Side Blast Protection
6. Armoring included on kick panels, Front fenders, rear wheel wells, firewall, A, B, and C door pillars and posts.
7. Armor consists of all welded ballistic grade steel construction.
8. The interior frame, constructed of ballistic grade steel, provides overlap and backup protection for the large-surface principal impact areas such as the doors and windows. It also reinforces the structural integrity of the pillars and other areas that are typically ignored or poorly armored by other manufacturers.
9. Vehicle is constructed in such a way as to ensure that a projectile following a linear or angled path shall not enter the vehicle's interior without contacting the armor material.
10. RPG lethality Package– Spall protection blanket of Kevlar with a weight of 17 kg per square meter to line both sides and rear of passenger compartment. Blankets have cut-outs for windows and firing ports.
11. Glass:
 1. A combination of glass, polycarbonate and Mylar are bonded together using the latest technology, producing one of the finest transparent armors available while incorporating the following qualities:
 2. Anti-spall shield protecting against shattering glass
 3. Multiple impact protection (three shot).
 4. Finest optical quality, Minimal distortion
 5. No delimitation
 6. No discoloration from UV rays
 7. 7 Layers which equals 63 mm glass

12. Doors

1. Armor overlap at all doors to prevent penetration through door posts and pillars.
2. Door pillars and hinges reinforced for maximum strength retention.
3. Electrical
4. All electrical standards to this vehicle shall be tested and modified as necessary to protect against the armoring process.
5. Interior
6. All original OEM interior panels and trim will be resized or modified and re-installed wherever possible to obtain as close to an original look as possible

32. Other Features

1. Run flat devices fitted in 4 military vehicle tires plus 2 run flat spare tires.
2. Weapon mounting allows close proximity angle of fire to ground within 2 meters of vehicle without hitting the vehicle
3. 360 degree visibility 63 mm ballistic window
4. 10 Shooting ports with spring loaded inserts in the glass large for 360 degree coverage and able to shoot upward and down
5. Two Rotating bearing type roof turrets combines to provide 360 degree field of fire capable of mounting PKM, PKC, or DshK. With free traversing turrets, multiple locking sections on the turret itself and all angle shields around turret
6. Hood and Radiator protected
7. Steel fuel tank protection
8. 3 year Warranty or 60,000 kilometers whichever comes first to be serviced worldwide