BELREX PROTECTED VEHICLE

MOBILE . AGILE . PROTECTED
BELREX Protected Vehicle

The BELREX Protected Vehicle is a multi-mission, multi-role family of platforms customised for urban combat missions. A rigid V-shaped hull enhances crew survivability against ballistic, mine and IED threats. High mobility, adaptability, heavy payload and network capabilities enable Infantry Forces to bring the entire combat resources to sustain fights in non-linear battle spaces.

**TECHNICAL SPECIFICATIONS**

**Physical Dimensions**
- Gross Weight: 20,000 kg
- Payload: Up to 4,000 kg
- Length: Up to 7.5 m
- Width: Up to 2.8 m
- Height: Up to 3.5 m (Up to 2.8 m without sub-systems)

**Protection**
- K.E. Protection
- Mine Protection
- IED Protection
- NBC Protection

**Engine**
- Cummins ISBe2-300

**Power Output**
- 295 hp

**Gearbox**
- Allison 3000 SP

**Gears**
- 5 Forward, 1 Reverse

**Suspension**
- Parabolic Leaf Spring Suspension with Shock Absorbers

**Brake System**
- Dual circuit pneumatic with ABS

**Mobility Performance**
- Max Road Speed: At least 110 km/h
- Road Range: At least 850 km
- Approach Angle: Up to 35 deg
- Departure Angle: Up to 35 deg
- Gradient: Up to 60%
- Side Slope: Up to 30%
- Vertical Obstacle: Up to 0.4 m
- Trench Crossing: Up to 0.9 m
- Fording Depth: Up to 0.9 m

**VEHICLE PLATFORM**

- **Cabin Type: Short**
  - Cabin Length: 2.5 m

- **Cabin Type: Medium**
  - Cabin Length: 3.6 m

- **Cabin Type: Long**
  - Cabin Length: 4.6 m

**TRAILER**

**TECHNICAL SPECIFICATIONS**

- Gross Trailer Weight: Up to 8,000 kg
- Payload Capacity: Up to 4,100 kg
- Length: Up to 6 m
- Width: Up to 2.5 m
- Height: Up to 1.2 m
VARIANTS

**Engineer**
- Front Push Barrier provides obstacle clearing capability
- Trailer with Powered Tailgate System and stowage space for field equipment

**Medical**
- Trailer with Powered Tailgate System for loading/unloading of equipment
- Foldable Shelter System converts the trailer to a Field Medical Station
- Field Medical Trolley
- On-Board Trailer Generators provide the Field Medical Station with illumination and ventilation

**Maintenance**
- Hydraulic crane
- Power pack Trailer – To transport spare power pack, assorted powered tools and generator/air compressor
- Spares Trailer – Converts trailer to field workshop with foldable shelter system, generator/air compressor and spare wheel holder

**Logistics**
- Powered Tailgate System allows rapid loading/unloading of material with ease
- Customised Stowage Racks and Cargo Tie Down offers flexibility in managing material loading plans thus catering to various operational needs.

**Recce**
- Trailer with Power Tailgate System can launch and recover motorbikes out on reconnaissance missions
- Transportation of motor bikes or bulky items
VARIANTS

**Security**
- Remote Machine Gun provides suppressive fire power
- Smoke grenades can be activated to create smoke cover against enemy ambush
- Equipped with a rear step to allow for quick troop deployment for counter-offensive movements

**Signal**
- Pneumatic Mast provides crucial war time communication to fighting forces at the frontline
- Auxiliary Power Unit can provide power to sustain long hours of silent operations

**Fuel**
- Supplying vital fuel to mechanised forces on the move
- Diesel tank with self-seal coating to prevent fuel loss from damage sustained during attacks
- Fuel Dispensing Unit can simultaneously refuel 2 vehicles at a time

**Ammo & Mortar**
- Supplying of 120mm Ammo to Mortar variant to aid rapid deployment of Mortar vehicle
- Powered Tailgate System allows rapid loading/unloading of material with ease
- Compatible with self-powered 120mm Super Rapid Advanced Mortar System (SRAMS)
- Built-in stabilisers for high sustained rate firing
- Provides rapid deployment and fire support to troops on the ground