

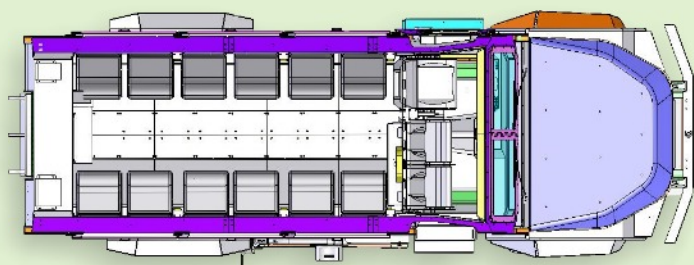


BMC >>>>>>
When lives depend on quality

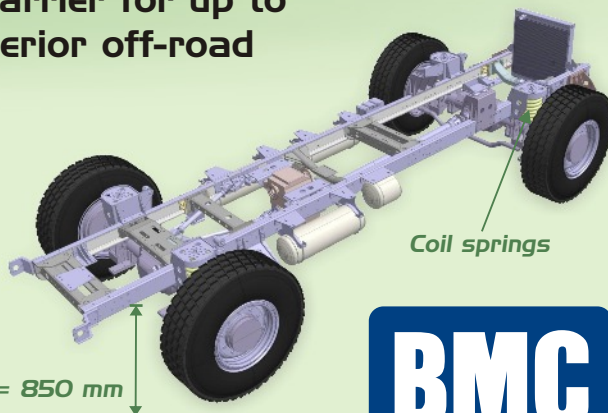


Navigator

An advanced 16-ton MRAP armored troop carrier for up to 15 combatants, with flexible chassis for superior off-road mobility and urban maneuverability.



Seating Arrangement



Coil springs

$h = 850 \text{ mm}$





Navigator Technical Specifications >>>>

GVW	16,000 Kg
Max load on front axle	7,000 Kg
Max load on rear axle	9,000 Kg
Crew	9 - 15
Curb weight	12,970 Kg (Long version)
(combat ready)	12,000 Kg (short version)
Max permissible load	3,030 Kg (Long version)
	4,000 Kg (short version)
Ground clearance	345 mm (laden position)
Approach angle	33°
Departure angle	41°
Total length	6,000 mm (short version)
	7,075 mm (Long version)
Wheelbase	3,350 - 3,860 mm
Height	2,860 mm (copula folded)
	3,340 mm (copula in combat position)
Width	2,510 mm
Chassis type	Ladder frame
Hull chassis joint	Torsion free joints
Acceleration (0 - 40)	0 km/h to 40 km/h in 8 secs
Acceleration (0 - 60)	0 km/h to 60 km/h in 17 secs
Range at 60 Km/h	1,000 Km
Turning radius	7.5 m (WB 3,200 mm)
	8.9 m (WB 3,860 mm)
Gradient	60%
Side slope	30°
CTIS	Optional
System and Engine Components	<p>CUMMINS ISBE 275 (Option 1) Working principle: 4 stroke diesel with turbo charger Max power: 271 PS at 2,100 rpm Max torque: 950 Nm at 1,200 rpm Dry weight: 470 kg</p> <p>CUMMINS ISLE 350 (Option 2) Max power: 345 PS at 2,100 rpm Max torque: 1,550 Nm at 1,400 rpm Dry weight: 738 kg</p>
Transmission	<p>Manufacturer: Allison 3000 Type: 3000 SP Number of forward gears: 5 Number of reverse gears: 1</p>
Transfer	<p>Manufacturer: Axle Tech Model: BT 600 Low and high gear, 4x2 and 4x4 wheel drive</p>
Fuel System	<p>Fuel tanks: 310 liter Fuel pumps: 3 Fuel split filter: 3 Water separator for fuel system: 1 The system consists of 3 tanks, independent circuits, to increase survivability</p>

Electrical System	<p>Voltage: 24 volt Generator: Single 140 Amp-hr Battery: 4X12 volt / 120 Ah, Nato type</p>
Brakes	Full air dry type service brake
Front/Rear brake type	Drum brakes
Hand Brake	Air actuated spring hand brake
Anti-lock system	ABS brake system
Steering	Hydraulic type
Axles	Axle Tech 4000 series
Front & rear axles	Planetary reduction in wheel ends, pneumatically operated differential lock
Hull	<p>Material: Composite of Ballistic steels and Aluminum bullet proof windows Protection up to Stanag 4569 Level 3 The bottom part is protected against grenades and landmines up to 4569 Level 3b</p>
Wheels & Tires	<p>5 units, single tires 14.00X20 Military type Tires: Radial Type, tubeless Two piece wheel Run flat element for all wheels</p>
Passengers and Seats	<p>Up to 15 personnel 3 personnel, front (driver, co-driver and commander) Up to 12 soldiers seats, face to face arrangement</p>
Air Conditioning	<p>Operating voltage 24 volt DC Component Compressor, condenser, evaporator, fans, hoses, etc.</p>
Operating temp	<p>-32 to +55° Celsius (including Wabesto heating system) Cooling capacity 8.500 kcal/hr Location crew compartment + driver and commander compartment</p>
Further standard components & specifications	<p>2 side doors for driver & co-driver 1 hydraulic door for crew on the back 1 emergency exit on the roof</p>
Cupola (optional)	1 copula with foldable protective walls
Gun port	2 on the right side, 2 on the left side
Towing hooks	1 on the front, 2 on the rear
Winch (optional)	1 unit, capacity 5 tons on front
Mirror	2 units - left and right side for driver
Lighting	<p>2 head lamps on front with protective attachment 2 mark lamps on left right side with protective attachment 2 fog lamps on rear with protective attachment 2 piece combination masked brake lamp on rear with protection attachment 1 search light</p>

