

MOREB UTT SINGLE CAB

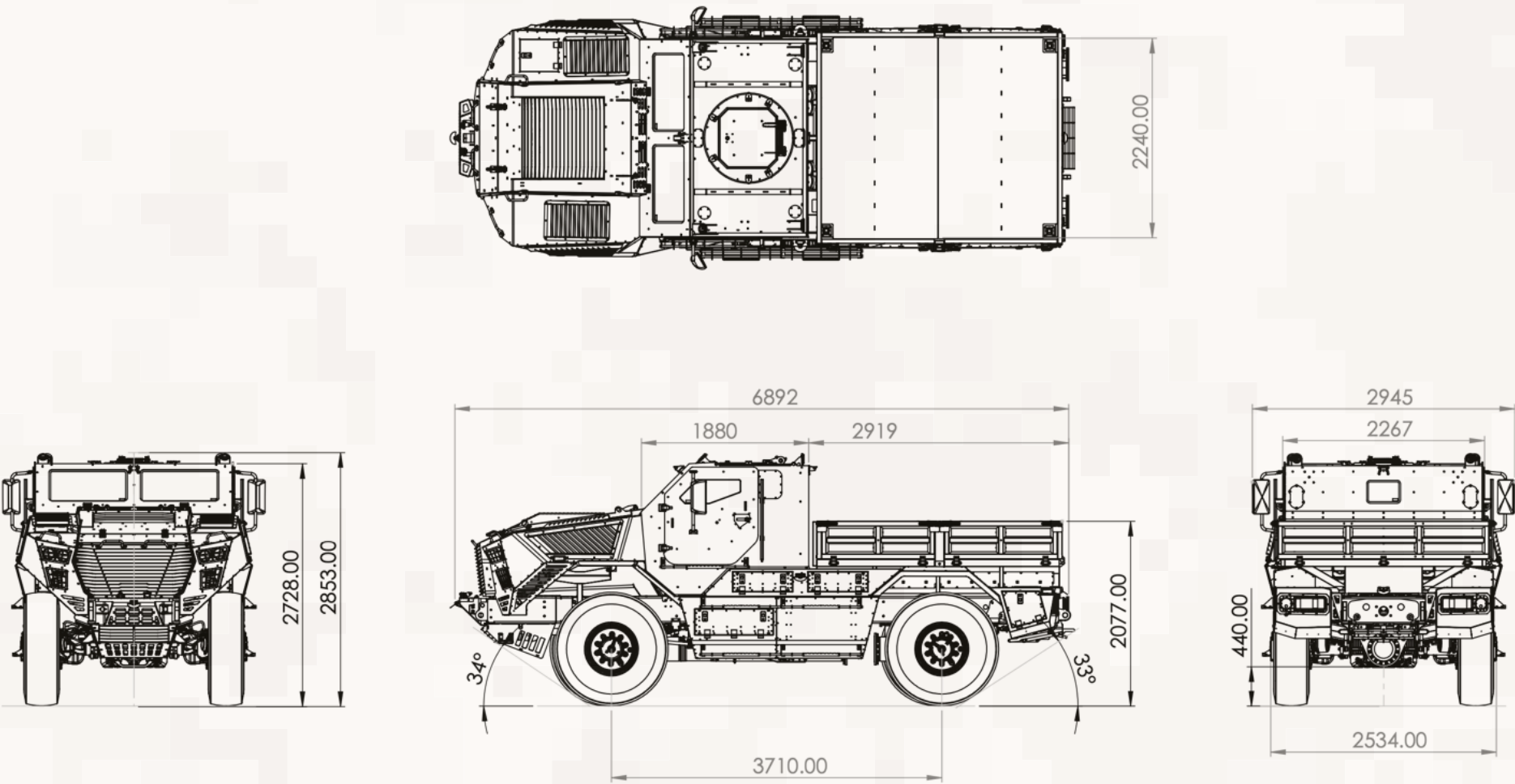
MRAP 4X4 - HIGH MOBILITY



- GVW = 16.5 ton, curb weight = 12.4 ton, payload = 4.1 ton.
- Ground clearance = ~450 mm (with the possibility of changing during driving).
- High Level of Blast & Ballistic Protection at Stanag Level 3a/3b blast and Stanag Level 3 Ballistic.
- Drive(r)/commander plus 1 crew
- Suspension (Axle differential locks, hub reduction, air bellows, telescope shock absorber, sway bar, swinging half- axles).
- Tactical tubeless tires 14.00 R20, CTIS, run flat, ABS
- Central Tire Inflation System with the ability to change the wheel pressure while driving.
- Dual circuit pneumatic braking system, drum brakes, ABS.

- ### CUMMINS ISLE 8.8L HIGH OUTPUT ALLISION 3200SP TRANSMISSION
- Fuel tank = 250 liter.
 - Pro Tek Blast Mitigation 4 point harness seats – adjustable driver & commander
 - Roof mounted modular turret bearing
 - 20,000lb dual power kinetic rope winch as standard
 - Door combat locking system
 - Internal and external stowage bins

- ### PERFORMANCE :
- Top speed.....110 Km/h
 - Gradeability.....100%
 - Water fording.....1,200 mm
 - Cruising range.....800 km
 - Step slope.....500
 - Trench width.....900 mm
 - Vertical step.....500 mm
 - Horse power.....375hp @2100rpm
 - Torque.....1550Nm @1200rpm



NAME	SIGNATURE	DATE	THICKNESS: NA	DESC: XXXDESCXX	REVISION
DEWIN		XXXXXX	WEIGHT: 8401488.64	PART NO. 7839-SC-GA-000-0	0
CHCD			FINISH: NA	SCALE: 1:100	SHEET 1 OF 1
APPLYD					QTY:
MFG					
Q.A.					
NOTES					

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Physical Dimensions

Overall length	<6.89m
Overall width	<2.5m
Overall height on road, standard wheel pressure, standard ride height	<2.7m
Wheelbase	3710mm
Ground clearance, standard wheel pressure, standard ride height	450mm (Pnumatic adjustable suspension max ride height)
Angle of approach	<50
Angle of departure	<50
Overhang front	<1200mm
Overhang rear	<1200mm

Vehicle Mass

Base vehicle combat weight	<16.5 tonnes
Base vehicle weight	<12.4 tonnes
Add on armor	<2500Kg
Payload capacity	4.1 tonnes
Maximum gross weight (front)	8 tonnes
Maximum gross weight (rear)	9 tonnes

Main Hardware

Engine	Cummins ISLe 375 8.8L High output
Gearbox	Allison 3200SP
Transferecase	Tatra 2.30 TRK
Front axle	Independent semi-axle
Rear axle	Independent semi-axle
Wheels	Hub reduction with CTIS, 14:00 R20 HCS
Suspension	Tatra standard set up. Non-pnumatic
CTIS	Sygon or similar
ABS	Duel circuit with ABS

Crew

Front section	2 pax Driver/Commander
Rear section	1 crew (option for gunner)
Turret	As per options
Front of seats	2 Blast mitigation
Rear of seats	1 blast mitigation, wall mounted
Seat belts	4 point in all positions

Ingress/Egress

Rear doors	N/A
Side doors	Driver/Commander (2 door configuration)
Hatches	Single central hatch for remote or manned weapons station
Steps	Intergrated into the side bin

Stowage

Gunracks	Seat or seat bracket mounted
Stowage bins interior	Incorporated behind or under seats
Stowage bins exterior	Incorporated in the fenders and side bins

DRV/CMD Cameras

DRV/CMD Situational camera system	4 cameras providing 360° vision, plus parking sensors front & rear
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Surface Finish and Paint

Interior	Matt finish as exterior
Exterior	Matt smooth finish RAL 011 (UAE Military)
Internal insulation	Cut to fit padded
Labelling	Heavy duty NATO labelling in English and Arabic
VIN plate	Supplied with Chassis.
Number plate provision	Supplied with Chassis.

Mobility Performance

Turning circle curb	16M
Turning circle wall to wall	18M
Top speed	110Kph
Cruising speed	80Kph
Cruising range	900Km (Based on a 250ltr fuel tank)
Gradient	70%
Parking brake hold gradient	70%
Side slope	45%
Fording performance	1200mm
Trench crossing	900mm
Step climb	450mm

Survivability Performance

Mine blast under wheel	STANAG 3a
Mine blast under belly	STANAG 3b

Ballistic Base Protection Crew

Sides	STANAG 2
Roof	STANAG 2
Firewall	STANAG 2
Add on armor	STANAG 3

Ballistic Base Protection Power Pack

Sides	STANAG 1
Bonnet	STANAG 1
Sump	STANAG 1
Grill	STANAG 1

Ballistic Base Protection Fuel Tank

	Self-sealing tank
Ballistic Base Protection Glass	(STANAG 2) 70mm (STANAG 3) replacement (102mm)

Climatic and Environment

Temperature (AC/Heater)	TATRA OEM AC System
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Lights

Drive front	Mil-spec with black out (Provided on the chassis)
Drive rear	Mil-spec with black out (Provided on the chassis)
External	Mil-spec Mil-spec with black out, convoy and plate marker (Provided on the chassis)
Interior	Mil-spec duel colour dimmer

Drive Train Equipment

Tire Inflation system (Chassis supplied)	Full auto centralised TIF with 4 pre-sets
Wheel assembly (Chassis supplied)	Continetal 14:00 R20 off road (or similar). Fitted with runflats (No spare)



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JAMMING SYSTEMS
ON VEHICLE



In modern warfare conditions, nearly all strategic attacks are carried out from the air. Various technological solutions have been developed, and continue to be developed, to prevent these attacks. However, these solutions (such as radar and radar-based air defense systems, thermal or high-resolution optical systems operating in low light conditions, and the interception systems connected to them) may sometimes prove insufficient. Small, smart rockets, UAV, drones, kamikaze devices, etc., made from materials that do not reflect radar signals can easily bypass these systems. Therefore, it is essential to account for not only visible attack risks during warfare but also invisible ones and take precautions using appropriate technologies.

Uni-3008 Jamming System, designed for regional defense, was developed to prevent high-risk air attacks through frequency jamming and spoofing techniques. The Uni-3008 Jamming System can mixing the most commonly used control frequencies in military and civilian GNSS (electronic positioning), drones, UAV, UCAV, USV, UGV, and similar devices.

The primary defense target of the Uni-3008 is to operationally counter UAV, UCAV, autonomous kamikaze drones, and electronically guided missiles, while also being capable of jamming or disabling control and positioning frequencies within the device's frequency spectrum. With the angular control of the Uni-3008, the area for jamming can be customized. Thanks to its mobile unit, which can be transported on a movable platform and targeted both horizontally and vertically, Uni-3008 has a lower risk of becoming a target compared to fixed systems. This also ensures maximum security coverage during the movement of defense units. In cases where regional defense is required, Uni-3008 can also be deployed on a fixed platform.



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CAN BE EASILY MOUNTED ON ANY TYPE OF VEHICLE

In changing terrain conditions, you can make the UNI-3008 Jammer System independent from the vehicle. The mobile cabin we designed for the UNI-3008 is compatible with all vehicles. The mobile cabin not only meets the device's power requirements but also serves as insulation for auxiliary equipment. It is highly durable, and its specialized tires provide maximum transport capability even on soft terrain.



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CONTROL SYSTEMS



01 MANAGE WITH THE SCREEN

You can control the Uni-3008 Jammer System via a touchscreen. You can manage the device’s coverage area and direction of impact live through the map. Managing and directing the device is very easy thanks to the touchscreen.



02 MANUAL CONTROL PANEL

You can manage the Uni-3008 Jammer System with the handheld control panel. Activating this panel when the device is used at night helps reduce visibility. Thus, you eliminate the risk of becoming a target due to light.



03 REMOTE CONTROL SYSTEM (RCS)

You can control the Uni-3008 Jammer System remotely. A dedicated frequency, resistant to jamming, is used between the remote control system and the device, allowing you to manage the system from a distance.



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TECHNICAL SPECIFICATIONS



Jamming Systems (Communication / Customizable)	UHF band L band S band C band
Antenna Beam Width	Horizontal: 120° Vertical: 90°
Antenna Gain	7-14 dbi
RF Output Power	1-100 Watt for each frequency (Customizable)
Power Supply	AC 175 - 250 V 50-60 Hz DC 200 - 320 V
Weight	350-400 Kg (including on-vehicle platform)
Pan / Tilt	Horizontal: 350° / Vertical: 110°
Operation Temperature Range	-50° C , +50° C
Installation	Fixed installation (on vehicle or platform)
Accessories	Manual control panel + Tablet computer (optional) + Remote control system (optional)

TRAKON LITE



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TRAKON LITE Remote Controlled Weapon Station(RCWS) is designed to be a low-profile, lightweight, cost-effective and versatile weapon station, essentially carrying a **12.7x99mm HMG** or **40mm automatic grenade launcher (MK-19)** or even **7.62mm** & **5.56mm**.

Its compact size allows the TRAKON LITE RCWS to be **easily installed** on a wide range of land and naval platforms such as unmanned ground vehicles, tactical vehicles as well as boats, assault and special operations crafts and unmanned surface ships.

Equipped with advanced **stabilization** and **targeting** technologies, TRAKON LITE RCWS ensures high accuracy in dynamic conditions. The fire control software algorithms, developed entirely by Unirobotics, enhance the probability of staying on target even when the platform or target is in motion.

Additionally, TRAKON LITE RCWS features superior **tracking** capabilities, allowing for continuous monitoring and engagement of moving targets. This advanced system increases hit probability and ensures effective engagement of moving targets, providing a significant tactical advantage in various operational scenarios.

TRAKON LITE RCWS is designed for seamless integration with various combat management systems (**CMS**). Its modular architecture and standardized interfaces facilitate quick and efficient integration, minimizing downtime and ensuring operational readiness. The system’s compatibility with a wide range of CMS allows for enhanced situational awareness and coordinated operations. This ease of integration ensures that TRAKON LITE RCWS can be rapidly deployed and fully operational within existing military infrastructure, providing a flexible and scalable solution for modern combat environments.

TRAKON LITE RCWS is an **essential asset** for modern military forces, offering unmatched precision and reliability in high-stakes operational environments.

Technical Specifications

Ammo Capacity	200 rounds for 12.7x99 mm
Ammo feeding	Left feeding only
Dimensions (excluded gun, included ammo can)	Length: 75cm, Width: 95cm, Height: 80cm
Empty Weight of the Turret	180 kg
Total Weight (Turret + M2 QCB)	220 kg without ammunition
Elevation Axis	-20°/+60° , 60°/s
Azimuth Axis	Nx360°
Stabilization	1 mRad
Day Camera	1920 x 1080 pixel, 30x optic zoom, 16x digital Zoom,
IR Thermal Camera	640 x 512 pixel, UNCOOLED LWIR or COOLED MWIR
Laser Range Finder	Eye Safe Class-1, Maximum range: 7km (UNCOOLED) ; Maximum range: 12km (COOLED)

Target Detection Ranges

Target Size 2.3m x 2.3m	Uncooled IR Camera	Day Camera	Cooled IR Camera (optional)
Detection	9.000m	10.000m	14.900m
Recognition	3.000m	4.500m	5.200m
Identification	2.000m	3.000m	3.400m

Environmental Standarts	MIL-STD-810G & MIL-STD-416F - EMI-EMC
Compatibility	M2 QCB (.50cal Browning) 12.7 X 99mm HMG, Mk-19 AGL & 5.56mm-7.62mm LMG
Local Control Unit	Included