4×4 HIGH MOBILITY HEAVY DUTY CARGO/TROOP CARRIER

The TATRA 4x4 High Mobility Heavy Duty - Tactical Truck is a member of the most recent development of the new military family of TATRA trucks - heavy-duty vehicles designed for rough terrain, difficult climatic and environment conditions. Due to its specific design features, this truck is particularly suitable for expeditionary forces and for deployment overseas. The 4×4 all-wheel drive chassis employs new development of the independent suspension and backbone tube frame, which are unique characteristics of the TATRA-concept chassis proven for more than 80 years. It allows each wheel to move independently, with improved steering, and maximum tire-to-ground contact, while featuring extreme resistance of the chassis against torsion and bending. This is provided by a solid 3D frame formed by connecting the backbone tube with a conventional ladder frame via several cross-members. In addition, the backbone tube frame also protects all driveline components, which are placed inside the backbone tube, against impacts, dust, and humidity. Low service and maintenance costs, and service-free design without conventional cardan-shaft torque distribution are other benefits of this concept.

Air springs all-round, along with the independent wheel suspension, care for low vertical vibration, and thus provide high ride comfort, enabling also fast drive in rough terrain.

- C-130 transportable
- Adjustable vehicle height and clearance
- All-wheel drive
- Differential locks
- CTIS operated on the fly
- Optional add-on armoring kits to be implemented by the end-user when needed
**ENGINE**  
Water-cooled, 4-stroke, turbocharged, aftercooled, direct injection diesel, electronically controlled.  
EURO 3 emission level.  
Make: CUMMINS  
Model: ISLe+ 350  
Numbers of cylinders: 6 in-line  
Bore/stroke: 114/144.5 mm  
Displacement: 8,850 cm³  
Max. power output: 257 kW (345 bhp)/2,100 RPM  
Max. torque: 1,550 Nm/1,400 RPM  

**TRANSMISSION**  
Model: Allison MD 3200 SP  
Automatic, no. of gears forward/reverse: 6/1  

**TRANSFER CASE TATRA 2.30 TRK 0.9/2.4**  
2-speed reducing.  

**FRONT AXLE**  
Steered, driven with swinging half-axes, front-drive disconnect, axle differential lock. Air springs and telescopic shock absorbers. Wheel hub reductions.  

**REAR AXLES**  
Driven, with swinging half-axes, axle differential lock. Air springs and telescopic shock absorbers. Wheel hub reductions. Swing bar.  

**STEERING**  
Left/right hand drive, integral power steering.  

**BRAKE SYSTEM**  
Drum brakes, pneumatically assisted, wedge type self-adjustable brake units, ABS.  
Four separate brake systems: service, emergency, parking and Jacobs engine brake.  

**WHEELS**  
Single tactical tyres on all axles with automatically controlled CTIS.  
Tyres: 14.00 R20 Tubeless  
Discs: 20 -10.00 V  
Beadlocks, run-flats as option  

**CAB**  
TATRA military, low profile all-steel cab enabling vehicle air transport-ability in C-130. Forward control cab, tilted manually/electrically by hydraulic pump. 2 adjustable seats with safety belts, firm middle seat with safety belt, right-left design, roof manhole. Rifle racks, sun visors, HVAC unit, independent heating as option. Prepared for add-on armouring.  

**DIMENSIONS**  
Overall width: 2,500 mm  
Track - front/rear: 2,072 mm  
Ground Clearance: 380 mm  
Clearance can be temporarily raised/lowered by suspension on the fly.  

**WEIGHTS**  
Curb weight: 10,500 kg  
Payload (max.): 8,500 kg  
Gross vehicle weight (max.): 19,000 kg  
Max. trailer weight: 18,000 kg  
Max. gross combination weight: 37,000 kg  

**ELECTRIC EQUIPMENT**  
Circuit voltage: 24V, negative pole grounded  
Battery: 170 Ah  
Alternator: 28 V/70A  
Black-out electrical system and convoy lights.  

**FUEL TANK**  
Capacity: 220 ltrs, 320 and 420 ltrs as option.  

**PERFORMANCE**  
Max. speed: 115 km/h  
Gradeability: 75%  
Turning circle diameter (curb to curb): 18.5 ± 1 m  
Fording capability: 1,500 mm  
Crossing ability - trench width: 900 mm  
Cruising range min. - on road approx.: 500 km  
Climbing ability - vertical step: 500 mm  
Operating ambient temperature: -32 to + 49 °C  

**EQUIPMENT**  
Trailer hook - automatic, incl. electrical and braking system coupling. Platform, foldable benches for 16 soldiers, rolled up sides of tarp, access through the rear. Transport of 6 or 10 ft ISO containers. Driver’s tools for maintenance and common repairs. 2kg ABC Fire extinguisher, pioneer tools, jack, wheel chock, 4x 20L Jerry cans. Winch - pulling capacity 54 kN, rope length 30 m - as option.