

T 815-7LOR59 19 257 4x4.1R



4x4 HMHD EXPLOSIVE ORDNANCE DISPOSAL VEHICLE

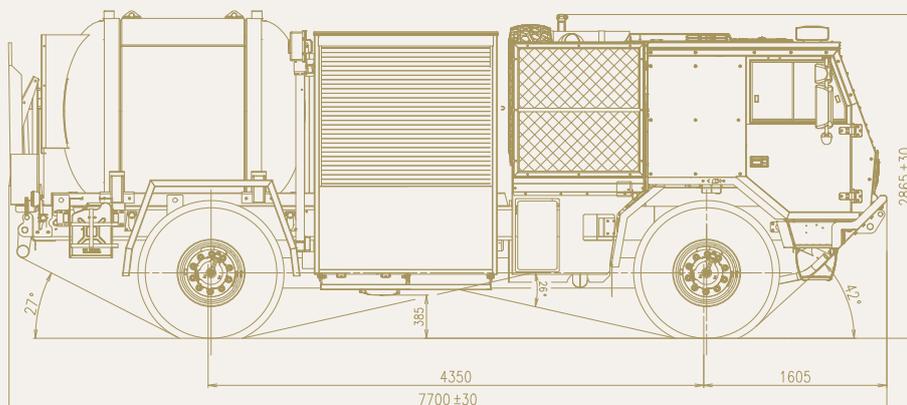
The TATRA 4x4 High Mobility Heavy Duty (HMHD) tactical truck is a member of the most recent development of the new military family of TATRA trucks - heavy duty vehicles designed for rough terrain, difficult climatic and environment conditions. Due to its specific design features, this truck is particularly suitable for expeditionary forces and for deployment overseas. The vehicle is designed for safe transport of EOD operators with their equipment, including remotely controlled robots, and explosion containment vessel for transport of explosive materials up to 10 kg of TNT equivalent.

The vessel provides effective protection for people and environment from heavy fragments and blast wave in case of uncontrolled detonation of transported unexploded ordnance (UXO) or other explosive material.

Lifted platform enables easy access to the loading box for the operators to place the item inside. It is also possible to use EOD robots for the loading to avoid the risk for the operators.

Chassis' 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 armouring kits to be implemented by the end-user when needed



INDEPENDENT SUSPENSION
SOLID 3D STRUCTURE FRAME
5,000 kg PAYLOAD
4x4 DRIVE
257 kW

TATRA IS THE SOLUTION



T 815-7

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4x4 HMHD EXPLOSIVE ORDNANCE DISPOSAL VEHICLE

ENGINE

Water-cooled, 4-stroke, turbocharged, aftercooled, direct injection diesel, electronically controlled.

EURO 3 emission level.

Make	CUMMINS
Modell	ISLe+ 350
Numbers of cylinders	6 in-line
Bore/stroke	114/144,5 mm
Displacement	8,850 cm ³
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, two speeds, pneumatic control.

FRONT AXLE

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

REAR AXLES

Driven, with swinging half-axles, axle differential lock. Air springs and telescopic shock absorbers. Wheel hub reductions. Sway 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 with automatic 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 air transportability in C-130. Forward control cab, tilted manually/electrically by hydraulic pump. 1+2 seats with safety belts, right-left design, roof manhole. Rifle racks, sun visors, HVAC unit, independent heating, add-on armouring as option.

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	14,000 kg
Payload (max.)	5,000 kg
Payload (max. weight of explosive material)	150 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 (at 19 t GVW)	75 %
Turning circle diameter (curb to curb)	18.5±1 m
Fording capability	1,500 mm
Crossing ability - trench width	900 mm
Climbing ability - vertical step	500 mm
Cruising range min. - on road approx.	500 km
Operating ambient temperature	-32 to + 49 °C

EQUIPMENT

Trailer hook - automatic, incl. electrical and braking system coupling.

Driver's tools for maintenance and common repairs.

Fire extinguisher, pioneer tools, jack, wheel chock, jerry cans.

Winch capacity 54 kN, rope length 30 m - as option.

EXPLOSION CONTAINMENT VESSEL

is anti-fragment, ventilated vessel designed for safe transport of UXO, misfired ammunition, IED and other hazardous/explosive materials up to 10 kg of TNT equivalent, e.g.:

- HEF projectile of calibre 152 mm, 1 pc
- HEF projectile of calibre 125 mm, 2 pcs
- Blast anti-tank mine, 1 pc
- Cluster anti-tank mine, 3 pcs
- Mortar grenade calibre 120 mm, 2 pcs
- Mortar grenade calibre 98 mm, 4 pcs
- Hand grenade, 20 pcs
- Ammunition caliber 35 mm, 10 pcs

The vessel is equipped with automatic system which allows wire or wireless remote control of closing and opening of the loading cover, as well as moving of loading box installed inside the vessel on a special conveyor. In case of the automatic system failure there is also option to operate the vessel manually.



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