The ATX8 cargo/troop carrier with crane is an 8×8 member of the new military family of high mobility heavy duty tactical trucks designed and built for operations in the most difficult cross-country conditions. It is logistic truck for transport of 16 troops or different kinds of goods up to 21,000 kg. The mounted hydraulic crane with 240 kNm capacity can load pallets and other goods up to 5,500 kg. Exceptional resistance of the chassis against twisting and bending, as well as low transfer of vibrations on the load make it ideal means for transporting people or sensitive loads.

The independent suspension with swing half-axles and backbone tube are unique characteristics of the Tatra Tactical Chassis Technology which has been proven and refined over the last 80+ years. The design allows each wheel to move independently with maximum tire-to-ground contact, while the solid 3D structure chassis nearly completely eliminates torsional and bending forces on the superstructure. Additionally, all driveline components, including differentials, are housed inside the backbone tube where they are protected against ground contact, dust and water. Our unique “cardan-shaft free” torque distribution design translates into low service and maintenance costs.

With air spring at each wheel position, our independent suspension has superior wheel travel allowing operators to tackle with ease the most punishing terrain, even at higher speeds. The design also incorporates ride height control, allowing the operator to adjust on the move the chassis height according to the character of obstacle or to load the vehicle into a C-130 aircraft. Our cabin is available in both short and extended variants, with soft skin, add-on armor kits or as a replaceable cabin protected up to STANAG Level 3/4.
ENGINE – NAVISTAR MaxxForce® D 12.4
Water cooled, four stroke turbo-charged and charge-air-cooled direct injection diesel.
Model Navistar MaxxForce® D 12.4
Number of cylinders 6 In-Line
Bore/stroke 126/166 mm
Displacement 12.4 L
Power output 335 kW (450 bhp) @ 1,700 RPM
Max. torque 1,972 Nm (1,453 lb-ft) @ 1,000 RPM

TRANSMISSION - Allison 4500SP
Automatic, no. of gears forward/reverse 6/1

TRANSFER BOX
Type TATRA 2.30 TRK 0.9/2.4. Speed reducing. Pneumatic control.

FRONT AXLES
TATRA steered and driven swing half-axes with independent wheel suspension, axle differential locks and inter-axle differential lock. Wheel hub reductions. Air springs and telescopic shock absorbers, anti-sway bars.

REAR AXLES
TATRA driven swing half-axes with independent wheel suspension, axle differential locks and inter-axle differential lock. Wheel hub reductions. Air springs and telescopic shock absorbers, anti-sway bars.

STEERING
Left/right hand drive, integral power steering.

BRAKES
Wedge type self-adjustable drum brake units, ABS. Four separate brake systems: service, emergency, parking, and engine brake.

WHEELS
Single tactical tires on all axles with CTIS.
Rims 20-10.00V
Tires 16.00 R20
Beadlocks, run-flats as option

CAB
COE type, medium size, forward tilting, all-steel, two doors, driver’s adjustable seat with safety belt, firm 2 seats with safety belt, flat 2-piece windshield, right-left design, roof manhole. Rifle racks, sun visors, HVAC unit. C-130 transportable. Add-on armoring.

ELECTRIC EQUIPMENT
Nominal voltage 24 V
Batteries 4×12V, 220 Ah
Alternator 260 A/28 V

DIMENSIONS
Width 2,500 mm
Track - front/rear 2,072 mm
Clearance 410 mm
Clearance can be temporarily raised/lowered by suspension on the fly.

WEIGHTS
Curb weight (w/ armored cab) 16,900 kg
Payload max. 21,000 kg
GVW max. 38,000 kg

PERFORMANCE
Top speed 115 km/h
Gradeability at GVW 55 %
Side slope 45 %
Turning circle diameter (curb to curb) 26 ± 1 m
Fording capability 1,500 mm
Crossing ability - trench width 2,100 mm
Fuel tank 570 ltrs
Cruising range (on road) 1,100 km
Climbing ability - vertical step 600 mm
Operating ambient temperature -32°C to +49°C

EQUIPMENT
Cargo body - w/tarpaulin, rear foldable access, optionally sitting for 16 troops.
Crane - capacity 240kNm, outreach 6.9 m, outreach lifting capacity 5,800 kg/4.3 m to 3,550 kg/6.9 m, remote control.
CTIS - automatic.
Trailer hook - automatic, incl. electric and braking system coupling.