The 6x6 cargo/troop carrier of the TATRA PHOENIX family is the so-called commercial-off-the-shelf (COTS) product; it is a vehicle just with a few modifications to its serial civilian version, which is designed for heavy terrain. A big advantage of the TATRA PHOENIX range trucks is their reliability and efficiency in the off-road environment.

The new range of TATRA PHOENIX vehicles intended for defense and military segment is particularly suitable to be operated as a logistic and administrative support under tough terrain conditions.

It is still the same TATRA vehicle concept, i.e. a rigid frame and independently suspended half-axles, and its well-known advantages over competitors such as high off-road speed, driving comfort and vehicle stability. The suspension system is the same as of the T815-7 family vehicles, therefore driving comfort and performance are at a comparable level.

6x6 CARGO/TROOP CARRIER

INDEPENDENT SUSPENSION
SOLID 3D STRUCTURE FRAME
17,500 kg PAYLOAD
6x6 DRIVE
300 kW
T 158 - 8P3R33.391 6x6.2
6x6 CARGO/TROOP CARRIER

ENGINE
Water-cooled, 4-stroke, turbocharged, aftercooled, direct injection diesel, electronically controlled.
Model PACCAR MX300 EURO III
Numbers of cylinders 6 in-line
Bore/stroke 130/162 mm
Displacement 12,900 cm³
Max. power output 300 kW (408 bhp)/1,500 RPM
Max. torque 2,000 Nm/1,000 - 1,400 RPM

TRANSMISSION
Model ZF 16S 2230 TO
Manual, no. of gears forward/reverse 16/2

TRANSFER CASE TATRA 1.30 TR 1.28
Single-speed

FRONT AXLE
TATRA, steered, driven with swinging half-axles, disengageable front-drive, axle differential lock. Air springs and telescopic shock absorbers, sway bar.

REAR AXLES
TATRA, driven, with swinging half-axles, axle differential locks and inter-axle differential lock. Air springs and telescopic shock absorbers, sway bar.

STEERING
Left 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 engine brake.

WHEELS
Tyres 385/65 R22.5 / 315/80 R22.5
Discs 22.5x11.75 / 22.5x9.00

DIMENSIONS
Overall width 2,550 mm
Wheel track - front/rear 1,942/1,774 mm
Ground clearance 280 mm

WEIGHTS
Curb weight 12,500 kg
Payload (max.) 17,500 kg
Gross vehicle weight (max.) 30,000 kg
Max. trailer weight 24,000 kg
Max. gross combination weight 54,000 kg

ELECTRIC EQUIPMENT
Circuit voltage 24V, negative pole grounded
Battery 180 Ah
Alternator 28 V/80A

FUEL TANK
Capacity 300 l

PERFORMANCE
Max. speed with speed limiter 85 km/h
Gradeability at 30t GVW (calculated) 100%
Turning circle diameter (curb to curb) 18.5±1 m
Fording capability 800 mm
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.
2kg ABC fire extinguisher, jack, wheel chocks.

CARGO BODY
Steel platform, foldable benches for 28 soldiers, capacity to transport 8-10 STANAG 2828 pallets in one layer, ISO 1C container or two ISO 1D containers.