

# T 815-790R99 38 300 8x8.1R



## 8x8 HIGH MOBILITY HEAVY DUTY CHASSIS

The TATRA 8x8 High Mobility Heavy Duty (HMHD) chassis is built as a platform for various kinds of special vehicles that need:

- superior drive-ability in difficult terrain
- transport troops or sensitive material over difficult terrain
- heavy armoured protection on the chassis
- reliable chassis with low life-cycle costs

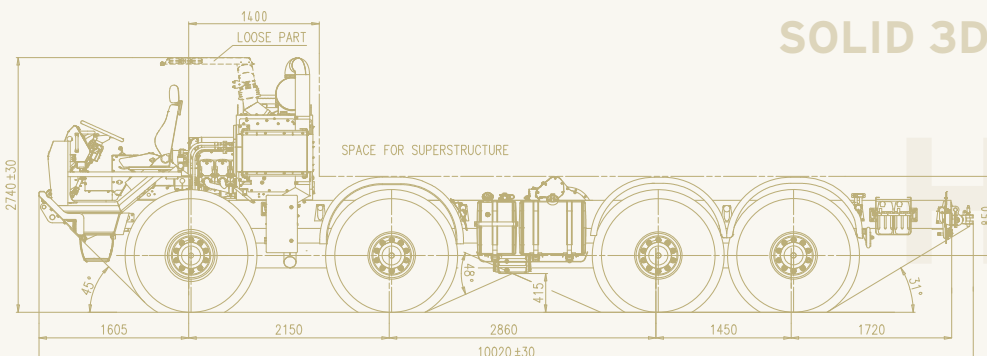
Military chassis convenient for operation in the heaviest terrain and climatic conditions, in regions with extremely high and cold ambient temperatures, high humidity and in dusty environments.

The all-wheel drive chassis employs independent suspension and backbone tube frame, the unique features of the TATRA-concept chassis proven more than 80 years, that allow each wheel to move independently with improved steering and maximum tire to ground contact.

3-dimensional space solid frame created by connection of backbone tube and conventional ladder frame is exceptionally rigid against torsion and bending. In addition the backbone tube frame also protects driveline shafts from transfer case to the wheels and differentials that are placed inside, against dust, moisture and outer mechanical damages (service-free design without cardan-shaft torque distribution).

The unique chassis and independent suspension design give the vehicle exceptional resistance to shocks and vibrations, protects superstructures from torsion and stresses, and allows to be driven fast in rough terrain or on damaged roads.

- C-130 transportable
- Adjustable vehicle height and clearance
- All-wheel drive
- Differential locks
- CTIS operated on the fly



INDEPENDENT SUSPENSION  
SOLID 3D STRUCTURE FRAME  
25,000 kg PAYLOAD  
8x8 DRIVE  
300 kW

TATRA IS THE SOLUTION



# T 815-7

tatratrucks.com

# T 815-790R99 38 300 8x8.1R

## 8x8 HIGH MOBILITY HEAVY DUTY CHASSIS

### ENGINE TATRA T3C-928-90 EURO 3

Air cooled, four stroke turbo-charged and charge-air-cooled direct injection Diesel.

|                     |                    |
|---------------------|--------------------|
| Number of cylinders | 8                  |
| Bore/stroke         | 120/140 mm         |
| Displacement        | 12.7 ltrs          |
| Power output        | 300 kW/1,800 RPM   |
| Max. torque         | 2,100 Nm/1,000 RPM |

### CLUTCH

MFZ 1x430, single plate, with diaphragm spring. Hydraulic control with pneumatic booster.

### TRANSMISSION - TATRA 14 TS 210L

|  |    |
|--|----|
| Number of speeds: - forward  | 14 |
| - reverse  | 2  |
| Semiautomatic split. Except of the crawler and reverse gears, all gears are synchromeshed. |    |
| Electro-pneumatic shift.   |    |

### FRONT AXLES

TATRA steered and driven swing half-axles with independent wheel suspension, axle differential locks and inter-axle differential lock.

Wheel hub reductions.  
Air springs and telescopic shock absorbers.

### REAR AXLES

TATRA driven swing half-axles with independent wheel suspension, axle differential locks and inter-axle differential lock. Wheel hub reductions.

Air springs and telescopic shock absorbers, 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 tyres on all axles with CTIS.

|                                |            |
|--------------------------------|------------|
| Rims                           | 20 -10.00V |
| Tyres                          | 16.00 R20  |
| Beadlocks / runflats as option |            |

### CAB

The chassis is delivered without standard TATRA cab. A frame holding dashboard, pedals, steering and seat is mounted on the chassis instead of the cab.

Other equipment delivered as loosing parts. Cab tilting mechanism with hydraulic cylinder controlled electrically.

### ELECTRIC EQUIPMENT

|                 |               |
|-----------------|---------------|
| Nominal voltage | 24 V          |
| Batteries       | 2x12V, 170 Ah |
| Alternator      | 80 A/28 V     |

### DIMENSION

|   |                    |
|---|--------------------|
| Width   | 2,500 mm           |
| Clearance adjustable  | 245 / 390 / 460 mm |
| Clearance can be temporarily raised/lowered by suspension on the fly. |                    |

### WEIGHTS

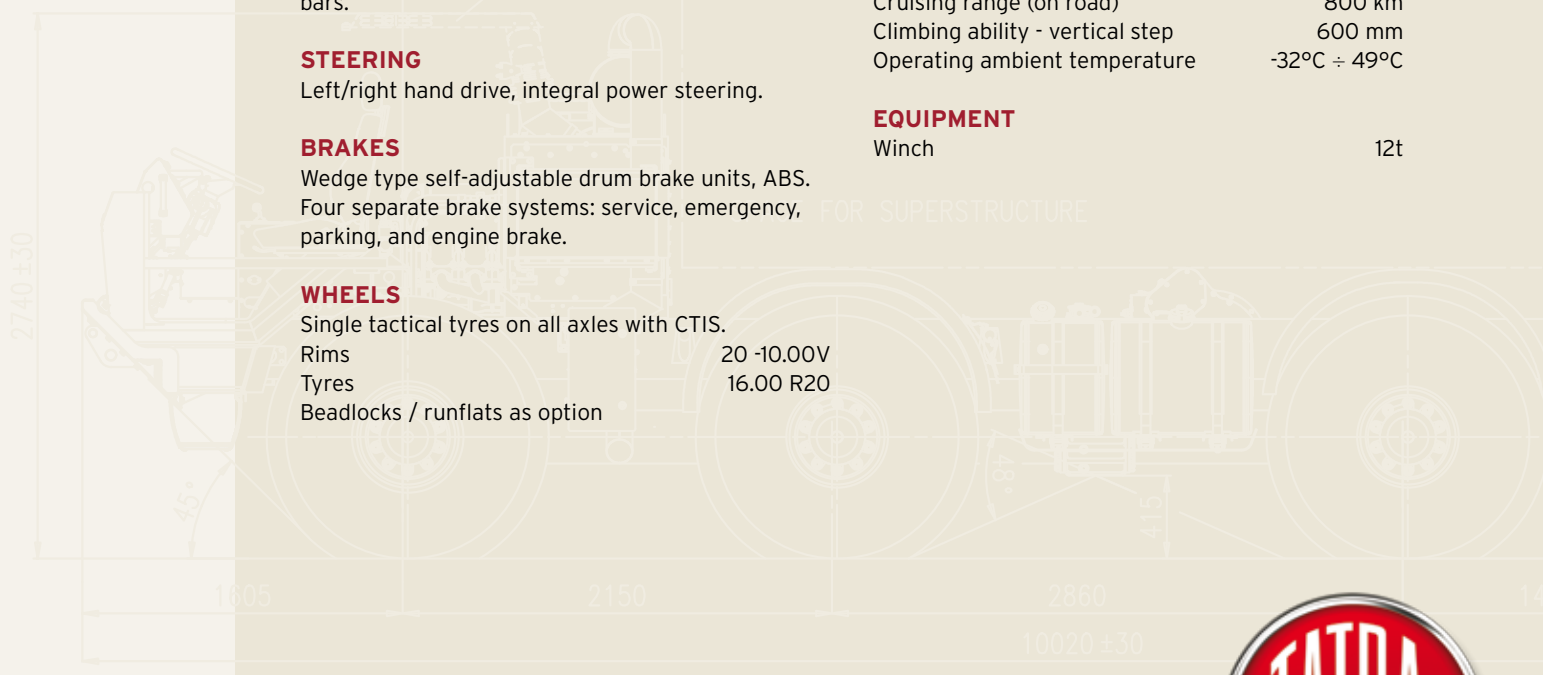
|                        |           |
|------------------------|-----------|
| Curb weight - chassis  | 13,000 kg |
| Payload max. - chassis | 25,000 kg |
| GVW max.               | 38,000 kg |

### PERFORMANCE

|  |              |
|--|--------------|
| Top speed                              | 115 km/h     |
| Gradeability                           | 65 %         |
| Side slope                             | 45 %         |
| Turning circle diameter (curb to curb) | 24±1 m       |
| Fording capability                     | 1,500 mm     |
| Crossing ability - trench width        | 2,200 mm     |
| Fuel tanks                             | 540 ltrs     |
| Cruising range (on road)               | 800 km       |
| Climbing ability - vertical step       | 600 mm       |
| Operating ambient temperature          | -32°C ÷ 49°C |

### EQUIPMENT

|       |     |
|-------|-----|
| Winch | 12t |
|-------|-----|



### TATRA EXPORT s.r.o.

Areál Tatry 1450/1, 742 21 Kopřivnice, Czech Republic  
tel.: +420 556 492 398, fax: +420 556 492 672, e-mail: defence@tatra.cz

tatratrucks.com