

# T 158 - 8P3N36.341 6x6.2R



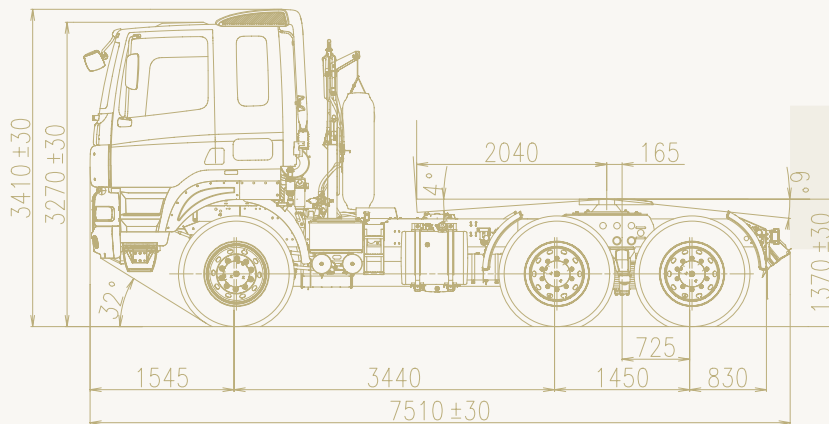
DEFENCE

## 6x6 SEMITRAILER TRACTOR

The 6x6 semitrailer tractor 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, designed to be operated on public roads and for off-road operation, especially in rough terrain conditions. 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 defence 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 backbone-tube frame and independently suspended half-axes, 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 of special military vehicles, therefore driving comfort and performance are at a comparable level.



INDEPENDENT SUSPENSION

SOLID 3D STRUCTURE FRAME

29,370 kg PAYLOAD

6x6 DRIVE

300 kW

HEAVY DUTY

TATRA TAKES YOU FURTHER

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# TATRA PHOENIX

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## 6x6 SEMITRAILER TRACTOR

### ENGINE

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

|                      |                                       |
|----------------------|---------------------------------------|
| Model                | PACCAR MX300 EURO 3                   |
| Numbers of cylinders | 6 in-line                             |
| Bore/stroke          | 130/162 mm                            |
| Displacement         | 12 900 cm <sup>3</sup>                |
| Max. power output    | 300 kW<br>(408 bhp)/1,500 - 1,900 RPM |
| Max. torque          | 2,000 Nm/1,000 - 1,410 RPM            |

Note: EURO 5 optional.

### TRANSMISSION

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

### TRANSFER CASE

|                             |                          |
|-----------------------------|--------------------------|
| Model                       | TATRA 2.30 TRK 0.76/1.44 |
| Two-speed, shifted at halt. |                          |

### FRONT AXLE

Steered, driven with swinging half-axes, disengageable front-drive, axle differential lock, wheel hub reductions. Air springs and telescopic shock absorbers, sway bar.

### REAR AXLES

Driven, with swinging half-axes, axle differential locks and inter-axle differential lock, wheel hub reductions. Combined suspension of air springs and coil springs, telescopic shock absorbers, sway bar.

### STEERING

Left hand drive, integral power steering.

### BRAKE SYSTEM

Drum brakes, pneumatically assisted, wedge type self-adjustable brake units, EBS.

Four separate brake systems: service, emergency, parking and engine brake.

MX Engine Brake and Transmission retarder.

### WHEELS

|       |                              |
|-------|------------------------------|
| Tyres | 325/95 R24 TL, dual mounting |
| Discs | 8.5                          |

### CAB

Forward control cab, middle cab, tilted manually, 2 adjustable seats with safety belts. HVAC unit, roof hatch, two bunks.

### DIMENSIONS

|                          |                 |
|--------------------------|-----------------|
| Overall width            | 2,550 mm        |
| Wheel track - front/rear | 1,984/ 1,780 mm |
| Ground clearance         | 340 mm          |

### WEIGHTS

|                               |             |
|-------------------------------|-------------|
| Curb weight                   | 11,630 kg   |
| Fifth wheel load              | 29,370 kg   |
| Gross vehicle weight (max.)   | 41,000 kg   |
| Front axle capacity           | 9,000 kg    |
| Rear axles capacity           | 2x16,000 kg |
| Max. gross combination weight | 110,000 kg  |

### ELECTRIC EQUIPMENT

|                 |                             |
|-----------------|-----------------------------|
| Circuit voltage | 24V, negative pole grounded |
| Battery         | 2x12 V, 180 Ah              |
| Alternator      | 28 V/80A                    |

### FUEL TANK

|          |       |
|----------|-------|
| Capacity | 340 l |
|----------|-------|

### PERFORMANCE

|  |               |
|--|---------------|
| Max. speed with speed limiter          | 85 km/h       |
| Grade ability at 41t GVW (calculated)  | 100 %         |
| Grade ability at 110t GCW (calculated) | 31 %          |
| Turning circle diameter (curb to curb) | 17.5±1 m      |
| Fording capability                     | 800 mm        |
| Operating temperature                  | -18 to +50 °C |

### EQUIPMENT

Fifth wheel ORLANDI 3,5"

Driver's tools for maintenance and common repairs. 2kg ABC fire extinguisher, jack, 2 wheel chocks.

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