

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



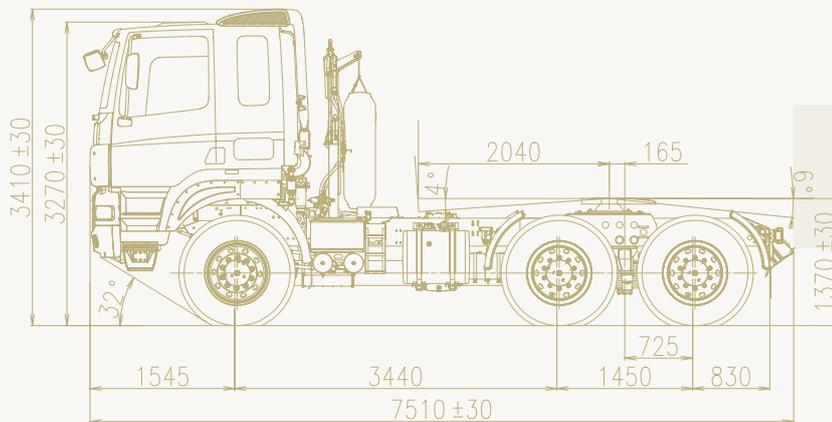
DEFENCE

## 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

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

## 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 (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
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### 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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TATRA EXPORT s.r.o.

Areál Tatra 1450/1, 742 21 Kopřivnice, Czech Republic

tel.: +420 556 492 398, fax: +420 556 492 672, e-mail: defence@tatra.cz