

T 158-8P5R33.391 6x6.2

# FORESTRY

## UNIVERSAL COMBINATION VEHICLE FOR TIMBER TRANSPORTATION

If you combine the outstanding performance of the 6x6 TATRA PHOENIX truck with an engageable drive of the front wheels, a superstructure, a telescopic Umikov semi-trailer and powerful EPSILON equipment, you will get a highly effective and universal combination vehicle for removing timber from the forest as well as for its subsequent transportation.

The TATRA PHOENIX truck offers the combination of a unique TATRA chassis with a spacious cab, modern PACCAR MX engines and ZF transmissions. TATRA PHOENIX trucks will thus take you further - to places which other trucks cannot reach. Moreover, due to their economic operation, TATRA PHOENIX trucks will also "take" you to higher profits.

The three-axle UMIKOV NPK 39T telescopic semi-trailer equipped with movable stakes is made of high quality materials produced by the renowned Swedish SSAB company. The hydraulic expansion of the frame of up to 3,000mm and the adjustment of stakes can be smoothly controlled from the hydraulic crane seat without side locking; the stakes are secured by means of hydraulic locks. This system and a low kerb weight make the semi-trailer highly universal and highly effective.

The vehicle is equipped with an EPSILON Q170 Z96 hydraulic crane. The working radius of 9.6m and the lifting capacity at the end of the arm of 1,600 kg make this equipment powerful and universal.

Compared to other equipment, these parameters result in shorter loading and unloading times of up to 60 per cent, which means more cost-effective work as well as lower operating costs.

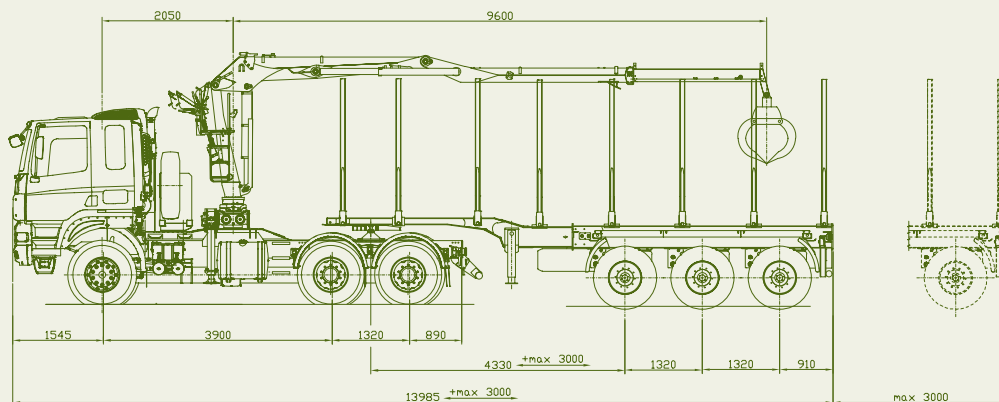
HIGH PRODUCTIVITY

BOTH OFF-ROAD AND ON-ROAD EFFICIENCY

UNIVERSAL TELESCOPIC SEMI-TRAILER

HIGHLY POWERFUL LOADING EQUIPMENT

COMFORT FOR DRIVERS



TATRA TAKES YOU FURTHER

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# TATRA PHOENIX



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## UNIVERSAL COMBINATION VEHICLE FOR TIMBER TRANSPORTATION

### ENGINE

Type	PACCAR MX340, EURO V
Cylinders	6
Bore/stroke	130/162 mm
Swept volume	12,900 cm <sup>3</sup>
Net output	340 kW/1,900 min <sup>-1</sup>
Net torque	2,300 Nm/1,000 - 1,410 min <sup>-1</sup>
SCR exhaust fumes after-treatment	
Option	MX Engine Brake

### TRANSMISSION

Manual ZF 16S 2530 TO, option: built-in retarded - "intarder"	
Gears	
- forward	16
- reverse	2
Option	16-speed automated ZF 16AS 2630 AS Tronic

### TRANSFER CASE

Type	TATRA 1.30 TRK
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### FRONT AXLE

Steered, driven, swinging half-axes, engageable drive, axle differential	
Suspension - air bellows and telescopic shock absorbers	
Option	anti-roll bar

### REAR AXLES

Driven, swinging half-axes, axle differential locks, interaxle differential lock	
Suspension - air bellows combined with coil springs, telescopic shock absorbers and an anti-roll bar on the last axle	

### STEERING

Left-hand, hydraulic power steering
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### BRAKES

Four independent brake systems - service, emergency, parking and engine
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### TIRES AND DISCS

	Front	Rear
Tires	385/65 R22.5	315/80 R22.5
Discs	22.5x11.5	9.00x22.5

### CAB

COE, sleeper cab, hydraulic tilt-cab, engine-dependant heating	
Option	air-conditioning, independent heating
Seats	2

### TANKS

Fuel tank	steel, 300 l
AdBlue tank	45 l

### WEIGHTS

Gross vehicle weight	30,000 kg
Gross combination weight	54,000 kg

### ELECTRIC EQUIPMENT

Voltage	24 V
Battery	2x12 V, 170 Ah
Alternator	24 V/80 A

### VEHICLE PERFORMANCE

Climbing ability at 30,000 kg	100 %
Maximum speed with speed limiter	85 kmph
Wall-to-wall diameter	19.5±1 m
Fording ability	800 mm

### UMIKOV SEMI-TRAILER

Type	NPK 39T
Telescopic semi-trailer with movable stakes made for transporting timber of 2 to 14 m; hydraulic frame expansion by 3,000 mm; three BPW ECO PLUS axles, two of them being liftable; air suspension: BPW 30 air bellows	
Semi-trailer kingpin	JOST KZ 1010
Semi-trailer kerb weight from	6,350 kg
Max technically allowable axle load	3x9,000 kg
Gross semi-trailer weight	42,000 kg

### EPSILON HYDRAULIC CRANE

Type	Q170 Z 96
Lifting class, group	H1 B4
Net lifting moment	158 kNm
Working radius	9,600 mm
Pump	PARKER F 2 - 53/53 R
Grab type	EPSILON FG 53
Crane weight incl. outriggers	2,720 kg
Lifting capacity	3,950 kg/4 m
	3,150 kg/5 m
	2,600 kg/6 m
	2,210 kg/7 m
	1,910 kg/8 m
	1,670 kg/9 m

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