

# T 158-8P5R33.451 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 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 UMIKOV NKD 15 superstructure is equipped with cross members with stakes which are mechanically adjustable according to the type of transported timber. The three-axle UMIKOV PN 3.24 trailer with mechanically adjustable stakes is made of high quality materials produced by the renowned Swedish SSAB company. The superstructure features BPW or SAF axles and air suspension with a possible lifting of the middle axle. The trailer is equipped with a system providing instant information about the axle load. As a whole, the combination vehicle is highly effective. The vehicle uses an EPSILON M130 Z 96 hydraulic crane, enabling handling of timber of all lengths with minimum space requirements.

The working radius of up to 9.6m with a loading capacity at the end of the arm of 1,210kg makes 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.

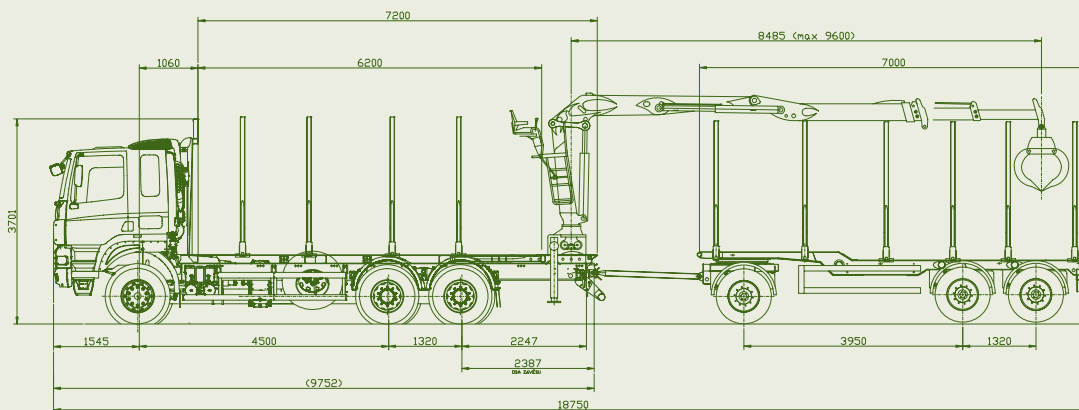
**HIGH PRODUCTIVITY**

**BOTH OFF-ROAD AND ON-ROAD EFFICIENCY**

**TECHNICAL PERFECTION OF SUPERSTRUCTURE AND 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 |
|------|----------------|

### FRONT AXLE

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

### REAR AXLES

|   |  |
|---|--|
| Driven, swinging half-axles, 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

### BRAKES

Four independent brake systems - service, emergency, parking and engine

### 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 TRAILER


|   |           |
|---|-----------|
| Type  | PN 3.24   |
| Three-axle trailer, no floor, with stakes, made for transportation of timber of 2 to 8 m; three BPW or SAF axles, one of them being liftable; dual tires or single tires according to customer requirements; air suspension; EBS anti-blocking system |           |
| Trailer kerb weight from  | 5,000 kg  |
| Gross trailer weight  | 24,000 kg |
| Max technically allowable trailer weight  | 27,000 kg |


### EPSILON HYDRAULIC CRANE

|                               |  |
|-------------------------------|--|
| Type                          | M130 Z96   |
| Lifting class, group          | HI B4  |
| Net lifting moment            | 119 kNm  |
| Boom reach                    | 9,600 mm   |
| Pump                          | PARKER F 2 - 53/53 R   |
| Grab type                     | EPSILON FG 53  |
| Crane weight incl. outriggers | 2,280 kg   |
| Lifting capacity              | 2,960 kg/4 m<br>2,360 kg/5 m<br>1,950 kg/6 m<br>1,650 kg/7 m<br>1,430 kg/8 m<br>1,210 kg/9 m |

TATRA PHOENIX

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