

T158 - 8P5R46.231 8x8.1R

# MINING



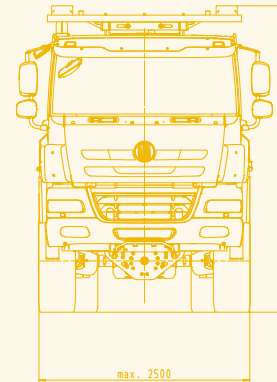
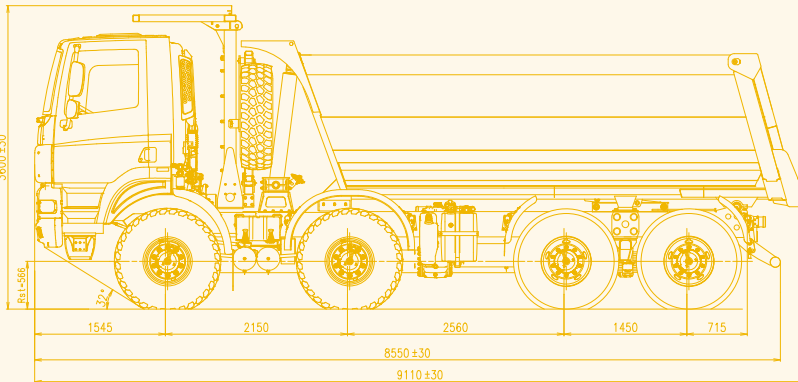
## 8x8 ONE-WAY TIPPER

The TATRA PHOENIX is a combination of a unique TATRA chassis with a spacious and comfortable cab, modern PACCAR MX engines, and ZF transmissions. Thanks to these features, TATRA TAKES YOU FARTHER - to places which other trucks cannot reach, and also to higher profits thanks to great efficiency and productivity.

The excellent productivity of the TATRA PHOENIX is a result of high payload and high speed that you can achieve in off-road conditions. With a TATRA truck you can transport more material faster.

Efficient PACCAR MX engines offer reasonable operating costs even on hard terrain. The TATRA PHOENIX achieves higher speed and lower fuel consumption compared to competitors' rigid or articulated dump trucks used in mining operations. In addition, the TATRA unique chassis design together with air suspension on all axles enhances comfort of the TATRA PHOENIX. For GVW of 40 tons (6x6) and 50 tons (8x8), hub reduction gears are used.

The TATRA PHOENIX is an all-wheel drive truck; front drive is equipped with shift-on-the-fly capability without a need to stop. A possibility to operate also as a non-all-wheel drive truck results in additional fuel saving. The TATRA PHOENIX can also be equipped with a central tire inflation system (CTIS) saving fuel, reducing tire wear, and even improving off-road capabilities.



- EXCELLENT OFF-ROAD CAPABILITIES
- HIGH TRANSPORTATION SPEED
- HIGH PAYLOAD
- LOW FUEL CONSUMPTION
- COMFORT FOR THE DRIVER

TATRA TAKES YOU FARTHER

THE NEW



# TATRA PHOENIX

tatratrucks.com

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## 8x8 ONE-WAY TIPPER

### ENGINE

|                         |  |
|-------------------------|--|
| Type                    | PACCAR MX 340                            |
| Nos. of cylinders       | 6  |
| Bore/stroke             | 130/162 mm                               |
| Swept volume            | 12,900 cm <sup>3</sup>                   |
| Power                   | 340 kW/1,500 min <sup>-1</sup>           |
| Torque                  | 2,300 Nm/1,000 - 1,400 min <sup>-1</sup> |
| Emission level          | EURO V (SCR)                             |
| Option: MX Engine Brake |  |

### CLUTCH

Type SACHS MFZ 1x430, single disc clutch

### TRANSMISSION

|   |                 |
|---|-----------------|
| Manual  |                 |
| Type  | ZF 16S 2530 TO  |
| Nos. of gears - forward   | 16              |
| - reverse   | 2               |
| Option: automated, with an electronically controlled clutch, transmission retarder (intarder) |                 |
| Type  | ZF 16AS 2630 TO |
| Nos. of gears - forward   | 16              |
| - reverse   | 2               |
| Option: transmission retarder (intarder)  |                 |

### TRANSFER CASE

|  |                |
|--|----------------|
| One-speed                                      |                |
| Type   | TATRA 1.30 TR  |
| Option: two-speed, with shifting at standstill |                |
| Type   | TATRA 2.30 TRK |

### PTOs

Type NH/1C from transmission

### FRONT AXLE

Steered, driven with swinging half-axles, axle differential lock. Hub reduction. Disengageable front drive. Air bellows and telescopic shock absorbers, torsion bar on the 1<sup>st</sup> axle.

### REAR AXLES

Driven, with swinging half-axles, axles and interaxle differential lock. "Heavy combined TATRA suspension" - air bellows with leaf springs.

### STEERING

Left Hand Drive  
Integral power steering, ZF

### BRAKES

Wedge type self-adjustable drum brake units, EBS  
Four separate brake systems: service, emergency, parking and engine brake

### TIRES, DISCS

|       | Front      | Rear       |
|-------|------------|------------|
| Tires | 16.00 R20* | 24.00 R21* |
|       | 16.00 R20* | 16.00 R20* |
|       | 14.00 R20  | 12.00 R24  |
|       | 12.00 R24  | 12.00 R24  |

Option: central tire inflation system (CTIS)

### CABIN

Short, cab over engine, two seats  
Option: air conditioning and independent heating

### FUEL TANK

Steel, 300 l + 45 liters AD Blue

### DIMENSIONS

|                      |                          |
|----------------------|--------------------------|
| Wheelbase            | 2,150 + 2,560 + 1,450 mm |
| Width                | 2,500 mm                 |
| Track - front        | 1,942 mm                 |
| - rear               | 1,774 mm                 |
| Length               | 8,850 mm                 |
| Height               | 3,555 mm                 |
| Tipper body capacity | 18 m <sup>3</sup>        |

### WEIGHTS

|                                  |             |
|----------------------------------|-------------|
| Curb weight (with tipper body)   | 16,900 kg   |
| Payload                          | 33,100 kg   |
| GVW                              | 50,000 kg   |
| Front axle max. permissible load | 2x9,000 kg  |
| Rear axle max. permissible load  | 2x16,000 kg |

### ELECTRIC EQUIPMENT

|                           |               |
|---------------------------|---------------|
| Nominal voltage           | 24 V          |
| Battery                   | 2x12 V 180 Ah |
| Alternator                | 24 V/110 A    |
| FMS connector preparation |               |

### FEATURES

|  |          |
|--|----------|
| Top speed with a limiter               | 60 km/h  |
| Turning circle diameter (curb to curb) | 25±1,0 m |

### COLD WEATHER PACKAGE

Coldstart device up to minus 40°C. Pre-heated fuel filter with water separator. Heated body

### SAFETY OPTIONS

ROPS/FOPS behind the cab

1545

2150

2560

1450



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