

T 158-8P5RA3.411 4x4.2



FIREFIGHTING

4x4 FIRE TRUCK CHASSIS-CAB

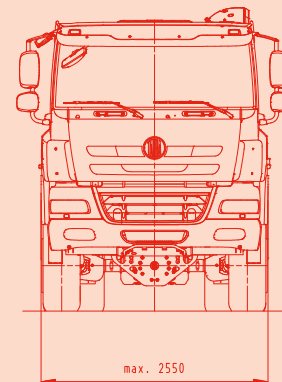
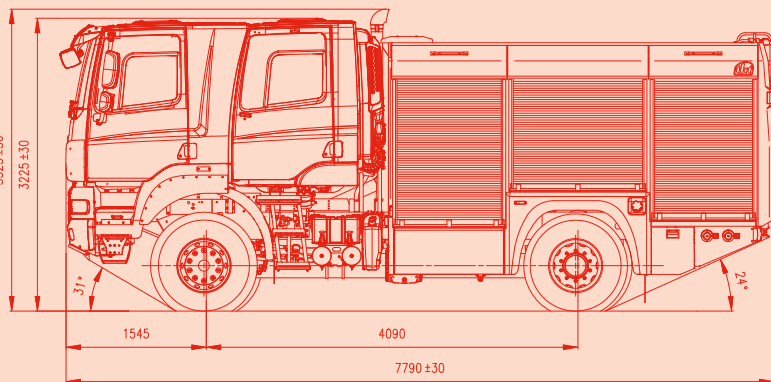
The combination of unique properties of TATRA chassis with a modern design of firefighting superstructures provides firefighters with a unique premium technology to do their job.

The "TATRA CONCEPT" together with a fording ability of 800 mm ensures serviceability both under standard conditions and in emergency situations. Excellent off-road mobility, high transport speed and driving comfort for both the crew and the carried superstructure are standard.

Fire superstructures are manufactured by the THT, s.r.o. company. They are made of aluminum sections which ensure the superstructures have low weight, high strength and corrosive resistance. The arrangement and variable installation of the firefighting equipment are designed individually according to the fire brigade's needs.

The heart of THT fire superstructures is a high-quality pump, together with a foam proportioning system, roof-mounted or bumper-mounted monitor, light mast, electric generator, cable winch, and other components necessary for good and effective intervention.

The THTronic - fire superstructure control system using CAN bus - is aimed at the most demanding of users. This system allows comfortable and safe operation, joining multiple operations into just only one. Further, it prevents conflicting and dangerous operations from being carried out. Also, it features central diagnostics and enables easy fault identification, which significantly extends the service life of the entire firefighting vehicle.



**EXCELLENT OFF-ROAD MOBILITY
QUICK OPERATION AND DRIVING COMFORT
STABILITY, RELIABILITY, SAFETY,
SERVICEABILITY EVEN
IN EMERGENCY SITUATIONS**

TATRA TAKES YOU FURTHER

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TATRA PHOENIX

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ENGINE

Type	PACCAR MX13, EURO V
No. of cylinders	6
Swept volume	12,900 cm ³
Net power	265 kW/1,500 - 1,900 rpm
Net torque	1,775 Nm/1,000 - 1,410 rpm
Exhaust fumes	SCR
Option:	
Net power	300 kW/2,000 Nm

TRANSMISSION

Type	synchronized ZF 16S2230
No. of forward gears	16
No. of reverse gears	2
Options:	
- transmission equipped with intarder (16S2531)	
- automated AS-Tronic (16AS2630) transmission	
- automated transmission equipped with AS-Tronic intarder (16AS2631)	

TRANSFER CASE

Type	ZF N221/10B (DIN 100); one-speed transfer case
Option:	Different gear ratio available (1.12 or 1.46), or a two-speed transfer case - 2.30 TRK, gear ratio of 0.9/1.4

PTOs

Type	ZF N221/10B (DIN 100)
Option:	Other types available on request.

FRONT AXLE

Steered, driven, swinging half-axles, engageable front drive, axle differential lock, air suspension with telescopic shock absorbers.

REAR AXLES

Driven, swinging half-axles, axle differential lock, air suspension with coil springs and telescopic shock absorbers, anti-roll bar.

STEERING

Left-hand, single-circuit, steering gear.

BRAKES

Four independent brake systems: service brake equipped with ABS and automatic load regulator, emergency brake, parking brake, engine brake.

TIRES, DISCS

Tires	315/80R22.5
Discs	22.5x9.00

CAB

COE, long, tilt-cab, HVAC unit, independent diesel heating.	
No. of seats	2 to 8

TANKS

Fuel tank:	220 l
AdBlue tank:	45 l

DIMENSIONS

Width	2,550 mm
Wheelbase	4,090 mm
Front/rear wheel track	2,044 mm/2,044 mm
Ground clearance under transfer case	315 mm
Ground clearance under axle	255 mm

WEIGHT

Payload	11,200 kg
GVW	20,000 kg

ELECTRIC EQUIPMENT

Circuit voltage	24 V
Battery	2x12V 180 Ah
Alternator	28 V/80 A

PERFORMANCE

Climbing ability at 20,000 kg	100 %
Top speed	100 km/h (with limiter)
Curb-to-curb turning diameter	16±1.0 m

WATER TENDER

The CAS 20 - T 158 4x4.2 water tender is designed to carry a fire crew (1+ 5 up to 7) and firefighting technology to extinguish fires with water or foam using low or high pressure.

TECHNICAL DATA

Length (without cable winch)	7,800 mm
Width	2,550 mm
Height	3,250 mm
Fording ability	800 mm
Curb weight	13,200 kg
GVW	18,000 kg
Water tank capacity	4,000 l
Foam tank capacity	260 l

PUMPING EQUIPMENT

Low-pressure	
Rated flow rate	3,000 lpm
Rated pressure	1.0 MPa
Rated suction lift	3 m
High-pressure	
Rated flow rate	250 lpm
Rated pressure	4.0 MPa

HOSE REEL

Hose dimensions/rated flow rate DN 25/60 m / 200 lpm
Branch pipe - gun-type, allowing to control flow rate and discharge cone.

OPTIONS

- Electronic foam proportioning control system
- THTronic control and checking system equipped with CAN bus and color multifunction display
- Monitor
- Bumper-mounted monitor
- Additional hose reel with DN 25/60m hose and a gun-type branch pipe
- Front nozzles for firefighting on the run
- Electric recovery cable winch
- Light mast
- Electric generator

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