

Terrah TS100 LU

Underground utility vehicle for high-volume fluid transport



Terrah Series

Safe and effective fluid transport

The Terrah TS100 LU offers efficient transportation of fuel and oils underground. Developed to provide machines with fuel and on-site oil top-ups, it features a stainless steel tank with a total capacity of 5 000 liters. The on-board dispensing system is equipped with flowmeters and dispensing nozzles, designed to enhance fluid management. Always prioritizing safety, the Terrah TS100 LU ensures safe transportation and clean handling of fluids and oils throughout your entire operation.

Built to deliver. Designed to adapt.

The Terrah Series of utility vehicles are designed to maximize modularity, productivity and safety in small to medium-sized underground mining and civil construction tunnels. Built on a legacy of reliable, durable products now enhanced with Epiroc technology, the Terrah Series supports customers throughout their operations.

The Terrah electronic controller offers efficient machine control and data logging from the intuitive multi-functional display

Rear facing camera for improved visibility

Barrier on top of the tank for enhanced safety

Fast and easy refill of material through top hatches

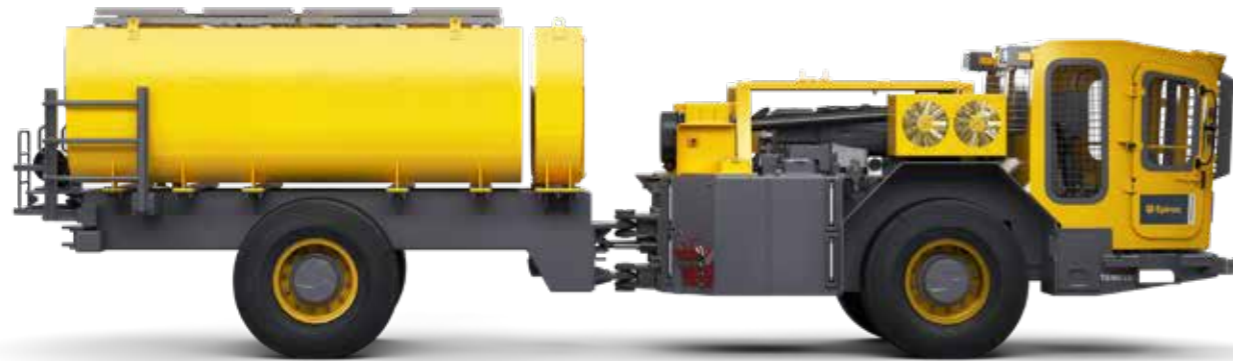


Air-conditioned, ISO FOPS- and ROPS-approved operator compartment, with door interlock for increased safety

Fleet monitoring and data solutions

Failsafe SAHR brakes on all wheels

Internal baffles for stable and secure operations



Engine

	Standard	Alternative 1	Alternative 2
Brand/model	Deutz TCD914 L6 Tier III	Deutz BF6L914 Tier II	Deutz TCD6.1 L6 Tier III
Power at sea level	129.2 kW @ 2300 rpm	104 kW @ 2300 rpm	150 kW @ 2300 rpm
Cooling	Air	Air	Liquid (glycol/water)
Engine control	Deutz EMRII	Deutz EMRII	Deutz EMRIII

Fuel

Fuel tank capacity	140 liters
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Exhaust system

Catalytic exhaust gas purifier	●
Fume diluter	●
Diesel Particulate Filter (DPF)	○

Transmission

Brand/model	Dana
Dana/20 000 series power shift transmission	●
Dana/32 000 series power shift transmission*	○

* Only with TCD6.1 L6 Engine

Axles

Brand/model	Dana/113
Differential: front open	●
Differential: front, no-spin	○
Differential: rear open	●

Brakes

Wetted fully enclosed immersed brake disks	●
Spring Applied Hydraulic Released (SAHR) fail safe brakes - park/emergency	●
Manually activated park/emergency brake valve	●
Foot pedal activated hydraulic service brake	●

Specifications

Capacities	
Tramming capacity	5 000 liter
Weight*	
Weight, empty	13 900 kg
Axle load front, loaded	8 295 kg
Axle load front, loaded	9 885 kg

*Weights are approximate and given with filled fluids and standard configurated vehicle

Tires

Tire size front and rear	12.00 x 20
Air filled tires	●
Polyurethane foam filled tires	○

Performance

Maximum speed on level ground*	
Gear 1	5 km/h
Gear 2	11 km/h
Gear 3	27 km/h

*For standard transmission

Electrical system

System voltage	24V
Alternator	80 Amps
Battery	2 x 110 Ah
Lockable double pole battery isolator switch	●
Engine starter isolation switch	○
Electric starter	●
Key switched ignition	●
Inlet plug for jump start	○
4 x front headlight LED	●
2 x rear drive lights LED	●
Directionally controlled drive lights	●
Amber rotating light	●
Reverse warning light and alarm	●
Brake lights	●
Orange turning direction indicator lights	●
Red and green marker lights	○

Control system

Terrah electronic controller	●
Robust water-resistant digital display	●
On-screen push button interface	●
Power Distribution Modules (PDM)	●
Electronic pressure sensors	●
Speedometer	●
Overspeed control	●
Decline speed control	●
Delayed engine shutdown	○
Inclinometer	●
Block out 3rd or 4th gear	○
Door Open Brake Applied (DOBA)	●
Neutral gear brake (NBA)	●
Collision Avoidance System Interface (CAS)	○
Seat belt switch interlock	○
Relay electrical switching*	○
Mechanical pressure gauges**	○
Mechanical control panel switches**	○

*Only available with air-cooled engine
**Only with relay switching

Digital products

Fleet monitoring with Fleet* on My Epiroc	●
Machine and fleet data via APIs	●

Hydraulic system

Gear pumps: brakes and steering	●
Auxiliary hydraulic Power Take-off (PTO): Gear pump	●
System pressure up to 310 Bar	●
11 µm return line filter	●

Safety system

3 x emergency stop buttons	●
2 x 9 kg handheld fire extinguishers	●
ANSUL manual dry fire suppression system	○
ANSUL FIRECHECK automatic dry fire suppression system	○

Main system

Steel fabrication construction	●
Bolt-on operating cabin	●
Front axle oscillation of 5° both sides	●
Integral hydraulic and fuel tanks	●
Centre articulated steering	●
Two double acting hydraulic steering cylinders (pull/push)	●
Steering lock bar	●
3-point of contact for boarding/exit	●
Front towing attachment with towing pin	●
Rear towing attachment with towing pin	●
Stainless steel tanks	●
Tank: 5 000 liter	●
Dispensing system with flowmeter	●
Central automatic lubrication system	●
Central manual lubrication system	○
Wiggins fast fuel and oil filling system	○
Wiggins central service points	○
2 x stop blocks (wheel chocks)	●

Operator's compartment

FOPS and ROPS certified	●
Two person (1 x driver and 1 x passenger)	●
Windows, front window washers and wipers	●
Temperature and fan speed adjustable air conditioner	●
Canopy (no windows or air conditioner)	○
Steel grid protection over windows	●
Steering wheel	●
Suspension and height adjustable operator's seat	●
Canvas seat covers	○
Driver and passenger seats fitted with 2-point seat belts	●
3-point retractable seat belts	○
External camera with a monitor, split screen	●

Technical documentation

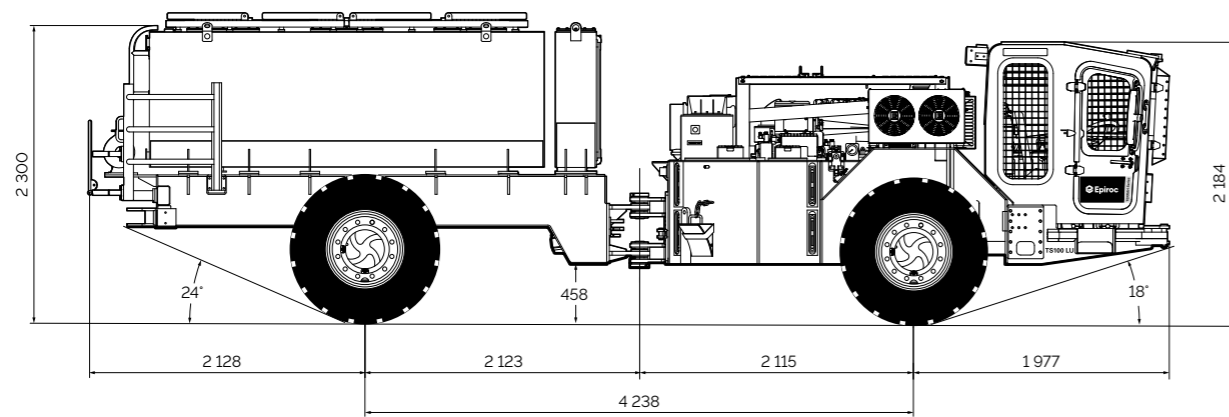
Instruction manual, one hardcopy	●
Spare parts manual, one hardcopy	●
PDF manuals on USB flash drive, two per machine	●

Painting and marking

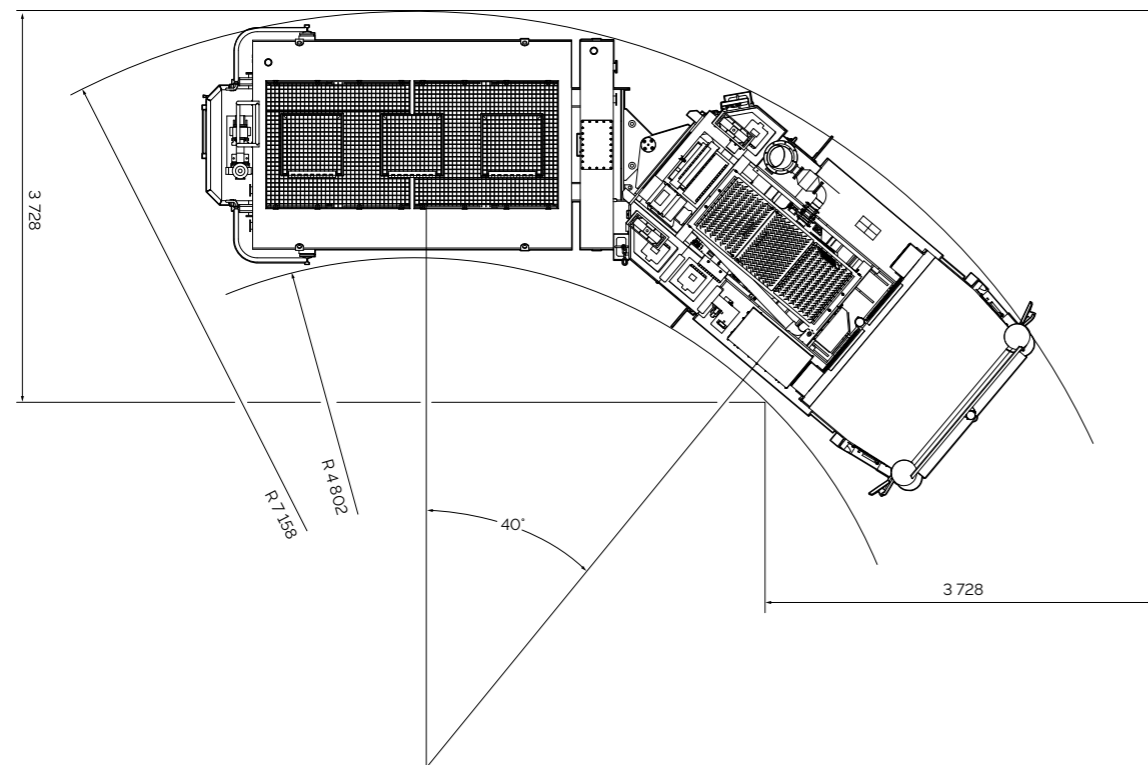
Standard painting and taping	●
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Measurements

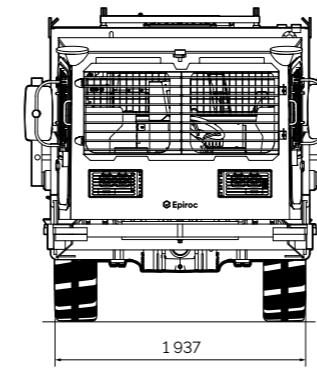
The dimensional drawings are shown in millimeters, and based on the standard vehicle configuration.



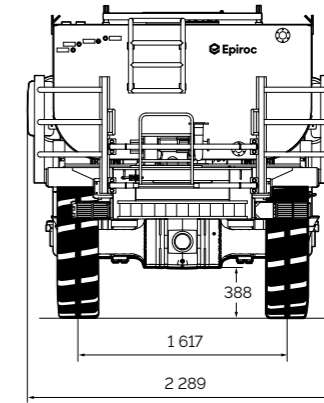
Left side view of Terrah TS100 LU



Turning radius of Terrah TS100 LU



Front view of Terrah TS100 LU



Rear view of Terrah TS100 LU

A comprehensive service offering

Even the best equipment needs to be serviced regularly to make sure it sustains peak performance. An Epiroc service solution offers peace of mind, maximizing availability and performance throughout the lifetime of your equipment. We focus on safety, productivity and reliability.

By combining genuine parts and an Epiroc service from our certified technicians, we safeguard your productivity - wherever you are.



United in performance. Inspired by innovation.

Performance unites us, innovation inspires us, and commitment drives us to keep moving forward. Count on Epiroc to deliver the solutions you need to succeed today and the technology to lead tomorrow.
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