

Terrah FC100 cassettes

Product catalogue



Terrah Series

Maximized utilization and flexibility

The Terrah TS100 FC flexible carrier and Terrah FC100 cassette solutions provide the flexibility and productivity needed underground. Designed for safe and efficient use, the single carrier supports a wide range of modular cassettes, allowing for seamless configuration to suit various tasks. Thanks to the flexible design, the cassette loading and unloading process is fast and smooth, enhancing your productivity. The robust cassette frame ensures excellent stability and reliable operation at standing height, improving operator ergonomics and safety.



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 FC100 cassette solutions include personal and material transports, water and concrete carriers, a scissor lift, and maintenance and lubrication units



Safely transporting operators

The Terrah FC100 PEC personnel cassette efficiently transports operators to various underground locations, ensuring streamlined workflows and improved logistics. Offered in two configurations, it accommodates 20 or 24 passengers, depending on your needs. Built with multiple safety features, including a FOPS/ROPS-approved compartment, suspension seats with 4-point seatbelts, and a signaling system for two-way communication, always prioritizing passenger safety.



Specifications

| Capacities | |
|-------------------|--------------------------------|
| Tramming capacity | 20 passengers 24 passengers |

| Weight* | |
|---------------|----------|
| Weight, empty | 4 229 kg |

*Weights are approximate and given with filled fluids and standard configured vehicle.

Electrical

| | |
|---|---|
| Voltage: 24V | ● |
| 2 x rear drive light LED | ● |
| Reverse warning light and alarm | ● |
| Brake lights | ● |
| Orange turning direction indicator lights | ● |
| Red and green marker lights | ○ |

Main frame

| | |
|---|---|
| Steel fabrication construction | ● |
| 3-points of contact for boarding/exit | ● |
| 20 passenger enclosed cabin with air-conditioning | ● |
| 24 passenger open canopy | ○ |

Painting and marking

| | |
|------------------------------|---|
| Standard painting and taping | ● |
|------------------------------|---|

Technical documentation

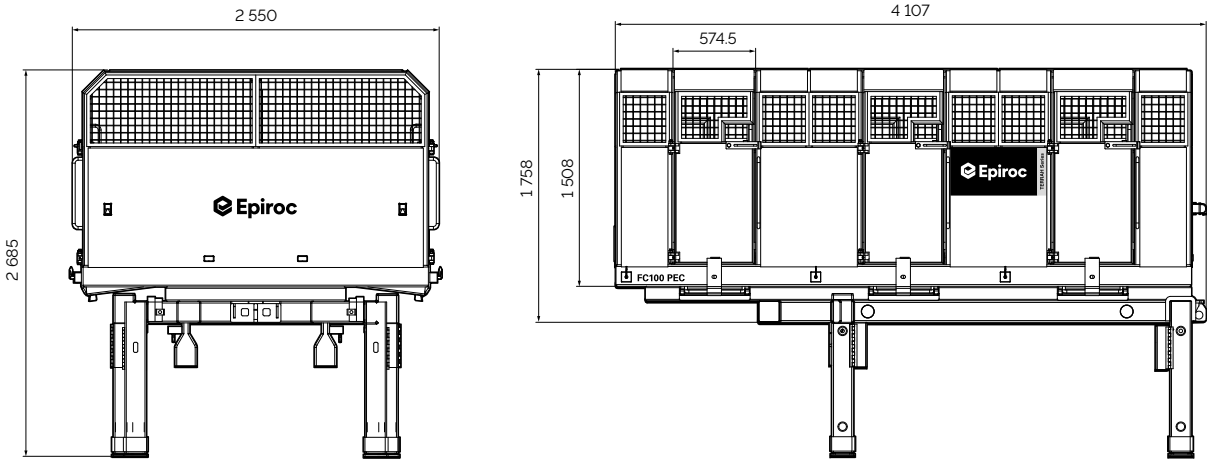
| | |
|---|---|
| Instruction manual, one hardcopy | ● |
| Spare parts manual, one hardcopy | ● |
| PDF manuals on USB flash drive, two per machine | ● |

Dimensions

| | |
|---------------------------------------|----------|
| Height | 2 685 mm |
| Height when loaded on Terrah TS100 FC | 3 018 mm |
| Width | 2 550 mm |
| Length | 4 107 mm |

Dimensional drawings

Illustrations show Terrah FC100 PEC front and side view



Mobile underground maintenance solution

The Terrah FC100 MA maintenance cassette ensures your fleet remains operational. By safely transporting diesel, oils, and the tools needed for routine service and repairs underground, it reduces the need to relocate machines from their working areas. Equipped with three stainless steel tanks with a total capacity of 3 000 liters for fluids and oils, dispensing nozzles, flowmeters, and an air compressor, the cassette facilitates safe and efficient on-site maintenance.



Specifications

| Capacities | |
|-------------------|-------------|
| Tramming capacity | 3 000 liter |

| Weight* | |
|---------------|----------|
| Weight, empty | 3 649 kg |

*Weights are approximate and given with filled fluids and standard configured vehicle.

Electrical

| | |
|---|---|
| Voltage: 24V | ● |
| 2 x rear drive light LED | ● |
| Reverse warning light and alarm | ● |
| Brake lights | ● |
| Orange turning direction indicator lights | ● |
| Red and green marker lights | ○ |

Main frame

| | |
|---------------------------------------|---|
| Steel fabrication construction | ● |
| 3-points of contact for boarding/exit | ● |
| Stainless steel tanks | ● |
| Diesel tank, 2 000 liter | ● |
| Hydraulic oil tank, 500 liter | ● |
| Engine oil tank, 500 liter | ● |
| Lubrication grease, 50 kg | ● |
| Ladder and guardrails | ● |

Hydraulic system

| | |
|--|---|
| Hydraulically powered dispensing pumps | ● |
| Five retractable hoses reels | ● |
| Dispensing nozzles and flowmeters | ● |

System

| | |
|---|---|
| Air compressor | ● |
| High pressure washer | ● |
| 1 x 9 kg handheld fire extinguishers | ● |
| ANSUL manual dry fire suppression system | ○ |
| ANSUL FIRECHECK automatic dry fire suppression system | ○ |

Painting and marking

| | |
|------------------------------|---|
| Standard painting and taping | ● |
|------------------------------|---|

Technical documentation

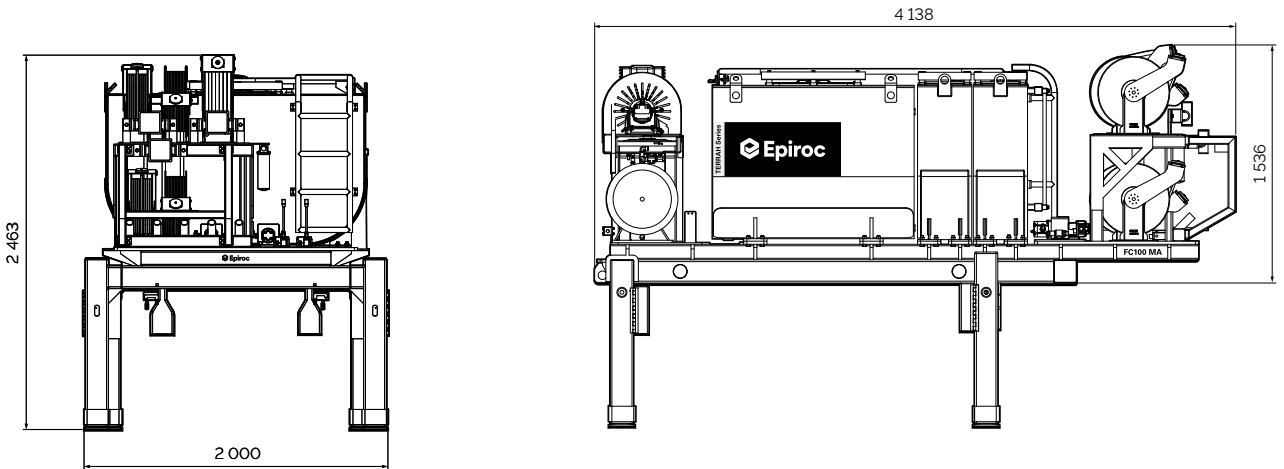
| | |
|---|---|
| Instruction manual, one hardcopy | ● |
| Spare parts manual, one hardcopy | ● |
| PDF manuals on USB flash drive, two per machine | ● |

Dimensions

| | |
|---------------------------------------|----------|
| Height | 2 463 mm |
| Height when loaded on Terrah TS100 FC | 2 795 mm |
| Width | 2 000 mm |
| Length | 4 138 mm |

Dimensional drawings

Illustrations show Terrah FC100 MA rear and side view



Reliable material transporter

Terrah FC100 FL is an underground general material cassette, developed for safe and effective transportation of heavy materials and equipment. The large loading platform has a carrying capacity of 8 tonnes and is easily accessed for loading materials through a tailgate and drop sides. With the multiple tie-down points, the loaded material can be secured on the platform, preventing it from moving during transport.



Specifications

| Capacities | |
|-------------------|----------|
| Tramming capacity | 8 000 kg |
| Weight | |
| Weight, empty | 1 674 kg |

Electrical

| | |
|---|---|
| Voltage: 24V | ● |
| 2 x rear LED drive lights | ● |
| Directionally controlled drive lights | ● |
| Reverse warning light and alarm | ● |
| Brake light | ● |
| Orange turning direction indicator lights | ● |
| Red and green marker lights | ○ |

Main frame

| | |
|--|---|
| Steel fabrication construction | ● |
| Flat deck with 500 mm sides and tailgate | ● |

Painting and marking

| | |
|------------------------------|---|
| Standard painting and taping | ● |
|------------------------------|---|

Technical documentation

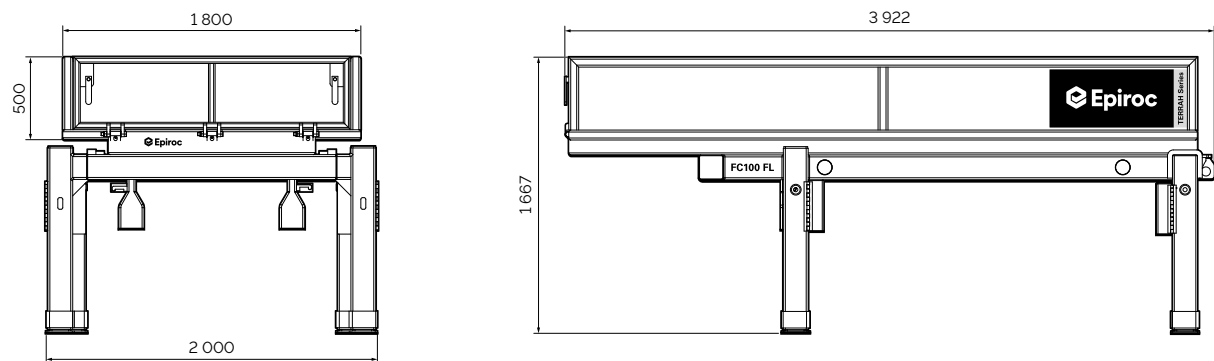
| | |
|---|---|
| Instruction manual, one hardcopy | ● |
| Spare parts manual, one hardcopy | ● |
| PDF manuals on USB flash drive, two per machine | ● |

Dimensions

| | |
|---------------------------------------|----------|
| Height | 1 667 mm |
| Height when loaded on Terrah TS100 FC | 1 999 mm |
| Width | 2 000 mm |
| Length | 3 922 mm |

Dimensional drawings

Illustrations show Terrah FC100 FL rear and side view



Elevating the performance

Terrah FC100 SCL is a scissor lift cassette designed for safe and efficient work at height. Combining the high lifting capacity of 3 tonnes with a maximum platform height of 3.5 meters, it offers high flexibility in underground operations. Its robust design and multiple safety systems such as an anti-crush system, ground-level emergency lowering, and scissor stop blocks to prevent unexpected platform movements, ensure a secure working area for operators.



Specifications

| Capacities | |
|-------------------|----------|
| Tramming capacity | 5 560 kg |
| Lifting capacity | 3 000 kg |
| Weight | |
| Weight, empty | 4 440 kg |

Electrical

| | |
|---|---|
| Voltage: 24V | ● |
| 2 x rear drive light LED | ● |
| Reverse warning light and alarm | ● |
| Brake lights | ● |
| Orange turning direction indicator lights | ● |
| Red and green marker lights | ○ |

Main frame

| | |
|---------------------------------------|---|
| Steel fabrication construction | ● |
| 3-points of contact for boarding/exit | ● |
| Basket side height, 1 000 mm | ● |
| Basket side height, 800 mm | ○ |

Hydraulic system

| | |
|--------------------------|---|
| Control valves in basket | ● |
| Deadman control | ● |

Painting and marking

| | |
|------------------------------|---|
| Standard painting and taping | ● |
|------------------------------|---|

Technical documentation

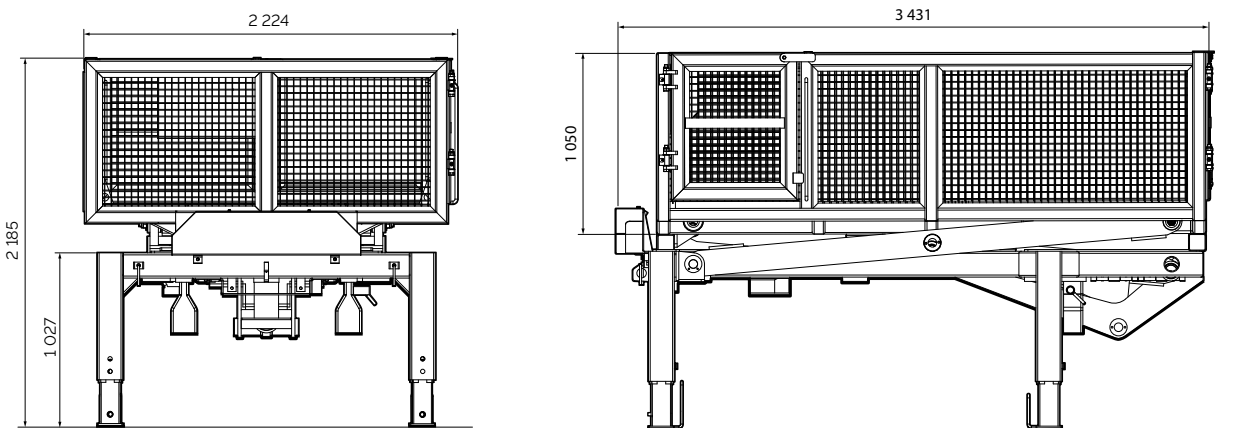
| | |
|---|---|
| Instruction manual, one hardcopy | ● |
| Spare parts manual, one hardcopy | ● |
| PDF manuals on USB flash drive, two per machine | ● |

Dimensions

| | |
|---------------------------------------|----------|
| Height | 2 185 mm |
| Height when loaded on Terrah TS100 FC | 2 586 mm |
| Width | 2 224 mm |
| Length | 3 431 mm |

Dimensional drawings

Illustrations show Terrah FC100 SCL front and side view.



Safe and effective fluid transport

The Terrah FC100 LU cassette efficiently transports oil and fuel underground, supporting underground machines with refueling and on-site oil top-up. Developed for the safe transportation and clean handling of fluids, featuring a stainless-steel tank with a total capacity of 5 000 liters. Thanks to a dispensing system equipped with flowmeters and nozzles, efficient fluid management is enabled.



Specifications

| Capacities | |
|-------------------|-------------|
| Tramming capacity | 5 000 liter |
| Weight* | |
| Weight, empty | 2 900 kg |

*Weights are approximate and given with filled fluids and standard configured vehicle.

Electrical

| | |
|---|---|
| Voltage, 24V | ● |
| 2 x rear drive light LED | ● |
| Reverse warning light and alarm | ● |
| Brake lights | ● |
| Orange turning direction indicator lights | ● |
| Red and green marker lights | ○ |

Main frame

| | |
|---------------------------------------|---|
| Steel fabrication construction | ● |
| 3-points of contact for boarding/exit | ● |
| Stainless steel tanks | ● |
| Diesel tank, 5 000 liter | ● |
| Ladder and guardrails | ● |

Hydraulic system

| | |
|--|---|
| Hydraulically powered dispensing pumps | ● |
| Five retractable hoses reels | ● |
| Dispensing system and flowmeters | ● |

System

| | |
|---|---|
| Air compressor | ● |
| High pressure washer | ● |
| 1 x 9 kg handheld fire extinguishers | ● |
| ANSUL manual dry fire suppression system | ○ |
| ANSUL FIRECHECK automatic dry fire suppression system | ○ |

Painting and marking

| | |
|------------------------------|---|
| Standard painting and taping | ● |
|------------------------------|---|

Technical documentation

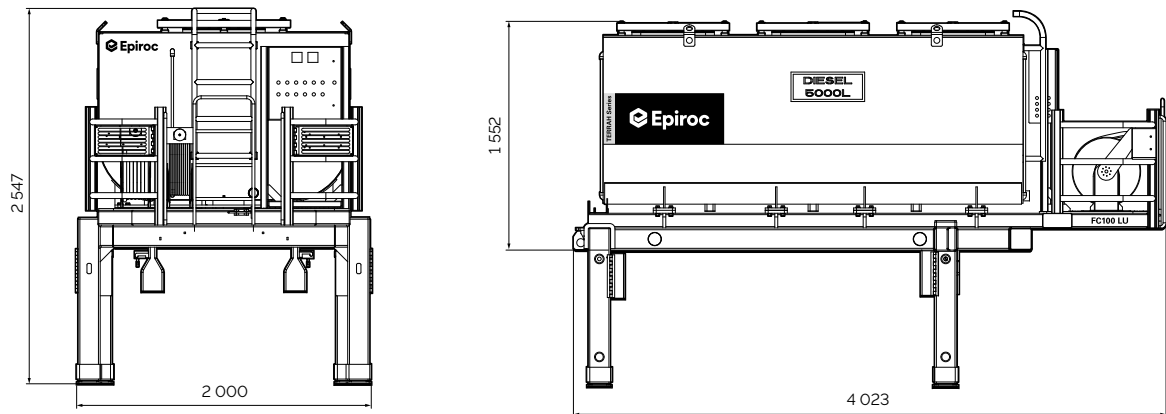
| | |
|---|---|
| Instruction manual, one hardcopy | ● |
| Spare parts manual, one hardcopy | ● |
| PDF manuals on USB flash drive, two per machine | ● |

Dimensions

| | |
|---------------------------------------|----------|
| Height | 2 547 mm |
| Height when loaded on Terrah TS100 FC | 2 809 mm |
| Width | 2 000 mm |
| Length | 4 023 mm |

Dimensional drawings

Illustrations show Terrah FC100 LU rear and side view



Efficient concrete transport

The Terrah FC100 TR transmixer cassette supports your concrete construction and shotcrete operations with efficient concrete mixing and transportation. Featuring a 3m³ capacity rotating drum equipped with a robust internal auger to ensure consistent concrete mixing. The hydraulic controls for drum rotation and the rear hatch are ergonomically positioned, keeping the operator safe during concrete discharge.



Specifications

| Capacities | |
|-------------------|----------|
| Tramming capacity | 3 m³ |
| Weight | |
| Weight, empty | 2 374 kg |

Electrical

| | |
|---|---|
| Voltage, 24V | ● |
| 2 x rear LED drive lights | ● |
| Directionally controlled drive lights | ● |
| Amber rotating light | ● |
| Reverse warning light and alarm | ● |
| Brake light | ● |
| Orange turning direction indicator lights | ● |
| Red and green marker lights | ○ |

Main frame

| | |
|--|---|
| Steel fabrication construction | ● |
| 3 m³ drum | ● |
| Hydraulically controlled drum rotation | ● |
| Hydraulically actuated rear hatch | ● |

Painting and marking

| | |
|------------------------------|---|
| Standard painting and taping | ● |
|------------------------------|---|

Technical documentation

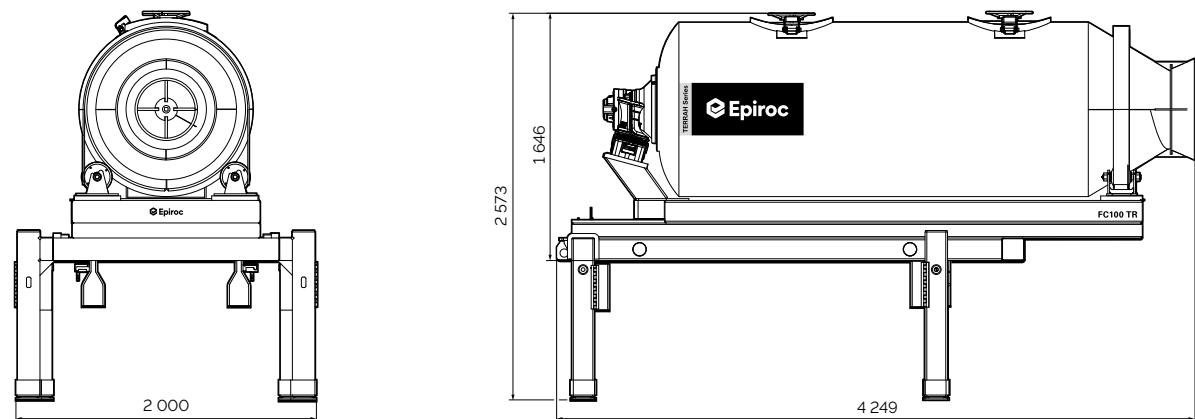
| | |
|---|---|
| Instruction manual, one hardcopy | ● |
| Spare parts manual, one hardcopy | ● |
| PDF manuals on USB flash drive, two per machine | ● |

Dimensions

| | |
|---------------------------------------|----------|
| Height | 2 573 mm |
| Height when loaded on Terrah TS100 FC | 2 904 mm |
| Width | 2 000 mm |
| Length | 4 249 mm |

Dimensional drawings

Illustrations show Terrah FC100 TR rear and side view



Ensuring a healthier operating environment

The Terrah FC100 WAC water cassette features a 5 000 liter stainless steel tank, a reliable water pump system, and an efficient water mist spraying system. Developed for large-scale water transport and dust control, it enables improved air quality in dust-prone environments and ensures clearer roads and work areas. Operators enjoy safe and easy access to refilling points and spraying functions.



Specifications

| Capacities | |
|-------------------|-------------|
| Tramming capacity | 5 000 liter |
| Weight | |
| Weight, empty | 2 429 kg |

*Weights are approximate and given with filled fluids and standard configured vehicle.

Electrical

| | |
|---|---|
| Voltage: 24V | ● |
| 2 x rear drive light LED | ● |
| Reverse warning light and alarm | ● |
| Brake lights | ● |
| Orange turning direction indicator lights | ● |
| Red and green marker lights | ○ |

Main frame

| | |
|---------------------------------------|---|
| Steel fabrication construction | ● |
| 3-points of contact for boarding/exit | ● |
| Stainless steel tanks | ● |
| Water tank, 5 000 liter | ● |
| Ladder and guardrails | ● |

Hydraulic system

| | |
|--|---|
| Hydraulically powered dispensing pumps | ○ |
| Spraying nozzles | ○ |

Painting and marking

| | |
|------------------------------|---|
| Standard painting and taping | ● |
|------------------------------|---|

Technical documentation

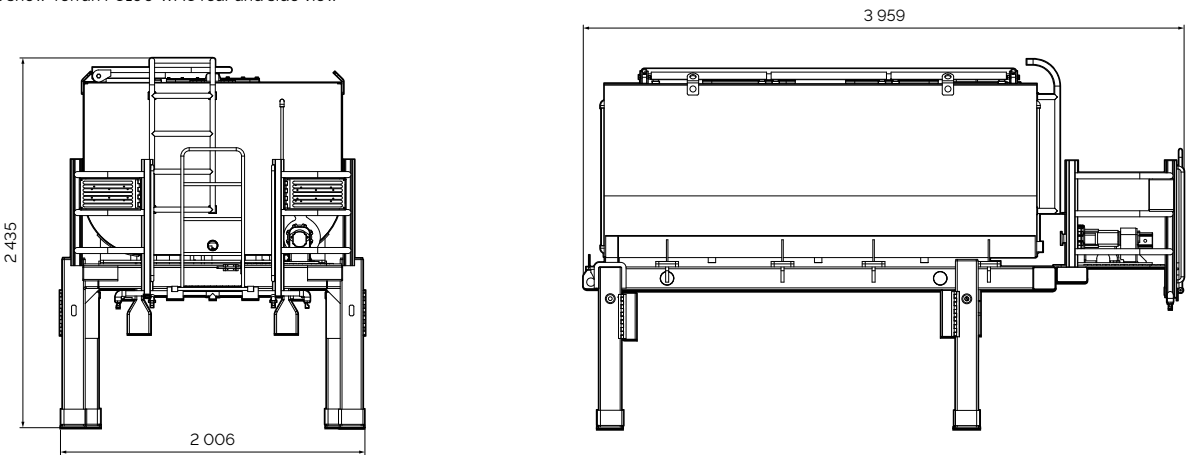
| | |
|---|---|
| Instruction manual, one hardcopy | ● |
| Spare parts manual, one hardcopy | ● |
| PDF manuals on USB flash drive, two per machine | ● |

Dimensions

| | |
|---------------------------------------|----------|
| Height | 2 435 mm |
| Height when loaded on Terrah TS100 FC | 2 805 mm |
| Width | 2 006 mm |
| Length | 3 959 mm |

Dimensional drawings

Illustrations show Terrah FC100 WAC rear and side view



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 |

Transmission

| | |
|---|------|
| Brand | Dana |
| Model: 20000 series power shift transmission | ● |
| Model: 32000 series power shift transmission* | ○ |

*Only with TCD6.1 L6 engine

Performance

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

*For standard transmission

Axles

| | |
|-------------|----------|
| Brand/model | Dana/113 |
|-------------|----------|

Dimensions

| | |
|----------------------|----------|
| Height | 2 200 mm |
| Width | 2 080 mm |
| Length | 6 942 mm |
| Inner turning radius | 4 331 mm |
| Outer turning radius | 6 477 mm |

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.
epiroc.com

