

Minetruck MT2200

Articulated underground truck with 22-tonne load capacity



Productive and reliable operations

Minetruck MT2200 is a high-capacity truck built for fast, efficient underground haulage. The Minetruck MT2200 shares many impressive features with its popular predecessor, the Minetruck MT2010, yet expertly manages even heavier loads of up to 22 tonnes. Built-in advantages include high speeds on inclines and other attributes that make the truck reliably safe and easy to maneuver and maintain.

+ Main benefits

Safety first when the Minetruck MT2200 includes a rear-view camera, SAHR brakes, automatic locks, alert lights and other vital protection features to ensure workers safety

Greater productivity while transporting heavy 22-tonne loads, the Minetruck MT2200 also manages high speeds up the ramp to maximize production capacity

Reliable performance as the design of the Minetruck MT2200 has been perfected through years of work experience and as it shares many features with its predecessor Minetruck MT2010



The optional cabin provides comfort to the operator with low noise level, air conditioner, spring suspended seat, information available in the display and controls within easy reach.



The powerful, dependable powertrain in the MT2200 enables quick, efficient haulage up the ramp.



The optional Teletram dump box releases material horizontally, making it the ideal choice for low ceilings.

ISO FOPS / ROPS certified cabin with air condition system* and cyclone filter or side seated canopy

Emergency stop

22-tonne dump box in high strength steel, tailgate configuration optional

Powerful engine compression brake

Articulation-, and raised dump box safety look

Rear view camera

SAHR brakes at all wheel ends

Minetruck MT2200 is designed to ramp up productivity

Minetruck MT2200 is an articulated truck designed to quickly haul heavy loads through narrow underground tunnels and up inclines to up your operation's efficiency and productivity. Robust components ensure reliability, while smart features ensure easy maintenance and superior safety and comfort for the operator and other mine workers.



+ Safety as standard

Minetruck MT2200 comes with vital safety standards that include strategically located emergency shutdown controls, a rear-view camera, position safety locks and status alert lights. In addition, the automatic brake function activates when the cabin door opens.



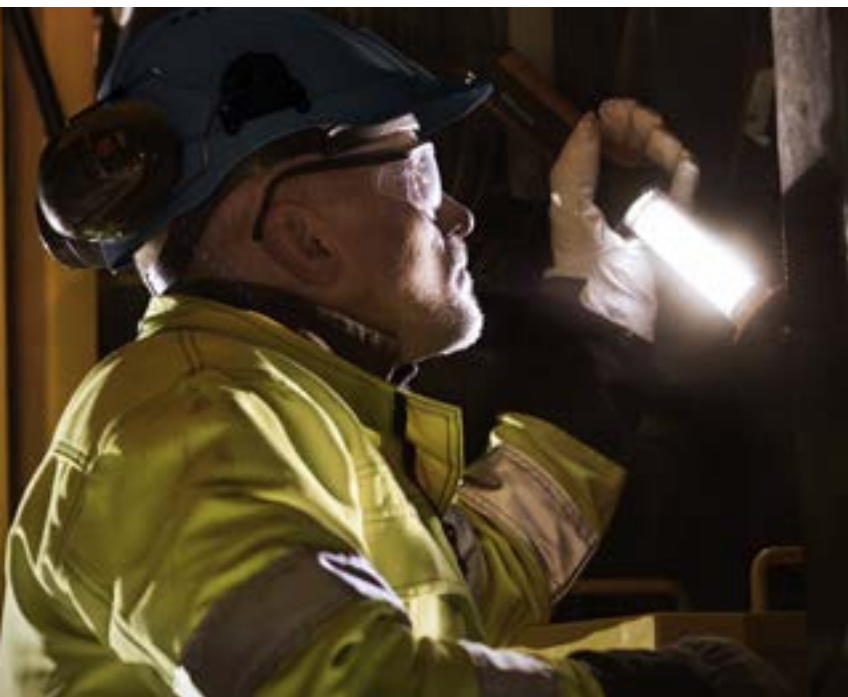
+ Service and maintenance made easy

Primary service points on the Minetruck MT2200 are easily accessible to make daily inspections and regular checks quick and hassle-free. Trunnion caps on hydraulic cylinders, a centrally located electrical cabinet in stainless steel, sturdy handles, anti-skid surfaces and other features are designed for greater uptime and productivity.



+ Operator comfort and ergonomics

The cabin keeps the operator safe and comfortable by minimizing noise levels and maintaining air quality and temperature to minimize worker fatigue, an important factor to consider when it comes to both safety and productivity. The touch-screen colour panel has a user-friendly design with clearly illuminated buttons to make supervision and safe operation easy.



A comprehensive service offering

Even the best equipment needs to be service 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.

Technical specifications

Features

Safety

- ISO ROPS/FOPS certified operator compartment with three-point entry and exit
- Spring applied, hydraulic release (SAHR) brakes for reliable breaking
- Dump box service stand and articulation lock
- Strategic located emergency stops
- Rear-view camera and monitor for driver assistance and maximum safety

Operators compartment

- Side-seated canopy with back protection
- Optional front-seated cabin with air conditioning

Sustainability

- Engine exhaust brake to further extend brake life
- Engine overspeed protection
- Converter lockup for more efficient energy transfer and longer component life
- Robust power train components for lower maintenance cost
- Long-life roller bearings at centre hinge

Productivity

- High power-to-weight ration to enable greater speeds on inclines
- Box optimized for quick and clean dumping

Serviceability

- Easy maintenance with centrally located service point
- Anti-skid materials at service access points

Specifications

| Capacity | |
|--|-----------|
| Tramming capacity | 22 000 kg |
| Motion times | |
| Dumping | 14 sek |
| *Weights (standard equipped vehicle empty weight) | |
| Approximate weight | 20 500 kg |
| Front axle load | 13 800 kg |
| Rear axle load | 6 700 kg |
| * Weights are approximate and given with filled fluids and standard configurated vehicle (e.g. standard equipped, 2.2 t/m3 dump box) | |

● - Standard ○ - Option

Engine

| | Standard |
|---------------------------------|---------------------------|
| Brand/model | Cummins QSL9 EPA Tier 3 |
| Power rating | 242 kW / 325 hp 2 100 rpm |
| Maximum torque | 1 424 Nm@ 1 560 rpm |
| MSHA part 7 ventilation rate * | 325.6 m³/min |
| MSHA part 7 particulate index** | 269 m³/min |

*MSHA - Mine Safety and Health Administration, USA. Ventilation rate - quantity of additional ventilation air required to dilute raw exhaust emission to a respective level per engine.

**Particulate index - Calculated air flow for minimum diesel particulate matter (DPM) dilution to a safe level engine.

Fuel

| | |
|--|---|
| Fuel tank capacity: 379 litres | ● |
| Fuel filtration, primary, including water trap: 7 µm | ● |
| Fuel filtration: secondary: 3 µm | ● |

Axels

| | |
|--|---|
| Brand/model: Okubo Rock Tough 457 | ● |
| Degree of front axle oscillation: 20° (10° on each side) | ● |
| Differentials: front and rear open | ● |

Brakes

| | |
|--|---|
| Fully enclosed, force cooled, multiple wet discs at each wheel end | ● |
| Service/parking/emergency brakes SAHR | ● |
| NBA (neutral brake apply) after 4 sec | ● |

Tires*

| | |
|--|---|
| Tubeless design for underground mine service | ● |
| Tire size front and rear 18.00R25 (treaded) | ● |

*As applications and conditions vary; Epiroc recommends that the user consults with tire suppliers to obtain the optimum tire selection

Electrical system

| | |
|--|---|
| System voltage: start and accessories 24 V | ● |
| Mine duty high output alternator, 140 Amps | ● |
| Isolation switch lockout | ● |
| 24/12 V converter 5 V USB | ● |
| Driving lights LED 8x40 W | ● |
| 3x sidelights | ○ |
| Tail and brake lights | ● |
| Detactable service light (required for CE certified vechicles) | ○ |
| Amber strobe light - ignition on | ○ |
| Box-up indicator | ○ |
| Jump start | ○ |
| Positions and turn lights, front and rear | ○ |
| Emergency stop | ● |
| Heated mirror | ● |

Technical specifications

● = Standard ○ = Option

Operator's compartment

| | |
|---|---|
| External sound level according to ISO 6395 LwA 122 dB (A) | ● |
| Whole body vibration value according to EN 14253 A(8) w in range of 0.5 to 2 m/s ² | ● |
| Sound level in canopy according to ISO 6396 LpA 108 dB(A) | ● |
| Sound level in cabin according to ISO 6396 LpA 85 dB(A) | ● |
| Canopy - standard | |
| Side seated canopy for bi-directional operation with stick steering (ISO ROPS/FOPS) | ● |
| Side seated low built canopy for bi-directional operation with stick steering (ISO ROPS/FOPS) | ○ |
| Spring suspended seat, with 2 point retractable seat belt | ● |
| Heater | ○ |
| Cabin - optional | |
| Forward seated cabin with steering wheel (ISO ROPS/FOPS) | ● |
| Air condition system and pressurizer | ● |
| Cyclone filter | ○ |
| Sliding window on door | ● |
| Spring suspended seat, with 2 point retractable seat belt | ● |
| DOBA (door open brake apply) | ○ |
| Heater | ○ |
| Media player | ○ |

Hydraulic system

| | |
|---|---|
| Heavy duty gear tire pumps | ● |
| System pressure: 15.5 MPa | ● |
| Hydraulic tank capacity 223 litres | ● |
| Filtration | ● |
| Electric pump for hydraulic tank fill, 24 V | ○ |
| Steering cylinder Cr plated (2), 115 mm | ● |
| Steering cylinder Ni-Cr plated (2), 115 mm | ○ |
| Dump cylinders Cr plated (2), 140 mm | ● |

Transmission

| | |
|--|---|
| Full power shift, 4 speed forward/reverse | ● |
| Brand/model: Dana 6 000 series | ● |
| Converter: single stage with automatic lock-up | ● |

Control system

| | |
|--|---|
| Rear camera | ● |
| Audio-visual reverse alarm | ● |
| Speedometer | ● |
| Blockout 3rd and/or 4th gears | ○ |
| Joystick controls for steering and dump control for side seated bi directional operation | ● |
| Certiq telematics solution professional ¹ | ○ |
| ¹ Certain country restriction may exist | |

System

| | |
|--|-----------------------|
| Wiggins fast fuel fill | <input type="radio"/> |
| Wiggins fast hydraulic oil fill | <input type="radio"/> |
| Hand held fire extinguisher | <input type="radio"/> |
| Ansul manually activated fire suppression system with engine shut down | <input type="radio"/> |
| Ansul checkfire automatically activated fire suppression system | <input type="radio"/> |
| Emergency steering | <input type="radio"/> |

Main frame

| | |
|--|---|
| Lock on articulation and raised dump box | ● |
| Optional box sizes and tailgate configuration | ○ |
| Teletram dump box* | ○ |
| Wheel chocks and brackets | ○ |
| Central manual lubrication system | ● |
| Central automatic lubrication system | ○ |
| *Teletram dump box changes dumping method and vehicle dimensions (consult with your local customer center) | |

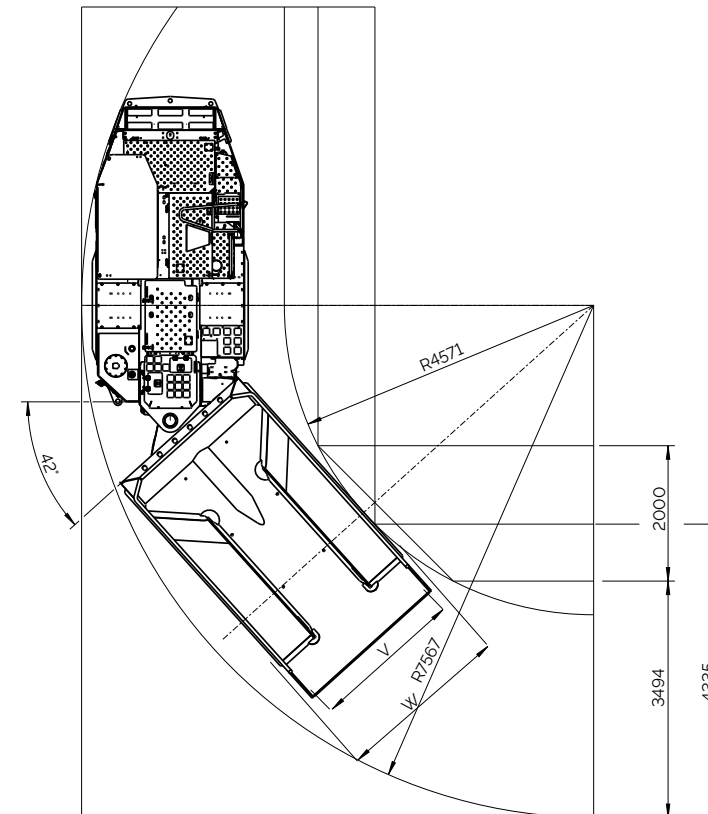
Power unit

| | |
|------------------------------|-----------------------|
| Arctic oil | <input type="radio"/> |
| Block heater (240 and 120 V) | <input type="radio"/> |
| Corrosion resistant radiator | <input type="radio"/> |

Parts and service solutions

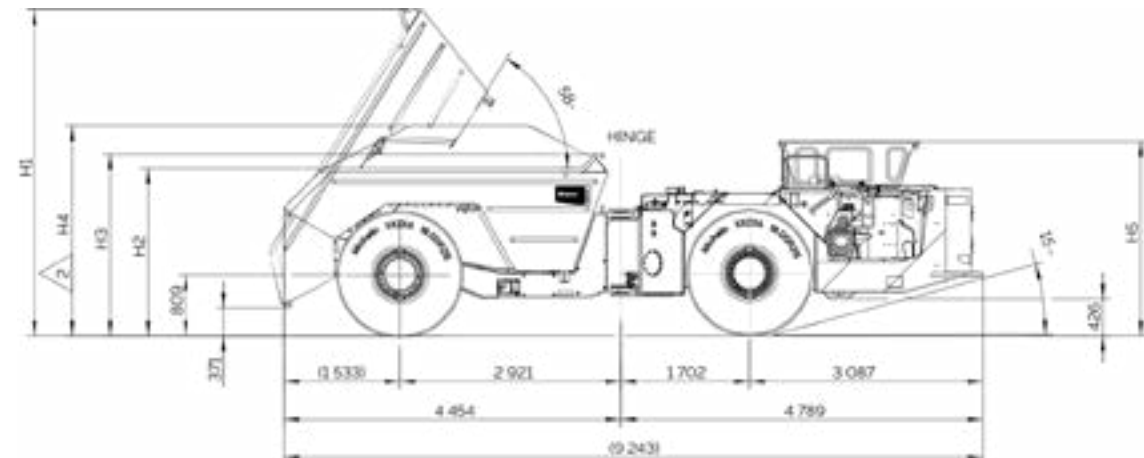
| | |
|-----------------------------|-----------------------|
| Preventive maintenance kits | <input type="radio"/> |
| Parts & Repair kits | <input type="radio"/> |
| Upgrade kits | <input type="radio"/> |
| Midlife kits | <input type="radio"/> |
| Face mechanics tool set | <input type="radio"/> |
| Shop mechanics tool set | <input type="radio"/> |

Turning radius



- All dimension are shown in millimeters
- All dimensions shown are based on standard vehicle configuration with tire deflection, unloaded

Side view



Grade performance

| Standard configuration box empty | | | | | | | | | | | | |
|-----------------------------------|-----------|------|------|------|------|------|------|------|------|------|------|------|
| % | 1 st gear | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| km/h | 1st gear | 5.2 | 5.2 | 5.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 |
| | 2nd gear | 9.3 | 9.3 | 9.2 | 9.2 | 9.2 | 9.1 | 9.1 | 9.1 | 9.0 | 9.0 | 9.0 |
| | 3rd gear | 16.3 | 16.2 | 16.1 | | 15.9 | 15.8 | 15.7 | 15.6 | 15.3 | 14.8 | 13.7 |
| | 4th gear | 29.0 | 28.6 | 28.3 | 28.0 | 27.1 | 24.0 | | | | | |
| Standard configuration box loaded | | | | | | | | | | | | |
| km/h | 1st gear | 5.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| | 2nd gear | 9.2 | 9.2 | 9.1 | 9.0 | 9.0 | 8.9 | 8.9 | 8.6 | 8.2 | 7.2 | |
| | 3rd gear | 16.1 | 15.9 | 15.7 | 15.5 | 14.3 | | | | | | |
| | 4th gear | 28.2 | 27.8 | 20.0 | | | | | | | | |

[illegible]

*Teletram dump box has a different functionality, reduced capacity, different dimensions affecting turning radius etc, more sizes can be available, please consult Epiroc for more information.



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