Mining Truck

T 264

- **Nominal Payload**: 240 tonnes / 265 tons
- **Gross Vehicle Weight (GVW)**: 416 tonnes / 459 tons
- **Engine Power**: 2,013 kW / 2,700 HP
Nominal Payload
240 tonnes / 265 tons

Gross Vehicle Weight (GVW)
416 tonnes / 459 tons

Engine Power
2,013 kW / 2,700 HP
Intelligent design allows the Liebherr range of haul trucks to move more tonnes per hour by maximizing payload and minimizing cycle times.
Performance
The T 264 offers consistent performance by combining the efficient Litronic Plus AC drive system with a high power diesel engine, yielding higher speeds on grade. With the advanced hydraulic design and fast cycle times, the T 264 moves more material in less time.

Drivability
Liebherr is committed to designing mining trucks that operators want to drive. The ergonomic T 264 cab and superior properties of the front suspension system fulfills this commitment, promoting driver efficiency with superior comfort, safety, acceleration and handling.

Flexibility
Meet productivity targets while minimizing fuel consumption, with the flexible, application-specific engine recommendations by Liebherr. Select from multiple engine options with power ratings up to 2,013 kW / 2,700 HP to make the most of any mine.

Enhanced Performance

**Class Leading Payload Capacity**
- True 240 tonnes / 265 tons payload capability
- Highly compatible and efficient pass match with various loading tools

**High Speed on Grade**
- High horsepower engine for enhanced performance and productivity
- The Litronic Plus Drive system utilizes maximum available engine power to deliver smooth acceleration and consistent speed on grade resulting in less load spillage
- Maximize speed on grade with stepless torque curve

**High Horsepower Engine**
- Cummins QSK 60 – 2,013 kW / 2,700 hp
- Exceptional combustion efficiency with the high-pressure Modular Common-Rail Fuel System (MCRS)
- ELIMINATOR™ self-cleaning filtration system combines full-flow and bypass filters to remove particles as small as 2 microns
- MTU 16V4000 Tier 4 engine option – 2,013 kW / 2,700 hp

Optimal Truck Shovel Match
This ultra-class truck is capable of hauling 240 tonnes / 265 tons, and is well-matched with a variety of hydraulic excavators, wheel loaders, and rope shovels. Pairing the T 264 with either the R 9400, R 996 B or R 9800 hydraulic excavator offers a highly compatible and productive combination.

<table>
<thead>
<tr>
<th>Mining Excavator</th>
<th>R 9400</th>
<th>R 996 B</th>
<th>R 9800</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of passes</td>
<td>6</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

*for 1.8 t/m³ material density
Efficiency is a key ingredient for a successful mining operation. Liebherr mining equipment enables customers to enjoy unrivaled performance while reducing cost per tonne.
Reducing Cost Per Tonne

**Hydraulic System Innovation**
Variable hydraulic systems within the T 264 lowers machine parasitic losses, providing maximum power to ground while lowering fuel consumption when power is not required.

**Optimal Energy Transformation**
Convert electrical power into mechanical torque efficiently with the T 264’s Litronic Plus Drive system. Fewer electrical losses translate into higher rim pull forces for faster cycle times and increased fuel economy.

**Intelligent Power Usage**
Engine power usage is optimized by running auxiliary components such as pumps, fans and motors only when needed. Fuel is conserved when the engine is idling and more power is available to accelerate and climb grades when required.

Easy Component Access
Reduce maintenance time with ground-level service points and strategically located sight glasses. Easy access for servicing means less time spent in the workshop and more time spent in operation.

Long-Lasting Components
Liebherr components are designed and built to perform for extended periods of time, which is why the T 264 mining truck runs longer between component overhauls, saving time and money.

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**Litronic Plus AC Drive System**
- Designed, developed, and built by Liebherr
- Maximized electrical power conversion into mechanical torque
- Increased speed and minimized energy consumption

**Efficient Power Train**
- Engage auxiliary components on-demand for reduction in power consumption
- Fewer electrical parasitic losses during propel translates into higher rim pull forces for faster cycle times and increased fuel economy
- Vertically integrated components offer optimum system and fuel efficiency with maximum performance

**Excellent Serviceability**
- Easy access to check wear components
- Ground-level central service station
- Ground-accessible hydraulic filters and manifolds
- Sight glasses on major components
Reliability

Ready to Work
When You Need It

Liebherr draws upon a wealth of experience while incorporating new technologies into products to provide customers with high quality equipment and services.
Quality: the Liebherr Value

Component Integration
Liebherr’s solid reputation as a quality Original Equipment Manufacturer (OEM) stems from consistent development and production of high-quality strategic mining components. The robust T 264’s mining-optimized components are developed, manufactured, and controlled by Liebherr, ensuring top performance and reliability for the entire machine.

Advanced Engineering
Liebherr’s structural design process includes various techniques and cutting-edge software tools to ensure that the T 264 will perform reliably, even under the most demanding conditions:
• Multi-body Dynamic Simulations
• 3D Modeling
• Finite Element Analysis (FEA)
• Structural Fatigue Life Prediction Software

Special Environment Packages
Liebherr offers an array of specific solutions for customers working in extreme environments. These packages guarantee that the T 264 will be fit for any working conditions.

Live Monitoring and Diagnostics
Liebherr’s Mining Data (LMD) portal monitors, records, and downloads vital truck health and performance data. This advanced system allows detailed analysis of such insights, along with predictive maintenance strategies to minimize unscheduled downtime.

This data is readily available to fleet dispatch or monitoring systems through a dedicated portal, allowing customers the flexibility to choose systems which support their unique requirements for maintenance, operations, and business processes.

Strict Quality Management
Liebherr monitors quality at every stage of production, beginning with machine design and simulations, to ensure that each product meets the highest standards of steel casting materials. Based on the expertise of certified internal auditors and a highly qualified workforce, all manufacturing process steps meet the most comprehensive control, monitoring, and traceability requirements. Liebherr Mining Equipment Newport News Co. is ISO 9001 certified.

Structurally Built to Last
• Durable, lightweight frame with class leading payload capability
• Designed according to international weld fatigue guidelines
• Fabricated according to American Welding Society standards
• Strategically located cast components and hollow box rails with fully welded internal stiffeners

Solid State AC Drive System
• Liquid-cooled for reduced footprint and maintaining optimum component temperatures
• Maximum reliability and reduced maintenance requirements with IGBT frequency converters and electronic switching
• Complete drive system designed and manufactured by Liebherr for use in the most demanding conditions

Engineered for Reliability
• CAN Bus technology to minimize wire complexity and enhance diagnostic capabilities
• Robust hydraulic hoses and piping
• Electrical harnesses separated from other piping and systems
World-Class Support, Everywhere, Every Day

As a global mining solutions provider, Liebherr is more than a mining equipment manufacturer. Ensuring a permanent dialogue with each machine owner, Liebherr provides tailored assistance to customer specific project and site requirements.
Customer Support

International Service Organization
Liebherr Service Support has always been an important focus for the company. Complete service during all operating phases from machinery installation to problem solving, spare parts inventory, and technical service. Our service team is close to our customers, delivering the best specific maintenance solution to reduce both equipment downtime and repair costs.

Complete Training Programs
The Liebherr Mining Training System provides blended training sessions for operator and maintenance staff to encourage productive, cost-effective and safe mining operation. The Liebherr Mining Training System employs online learning programs, factory and on-site sessions, and simulator training.

Remanufacturing

Reduced Costs and Investments
Over the course of a mining machine’s lifetime, major components must be replaced to ensure continued safety, productivity and reliability. The Liebherr Mining Remanufacturing Program offers an OEM alternative to purchasing brand new replacement components. Enabling customers to achieve lowest possible equipment life-cycle costs without compromising quality, performance or reliability.

Performance
Using genuine Liebherr components ensures the best interaction within your machine, encouraging optimal performance and most effective machine operation. For all major components, Liebherr relies on its Liebherr Maintenance Management System to follow and monitor service life while predicting maintenance activities.

Partnership
Liebherr regularly reviews requirements for parts and components for individual machines, based on operating hours, consumption and planned maintenance, resulting in minimised down time for customers. With access to the global stock via all Liebherr Mining warehouses, you will improve productivity by having the part you need, when you need it.

Genuine Parts

Local Availability
With an international service network and component facilities world-wide, component repair services and exchange components are available to customers regardless of their location.

Advanced Training Capabilities
• The Liebherr Mining Training System provides operators and field service technicians with world-class training
• Simulator-based operator training
• Basic and advanced service technician training
• Hands-on troubleshooting training

Extended Component Life
• Liebherr designed Service Exchange Units enable customers to minimize the total life-cycle cost of owning and operating a Liebherr mining truck or excavator
• Maintains optimal productivity and reliability
• All exchange components are built to OEM standards, offering as-new warranties

Service Excellence Program
• Highest standards of service, personnel and processes with continuous learning based on vast know-how of Liebherr’s global organization
• Applied to Customer Support, Parts and Repair & Reman Program
• Defined by an international team from factories and affiliates
• Regular certification of status, progress and improvements
Liebherr designs and builds safety into every piece of mining equipment, and is committed to providing a safe and healthy working environment for the operator and service personnel.
Operator Safety
The ergonomic design of the T 264 cab creates a safe, comfortable, and productive environment for operators. The cab provides maximum visibility utilizing tinted safety glass windows and is certified for roll-over and falling-object protection. The integrated HVAC system provides comfort in all temperature extremes. All Liebherr trucks offer at least two safety routes from the cab to the ground.

Stability and Control
The innovative advanced Traction Control System improves steering and truck stability, and extends tire life even in the most challenging conditions.

Operational Safety
A safe working environment is critical for every mine site, which is why the T 264 offers the following:
- Payload overload warnings
- Anti roll-back feature, active in forward and reverse
- Certified steering and braking accumulators
- High visibility LED running and service lights
- Engine shutdown switches in cab and at ground level

Service Personnel Safety
Liebherr mining trucks are equipped with ladders and platforms allowing easy engine access. The low working heights of maintenance areas provide safe and efficient service access.
- Access to the engine and alternator from both sides of the chassis
- Ground level filling points for fuel, hydraulic oil, grease, and coolant
- Ground level accessible hydraulic filters and battery isolation box
- Isolation capabilities included as standard, battery isolation, engine start lockout, and propulsion lockout switches to allow for all types of maintenance activities
- Dual access into axle box
- Anchor points for safety harnesses
- Centralized access to all cab electrical connections from the superstructure floor

Safety in Maintenance
- Increased safety with sturdy hand rails, engine bay access ladders, and certified anchor points for safety harness connections when working at heights
- Standard safety equipment includes hoist, propulsion, and starting system lockouts, along with double pole battery isolation

Advanced Traction Control System
- Four-corner speed sensing capability
- Torque automatically adjusted to the rear wheels to maximize traction when cornering, accelerating from a standstill, or traveling down wet or icy roads
- Designed and developed exclusively for Liebherr mining trucks, enabling operators to consistently maintain steering control and truck stability

Safety in Operation
- Maximum visibility in enhanced ergonomic cab for operator and passenger
- Multiple safety routes from cab to ground
- Roll-Over Protective Structures (ROPS) and Falling-Object Protective Structures (FOPS) offer additional safety measures
In order to minimize environmental impact, Liebherr designs and builds mining equipment with the smallest possible environmental footprint.
Low Emissions
Liebherr partners with leading providers of high-speed diesel engines, incorporating Tier 4 Final certified engine technology, to provide customers with a choice of efficient and reliable engine solutions. Tier 4 solutions are designed to reduce emissions and satisfy local requirements established by the EPA for all new mining and construction equipment. This practical consideration is an example of Liebherr’s commitment to customer satisfaction, environmental sustainability, and continuous improvement.

Fuel Efficiency
Liebherr’s Litronic Plus drive system paired with the latest engine technology provides excellent fuel economy, significantly reducing the carbon footprint of the entire operation.

Component Exchange
The Liebherr Exchange Program extends component lifecycles, reduces waste by overhauling components using original core parts, and contributes to environmental sustainability through material and energy savings.

Environmental Awareness
Liebherr is committed to the protection of the environment and takes necessary steps to meet various regulatory requirements in the manufacturing process to restrict the use of hazardous substances. This includes the use of alternative coatings and plating that reduce the overall impact on the environment.

Minimized Impact on the Environment

Environmentally Sustainable Mining

Highly Efficient Electrical Power Train
- Significantly reduces hydrocarbon and filter usage throughout the equipment maintenance life-cycle
- Reduces fuel consumption per tonne moved
- Requires less service time and reduces the costs of waste handling and disposal

Double A-Arm Front Suspensions
- Keep optimal ground contact of the tire within the whole suspension stroke
- Reduce tire wear with optimized camber and toe angle
- Improve operator ride quality and reduce whole body vibration exposure

Sustainable Manufacturing Process
- Liebherr focuses on sustainable development practices
- Systematic risk analyses conducted for new materials qualification
- Promote recovery-waste management to keep non-recyclables to a minimum
### Engine

**Standard Model**
Cummins QSK 60

**Type**
Vee configuration, 4-cycle, water-cooled

**Aspiration**
single-stage: turbo after cooled

**Air cleaner**
2 x dry-type, double element, pre-cleaner, automatic dust ejector, electronic restriction monitor

**Lubrication system**
pressurized system by internal pump

**Lubrication system (filtration)**
centrifugal oil filtration

**Tier rating**
available in fuel-optimized (FO) modes and emission-optimized (EO), including Tier 4

**Engine speed**
1,900 rpm

**Gross power – SAE J1995**
2,013 kW / 2,700 HP

**Number of cylinders**
16

**Bore**
159 mm / 6.25"

**Stroke**
190 mm / 7.48"

**Displacement**
60 l / 3,661 in³

**Starting**
electric

**Optional Model**
MTU 16V4000

**Type**
Vee configuration, 4-cycle, water-cooled

**Aspiration**
single-stage: turbo after cooled

**Air cleaner**
2 x dry-type, double element, pre-cleaner, automatic dust ejector, electronic restriction monitor

**Lubrication system**
pressurized system by internal pump

**Lubrication system (filtration)**
spin on cartridge filtration

**Tier rating**
available in fuel-optimized (FO) modes and emission-optimized (EO), including Tier 4

**Engine speed**
1,900 rpm

**Gross power – SAE J1995**
2,013 kW / 2,700 HP

**Number of cylinders**
16

**Bore**
170 mm / 6.7"

**Stroke**
210 mm / 8.3"

**Displacement**
76.3 l / 4,656 in³

**Starting**
electric

Consult factory for other engine options

### Braking Systems

**Electric dynamic braking**
forced air over quiet stainless steel grid resistors with dry disc service and secondary braking system.

**Electric dynamic braking**
3,300 kW/4,425 HP

**Dynamic braking type**
electric

**Dynamic braking speed control**
operator adjustable, automatically limits truck speed on downhill grade when set

**Service brake type – front**
inboard single disc, 5 x calipers per disc, wheel speed

**Service brake type – rear**
single disc per side, 2 x calipers per disc, armature speed

**Parked brake type**
spring applied, pressure released, 2 x calipers per rear disc

**Adjustable speed limit**
configurable speed limits for empty and loaded, adjustable for site requirements

**Brakes standards**
ISO 3450:1996

**Filtration cleanliness level**
ISO 15/13/11

### Steering

Ackermann center point lever system, full hydraulic power steering with accumulator safety backup. Isolated from dump hydraulic system. Two double-acting hydraulic cylinders.

**Filtration cleanliness level**
ISO 15/13/11

**Turning radius – tire centerline**
15.75 m / 51'7" (ISO 7457)

**Vehicle clearance radius**
16.5 m / 54'2" (ISO 5010)

**Steering angle, left or right**
+ / – 18 degrees

**Steering standards**
ISO 5010:2007

### Dump System

Two double-stage, double-acting hoist cylinders with inter-stage and end cushioning in both directions. Electronic joystick with integrated engine high-idle switch and full modulating control in both extend and retract.

**Dump angle**
49° (45° with optional kick-out switch)

**Dump cycle time**
34 sec.

**Body raise time – high idle**
21 sec.

**Body power down – high idle**
13 sec.

**Remote dump**
standard – quick disconnects for external power dumping accessible from ground level

**Filtration cleanliness level**
ISO 15/13/11

### Electric Drive System

**Control system**
Liebherr Litronic Plus AC drive system with IGBT technology

**Control box**
liquid cooled power components, pressurized cabinet

**Traction control**
Litronic Plus traction control system, computer controlled in propel and dynamic braking, forward and reverse, all wheel speed sensing and reverse

**Main alternator**
AC brushless, direct drive, forced air cooling

**Wheel motors**
Litronic Plus AC induction motors, forced air cooling

**Gear ratio**
40:1

**Max. travel speed**
55 km/h / 34.2 mph

**Cooling system**
variable speed AC motor with twin impeller radial cooling fans

**System voltage level**
1,600 V AC / 2,000 V DC

**Final drive type**
planetary
**Suspension System**

**System**
- **Front**
  - double A-arm with inclined king pin pivot, spindle, and nitrogen over oil suspensions with integral damping
- **Rear**
  - three bar linkage comprised of triangular upper link plus two bottom drag links and nitrogen over oil suspensions with integral damping
- **Rear axle oscillation**
  - 9.5 degrees

**Weights**
- **Nominal payload**
  - 240 t / 265 ton
- **Gross vehicle weight (GVW)**
  - 416 t / 459 ton
- **Empty vehicle weight (EVW)**
  - 176 t / 194 ton
- **Chassis weight**
  - 144 t / 159 ton
- **Body**
  - 32 t / 35 ton
- **Front axle weight distribution**
  - Empty (%): 50%
  - Loaded (%): 33%
- **Rear axle weight distribution**
  - Empty (%): 50%
  - Loaded (%): 67%

1 Standard truck (less options), tires and rims, 100% fluids (fuel tanks, hydraulic tank, gears, suspensions, crankcase, coolant, grease and charged accumulators)

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**Tires/Rims**
- **Tires**
  - 50/80 R57
- **Rims**
  - 32" x 57" bolt on rims
  - 29" x 57" optional rims

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**Frame**
- Closed box structure with multiple torque tube crossmembers, internal stiffeners and integrated front bumper. Steel castings are used in high stress areas.
- **Weaving**
  - frame girders welded inside and out with ultrasonic inspection aligned with AWS D1.1

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**Cab**
- Deluxe cab with integrated ROPS, FOPS, and double wall design for optimum insulation. Fully adjustable air suspension operator seat with double lumbar support and full-size second seat for training requirements. Operator comfort controls include a tilt steering wheel, heater, defroster and standard AC. Real-time vital truck information is easily displayed to the operator and also recorded for download.
- **Standards compliance**
- **HVAC capacity**
  - 8.4 kW

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**Fluid Capacities**
- **Fuel tank**
  - 2 x 1,559 l / 412 gal
- **Hydraulic system (brake, steering and hoist)**
  - Tank
  - 969 l / 256 gal
  - System
  - 1,060 l / 280 gal
- **Cooling system**
  - Standard engine
  - 757 l / 200 gal
  - Optional engine
  - 833 l / 220 gal
- **Engine oil/crankcase**
  - Standard engine
  - 260 l / 68.5 gal
  - Optional engine
  - 300 l / 79.3 gal
  - Final drives
  - 2 x 175 l / 46.2 gal
  - Front wheels
  - 2 x 52 l / 13.7 gal
  - Grease tank
  - 55 kg / 120 lb

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**Body**
- Body sizes are custom designed to fit customer requirements and specific applications. Please contact factory for options.
Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>mm / ft in</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Overall canopy width *</td>
<td>7,841 / 25' 7&quot;</td>
</tr>
<tr>
<td>B Overall truck width (operating width) *</td>
<td>8,621 / 29' 3&quot;</td>
</tr>
<tr>
<td>C Centerline front tire width</td>
<td>6,411 / 21'</td>
</tr>
<tr>
<td>D Bumper to ground clearance</td>
<td>1,348 / 3' 8&quot;</td>
</tr>
<tr>
<td>E Overall rear dual tire width</td>
<td>7,959 / 26' 1&quot;</td>
</tr>
<tr>
<td>F Centerline rear dual tire width</td>
<td>3,746 / 12' 3&quot;</td>
</tr>
<tr>
<td>G Rear axle clearance</td>
<td>675 / 2' 2&quot;</td>
</tr>
<tr>
<td>H Overall front tire width</td>
<td>7,569 / 24'10&quot;</td>
</tr>
<tr>
<td>I Front canopy height *</td>
<td>7,171 / 23' 5&quot;</td>
</tr>
<tr>
<td>J Overall truck length *</td>
<td>14,197 / 46' 6&quot;</td>
</tr>
<tr>
<td>K Wheelbase</td>
<td>6,119 / 20' 1&quot;</td>
</tr>
<tr>
<td>L Loading height *</td>
<td>6,260 / 20' 6&quot;</td>
</tr>
<tr>
<td>M Dump clearance *</td>
<td>1,321 / 4' 3&quot;</td>
</tr>
<tr>
<td>N Overall height – body raised *</td>
<td>14,005 / 45'10&quot;</td>
</tr>
<tr>
<td>O Dual spacing</td>
<td>1,420 / 4' 7&quot;</td>
</tr>
</tbody>
</table>

* dump body specific
Performance Curves

Performance Chart Parameters

- **Gross power**: 2,013 kW / 2,700 HP (A)
- **Net power**: 1,964 kW / 2,634 HP (A)
- **Tire size**: 50/80 R57
- **Gear ratio**: 40.0 to 1
- **Reference curves**: A: Propulsion 2,013 kW / 2,700 HP  
  B: Dynamic Braking (Retard)

Note: The propulsion curve is calculated using net horsepower, therefore site specific and climatic variables will have an effect on the parasitic loss estimations.

Truck Match

<table>
<thead>
<tr>
<th>Liebherr excavator and configuration</th>
<th>R 9400 BH</th>
<th>R 9400 FS</th>
<th>R 996 B BH</th>
<th>R 996 B FS</th>
<th>R 9800 BH</th>
<th>R 9800 FS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard bucket</strong></td>
<td>m³</td>
<td>24</td>
<td>22</td>
<td>36</td>
<td>34</td>
<td>47.5</td>
</tr>
<tr>
<td></td>
<td>yd³</td>
<td>31.4</td>
<td>28.8</td>
<td>47.1</td>
<td>44.5</td>
<td>62.1</td>
</tr>
<tr>
<td><strong>Number of passes</strong></td>
<td></td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

* for 1.8 t/m³ material density
Loading Charts

**T 264 Mining Truck**
loaded by the Liebherr R 9400 hydraulic excavator in face shovel configuration

- Maximum dump height: 11.2 m / 36'8"
- Truck loading height: 6.3 m / 20'8"
- Passes to fill: 6 passes

(given 1.8 t/m³ material density)

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**T 264 Mining Truck**
loaded by the Liebherr R 9400 hydraulic excavator in backhoe configuration

- Maximum dump height: 10.6 m / 34'8"
- Truck loading height: 6.3 m / 20'8"
- Passes to fill: 6 passes

(given 1.8 t/m³ material density)
**T 264 Mining Truck**

loaded by the Liebherr R 996 B hydraulic excavator in face shovel configuration

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>12.9 m / 42'3&quot;</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.3 m / 20'8&quot;</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>4 passes</td>
</tr>
</tbody>
</table>

(given 1.8 t/m³ material density)

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**T 264 Mining Truck**

loaded by the Liebherr R 996 B hydraulic excavator in backhoe configuration

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>10.7 m / 34'11&quot;</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.3 m / 20'8&quot;</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>4 passes</td>
</tr>
</tbody>
</table>

(given 1.8 t/m³ material density)
Loading Charts

**T 264 Mining Truck**
loaded by the Liebherr R 9800 hydraulic excavator in face shovel configuration

<table>
<thead>
<tr>
<th>Maximum dump height</th>
<th>12.4 m / 40'7&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck loading height</td>
<td>6.3 m / 20'8&quot;</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>3 passes</td>
</tr>
</tbody>
</table>

(given 1.8 t/m³ material density)

**T 264 Mining Truck**
loaded by the Liebherr R 9800 hydraulic excavator in backhoe configuration

<table>
<thead>
<tr>
<th>Maximum dump height</th>
<th>10.9 m / 35'9&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Truck loading height</td>
<td>6.3 m / 20'8&quot;</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>3 passes</td>
</tr>
</tbody>
</table>

(given 1.8 t/m³ material density)
Standard Equipment

**General**

Access – 45° diagonal star (drivers side access) with two side ladders w/ flexible step

Accumulators – certified – steering (2 x 88 l / 23.2 gal), front brakes (1 x 27 l / 7.1 gal and 1 x 4 l / 1 gal), rear brakes (1 x 7.6 l / 2 gal and 1 x 4 l / 1 gal)

Axle box – dual entry service access and rear air exhaust

Centralized service station – ground level, driver side, with fuel gauge and pressureless fast fill system

Color – white/grey

Fall protection – multiple personnel harness anchor points

Fluid sampling – multi-sampling ports close to components

Grease system – automatic lubrication system

Hydraulic circulation loop filter

Hydraulic filters – high pressure for brake, steering and hoist w/ electronic monitoring

Jacking points – labeled

LED payload display – 2 x superstructure mounted

Liebherr Mining Data (LMD)

Mud flaps – front and rear of fuel tanks, superstructure and battery control box

Parking brake – spring applied pressure release

Recovery system – auxiliary connectors for brake, steering and hoist “buddy system”

Reverse alarm (2)

Rims – bolt on, 4 x double gutter, 2 x single gutter

Rock ejectors – bar type

Service access ladders – right and left engine bay ladders w/ cable steps

Shut off valves – suction and return line w/ electronic monitoring

Sight gauges – hydraulic tank, radiator, control box and front wheel hub

Towing points – front and rear, labeled

**Engine**

Air cleaner dust ejectors – automatic

Air cleaners – two units with 2 elements per unit with electronic restriction monitoring in cab

Engine “roll over” protection switch

Exhaust – side-mounted mufflers with insulated exhaust pipes

Fan clutch – variable speed, temperature controlled

Fuel/water separator

Oil centrifuge filter

Prelube – pre-start engine oil pressurization to reduce dry engine turnover

Primary and secondary fuel filters

Radiator – L & M (Mesabi) flexible core, with center-mounted level gauge on front face of surge tank

Roll out power module – engine, main alternator and hydraulic pump directly mounts to frame using removable tool system

Starter – electric

**24 V Electrical**

Batteries – 6 x 12 Volt, (3 banks of 2), 1,300 CCA each at – 18 °C (0 °F), 1,560 CCA at 0 °C (32 °F)

Battery box lockouts – ground level, battery (2 pole), propel and starter (single pole)

Electrical system – 24 VDC with circuit breaker protection

Engine stops – in-cab and ground level

**AC Drive System and Controls**

Anti roll-back – in forward and reverse

Brakes – dynamic braking w/ automatic hydraulic brake blending and hydraulic service brakes

Gear assembly – Liebherr gears and wheel motors

Gear ratio – 40:1

Grid box – resistor grid control system and variable AC grid box blower motor

Litronic Plus control cabinet – IGBT technology, liquid cooled, pressurized, filtered air inlet, ground fault warning and detection

Traction control system with four-wheel speed sensing

**Lighting**

Access lights – 3 ladder, 1 superstructure

Brake warning lights (cab mounted external) – forward facing dynamic brake and service brake (LED)

Headlights – 4 x high beam, 4 x low beam (LED)

Reverse lights – 2 x axle box, 1 x driver’s side superstructure (LED)

Service lights – 2 x engine bay, 2 x axle box (LED)

Truck lights – tail, brake, dynamic brake and turn indicators (LED)

**Operator Environment**

Climate control – combined heater and air conditioner w/ multiple air ducts and filtered air

Cup holder – 2 center console mounted

Diagnostics interface – CANopen, Ethernet

Display screen – dimmable color touch screen w/ operator information and warning

Dual overhead LED dome lights that illuminate when the door is opened


Mirrors – drivers side (flat), offside (convex) and access ladder (convex)

Power outlets – 2 x 120 V AC

Power windows – driver and passenger

Pressurized cab – with fan on

Radio ready – wiring, speakers and DIN fitting

Seat belt – high visibility orange, 3 point, 2 inch wide

Seats – fully adjustable driver and passenger heated seats with air suspension

Speedometer – km/h / mph

Steering wheel – tilting and telescopic with horn and wiper control

Storage shelves and storage compartment located behind seats

Sun visors – 2 windshield sun visors and 1 driver’s door pull down blind

Windows – tempered and tinted glass 6.3 mm

Windshield – laminated safety glass and tinted 9.5 mm

Wipers – two speed electric and intermittent w/ self park and dual wiper arms
## Optional Equipment

### General
- Color – Liebherr yellow/grey
- Dump body options – liners, tailgates, rock deflectors, raise limit – 45° kick out switch
- Grill illumination light (LED)
- Multiple language decals
- Truck ID light (blue LED) – diagonal staircase mounted
- Undercarriage protection – front belly pan and fuel tank skid plates

### Safety
- Access stair – powered retractable stair to main diagonal stairway
- Automatic fire suppression system
- Berm cornering lights (LED) – forward facing, superstructure mounted (DS and ODS)
- Fog lights (LED) – 4 x bumper mounted
- Hill cresting lights (LED) – 2 x top grill mounted
- Overspeed light – externally mounted blue light on the top of cab
- Park brake on / truck in neutral warning light (LED) – externally mounted on top of cab
- Rear view camera
- Reverse light (LED) – off driver’s side superstructure

### Operator’s Cab
- Centered dashboard gauge panel in metric or imperial

### Hydraulic System
- Hydraulic return line filtration (3 x hydraulic filters)

### Specific Solutions
- Arctic package – diesel type engine heater, automatic control, heated mirrors, heated dump body exhaust, diesel fuel heater
- High altitude package
- Manual fuel fill tank w/ladder and platform
- Trolley capable

### Engine
- EPA Tier 2 and Tier 4i certifications
- Optional fuel tank 2 x 2,517 l / 665 gal, total fuel 5,034 l / 1,330 gal

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Standard and optional equipment are subject to change at manufacturer’s discretion. Please contact your local representative for further information.