Nominal payload: Up to 240 t / 265 ton
Gross Vehicle Weight (GVW): 416 t / 459 tons

Engine power:
2,013 kW
2,700 HP

Speed on grade:
Diesel 15.2 km/h / 9.4 mph
Trolley 27.5 km/h / 17.1 mph
*Effective grade 10%
Overview

T 264

Unmatched cycle time
- Class-leading payload
- Perfect match with Liebherr excavators
- High speed on grade
- Fast dump cycle times

Experienced reliability
- Advanced hydraulic design and fast cycle times
- Solid Liebherr AC drive system
- Extended component lifetime

Perfect truck shovel match

Backhoe
4 pass loading of 600t class excavator
3 pass loading of 800t class excavator

Face shovel
4 pass loading of 600t class excavator
3 pass loading of 800t class excavator

Engine Power
2,013 kW / 2,700 HP

Gross Vehicle Weight
416 tonnes / 459 tons

Nominal Payload
240 tonnes / 265 tons
User-centric design
- Enhanced driving comfort
- Safe work environment
- Ground level service access

Versatile for all applications
- Autonomous solutions
- High altitude kit
- Cold climate
- Sound attenuation kit

Sustainable Performance
- US EPA Tier 4F engine option
- Complete Liebherr powertrain solution
- Trolley Assist System option
Performance & sustainability

Powertrain

+4%

More engine power
**Liebherr D9812 engine**

The Liebherr D9812 engine is highly responsive and reactive by design, providing superior performance and required horsepower for increased productivity. By utilizing in-house key components the D9812 delivers outstanding performance and fuel consumption.

- 2,013 kW / 2,700 HP at 1,800 RPM
- 12 cylinder V-engine
- Displacement 62 l / 3,787 in³

**Litronic Plus AC Drive System**

Designed, developed and built by Liebherr, the Litronic Plus AC Drive system maximizes the electrical power conversion into mechanical torque, increasing the acceleration and minimizing energy consumption.

**High performance**
- Maximized electrical power conversion into mechanical torque
- Lower weight vs mechanical drive
- High speed on grade and higher rim pull forces

**Electric drive vs mechanical drive**
- Reduced maintenance costs and total oil consumption
- Reduced cost of additional cooling system for downhill loaded operations
- Less service time

**Complete Liebherr powertrain**

With the integration of the Liebherr D98 engine series, Liebherr provides complete vertical integration of the powertrain for its large and ultra-class trucks.
Class leading payload
The intelligent design of the T 264 allows to move more tonnes per hour by maximizing payload and minimizing cycle times. Pairing the 240 t / 265 ton Liebherr T 264 with the Liebherr R 9800 hydraulic excavator offers a versatile and productive mining fleet. The fast swing of the R 9800 and perfect bucket pass match to the T 264 will load it with three bucket passes providing quick loading times that lead to higher productivity.

Unmatched cycle times
The Liebherr T 264 is powered by the most powerful engine in its class at 2,013 kW / 3,700 HP along with the efficient Liebherr Litronic Plus AC Drive System. With the advanced hydraulic design and fast cycle times, the T 264 moves more material in less time. Designed with safety in mind, the T 264 is equipped with 3,300 kW/4,425 HP dynamic braking power to operate efficiently on downhill hauls.

High speed on grade
Speed on grade is a major contributor to fast cycle times. The Liebherr Litronic Plus AC Drive System improves cycle time efficiency by providing continuous uphill speed, differing from traditional mechanical drive trucks that require shifting of gears.
Perfect pass match with Liebherr excavators

**R 9800**
- Backhoe: 47.5 m³ / 62.1 yd³, 3 passes
- Face shovel: 42 m³ / 54.9 yd³, 3 passes

**R 9600**
- Backhoe: 37.5 m³ / 49.1 yd³, 4 passes
- Face shovel: 37 m³ / 48.4 yd³, 4 passes

**R 9400**
- Backhoe: 24 m³ / 31.4 yd³, 6 passes
- Face shovel: 22 m³ / 28.8 yd³, 6 passes
User-centric design

Liebherr is committed to designing mining trucks that operators want to drive. 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 to protect against roll-over and falling-object incidents. The integrated HVAC system provides comfort in all temperature extremes.

Liebherr mining trucks are equipped with ladders and platforms that allow easy engine access. The ground level maintenance areas provide safe and efficient service access.

Cab features
- Spacious interior
- Large panoramic windshield
- Integrated color touchscreen
- Ergonomic layout
- Pressurized cab to prevent dust penetration
Active intelligent control systems

The Liebherr active intelligent control systems provide safety for the operator:
- Four wheel speed-sensing to optimize traction performance
- Slip/slide control to reduce torque on wheels which rotate faster and provide on-demand torque requirements
- Traction control in which torque is automatically adjusted to the rear wheels to maximize traction when cornering accelerating from a standstill, or traveling on wet or icy roads
- Anti-roll back operable in forward and reverse
- Operator adjustable dynamic braking speed limit control for downhill operations
- Configurable speed limits for loaded and unloaded states
- Configurable speed inhibitors for truck overload, reverse and dump body raise

Double A-arm suspension
- Keep optimal ground contact of the tire within the whole suspension stroke
- Reduce tread and wear with optimized camber and toe angle
- Improve operator ride quality and reduce overall body vibration exposure
Get the best out of your Liebherr Mining truck fleet

Liebherr autonomous solutions deliver the next generation of onboard intelligence, with reduced dependency on site infrastructure and centralized supervisory systems. Together with vehicle-to-vehicle technologies, our smart autonomous solutions provide onboard obstacle avoidance and load area path planning capabilities for optimization of traffic flow.

- Higher level of safety
- More flexibility with seamless integration
- Smart autonomous solutions
- Liebherr autonomous solutions provide production advantages
Interoperability with other autonomous assets

In terms of Automation, Liebherr supports and promotes the development of an Open and Interoperable Mine Autonomy Platform that enables:

- Vendor agnostic control of mixed fleets of OEM robotic machines
- Use of multiple onboard autonomous solution options across multiple OEM models
- Trucks with different autonomous solutions working together supported by a single central control systems via the use of standardized “Open Protocols”

Interoperable Mine Autonomy will provide customers the freedom to choose preferred combinations of equipment, onboard autonomous solutions and central control platforms.
Efficiency

Trolley Assist System

1.8x faster
Trolley vs Diesel speed on grade (10%)

29 - 54%
Less kt CO₂, emissions and fuel consumption*

*Based on 1-3 km / 0.6-1.9 mi trolley line (25 - 80% of entire cycle)
Low emissions solution

The Liebherr Trolley Assist System is an effective first step on the road to zero emission mine sites of the future. Utilizing an overhead pantograph to connect the electric-drive system to the electrical network. The Trolley Assist System offers:

- Increased truck fleet productivity, or reduction in fleet size while maintaining yearly production, versus standard trucks
- Reduction of fuel consumption from 37 l / 9.8 gal to 2.25 l / 0.6 gal of diesel for a 1 km / 0.6 mi trolley run
- Reduction of carbon footprint by decreasing the truck fleet CO₂ emissions

Increased productivity

Liebherr has developed the Trolley system in which trucks are able to operate at higher speed on grade, and reduce cycle times. By augmenting speed on grade up to 27.5 km / 17.1 mph, the Trolley Assist System maximizes productivity offering a higher production per hour.

Proven field experience

Liebherr delivers proven field experience with T 284 units fitted with the Trolley Assist System already in operation on different sites.

Zero emission ready

All Liebherr trucks purchased now are compatible with the future Zero Emission technologies. Our approach is aligned with the Liebherr Company values, to be environmentally responsible by having a strong Zero Emission Strategy built on Liebherr embedded core competencies. Liebherr can offer today a solution to their mining customers to start their Zero Emission Journey.

One-stop-shop

Liebherr has developed strategic partnership agreements to support their customers with a complete solution.

Trolley Assist System

- Option for new truck units, all models
- Compatible and performance-enhancing in combination with diesel powertrain
- Compatible with all future zero emission powertrains

Agnostic approach on power supply and storage

- Diesel engine, batteries, hydrogen, ammonia, and methanol

Liebherr AC Drive System

- Maximize electrical power conversion into mechanical torque
- Deliver high speed on grade and higher rim pull forces
Operator safety
The T 264 is fitted with an ergonomic cab that creates a safe and comfortable environment for the operator. The cab provides maximum visibility utilizing tinted safety glass windows and is certified for roll-over and falling-object protection.

Safety in maintenance
The T 264 is equipped with ladders and platforms allowing easy engine access. The working heights of maintenance areas provide safe and efficient access.

Fire prevention features
Lower fire risk by:
- Routing piping and hosing away from hot areas and ignition points
- Encapsulating and insulating exhaust pipes as standard
- Insulating Turbos and exhaust manifolds as standard
Stability and control
The innovative Traction Control System is designed and developed exclusively for Liebherr mining trucks. This advanced system improves steering and truck stability, extending tire life even in the most challenging conditions.

LED lightning system
The T 264 is easily visible at night or in extremely dusty working conditions thanks to the LED lights located throughout the truck.

Safety in operation
A safe work environment is critical for every mine site, thus the T 264 offers:
- Payload overload warnings
- Certified steering and braking accumulators
- Engine shutdown switches in cab and at ground level
Easy & safe operations
Maintenance
Ground level access

The T 264 has been designed for easier maintenance and quicker servicing. The central service station is located on the fuel tank and provides easy accessibility for maintenance as standard equipment. Refill and separate drain points of the T 264 are easily accessed from the ground with fast couplings and depressurized valves.

Lubrication system
- Test mode allows all injectors to be easily checked to verify they are working properly
- Automatic grease system allows sufficient lubrication of critical pivot points
- System controller offers programmable (5-30 min) lubrication of critical pivot points

Digital Services
- Connectivity enabled services utilize data generated on the machine to provide insights and recommendations required to drive fleet performance
- Enables the integration of Liebherr’s technologies, engineering knowledge, and mining expertise with customer technology landscape

Easy and fast service
- Easy access to check brake component wear
- Service door on axle box for inspections
- Control box with multiple access doors and swing out modules
Long-lasting performances
Reliability

Vertical Integration
As an Original Equipment Manufacturer (OEM), Liebherr has built an Industry reputation as strong as the high quality mining components and truck that we develop and produce. The T 264 haul truck has a proven design with the integration of the robust and reliable mining-optimized components developed and manufactured by Liebherr, ensuring the highest reliability and best performance.

Mining Know-How
Liebherr mining trucks are conceptualized, designed and built for the mining industry. Our mining equipment and customer service are dedicated to our customers; their success is our success. To meet customer and industry requirements, Liebherr engineers use specific 3D simulation solutions such as Finite Element and Fatigue Life Analysis.

Superior structure
- 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
- Complete drive system designed and manufactured by Liebherr for use in the most demanding mining environments.

Quality: the Liebherr Trademark
Providing reliable machines for customer mine sites is the highest priority for Liebherr Mining. The engineering expertise and commitment to continuous improvement combine to make Liebherr mining equipment industry-leading machines. The T 264 is a robust solution with proven design, with more than 500,000 operating hours.
## Technical Data

### Engine

<table>
<thead>
<tr>
<th>Engine</th>
<th>Standard</th>
<th>Type</th>
<th>Aspiration</th>
<th>Air cleaner</th>
<th>Lubrication system (method)</th>
<th>Lubrication system (filtration)</th>
<th>Tier rating</th>
<th>Engine speed</th>
<th>Gross power - ISO 3046-1</th>
<th>Number of cylinders</th>
<th>Bore</th>
<th>Stroke</th>
<th>Displacement</th>
<th>Starting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Cummins QSK 60</td>
<td>Vee configuration, 4-cycle, water-cooled</td>
<td>Single-stage: turbocharged and aftercooled</td>
<td>2 x dry-type, double element, pre-cleaner, automatic dust ejector, electronic restriction monitor</td>
<td>Pressurized system by internal pump</td>
<td>Centrifugal oil filtration</td>
<td>Available in fuel-optimized (FO) and emission-optimized (EO) calibration</td>
<td>1,900 rpm</td>
<td>2,013 kW / 2,700 HP</td>
<td>16</td>
<td>159 mm / 6.25&quot;</td>
<td>190 mm / 7.48&quot;</td>
<td>60 l / 3,661 in³</td>
<td>Electric</td>
</tr>
<tr>
<td>Option A</td>
<td>Liebherr DP812</td>
<td>Vee configuration, 4-cycle, water-cooled</td>
<td>Single-stage: turbocharged and aftercooled</td>
<td>2 x dry-type, double element, pre-cleaner, automatic dust ejector, electronic restriction monitor</td>
<td>Pressurized system by internal pump</td>
<td>Spin-on style filter canisters with centrifugal bypass filtering</td>
<td>Available in fuel-optimized (FO) calibration</td>
<td>1,800 rpm</td>
<td>2,013 kW / 2,700 HP</td>
<td>12</td>
<td>175 mm / 6.9&quot;</td>
<td>215 mm / 8.5&quot;</td>
<td>62 l / 3,787 in³</td>
<td>Electric</td>
</tr>
<tr>
<td>Option B</td>
<td>MTU 16V4000 C23 (Tier IV C45)</td>
<td>Vee configuration, 4-cycle, water-cooled</td>
<td>Single-stage: turbocharged and aftercooled; Tier V: Two-stage: turbocharged with exhaust gas recirculation (EGR)</td>
<td>2 x dry-type, double element, pre-cleaner, automatic dust ejector, electronic restriction monitor</td>
<td>Pressurized system by internal pump</td>
<td>Centrifugal oil filtration</td>
<td>Available in fuel-optimized (FO) modes and emission optimized (EO); available Tier IV emission calibration (EGR)</td>
<td>1,800 rpm</td>
<td>2,013 kW / 2,700 HP</td>
<td>16</td>
<td>170 mm / 6.7&quot;</td>
<td>210 mm / 8.3&quot;</td>
<td>76.3 l / 4,656 in³</td>
<td>Electric</td>
</tr>
<tr>
<td>Consult factory for other engine options</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electric Drive System

<table>
<thead>
<tr>
<th>Electric Drive System</th>
<th>Control system</th>
<th>Liebherr Litronic Plus AC drive system with IGBT technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control box</td>
<td>liquid cooled power components, pressurized cabinet</td>
<td></td>
</tr>
<tr>
<td>Traction control</td>
<td>Litronic Plus traction control system, computer controlled in propel and dynamic braking, forward and reverse, all-wheel speed sensing and reverse</td>
<td></td>
</tr>
<tr>
<td>Main alternator</td>
<td>AC brushless, direct drive, forced air cooling</td>
<td></td>
</tr>
<tr>
<td>Wheel motors</td>
<td>Litronic Plus AC induction motors, forced air cooling</td>
<td></td>
</tr>
<tr>
<td>Gear ratio</td>
<td>40:1</td>
<td></td>
</tr>
<tr>
<td>Max. travel speed</td>
<td>55 km/h / 34.2 mph</td>
<td></td>
</tr>
<tr>
<td>Cooling system</td>
<td>variable speed AC motor with twin impeller radial cooling fans</td>
<td></td>
</tr>
<tr>
<td>System voltage level</td>
<td>1,600 V AC / 2,000 V DC</td>
<td></td>
</tr>
<tr>
<td>Final drive type</td>
<td>Planetary</td>
<td></td>
</tr>
</tbody>
</table>

### Braking Systems

<table>
<thead>
<tr>
<th>Braking Systems</th>
<th>Electric dynamic braking, forced air over quiet stainless steel grid resistors with dry disc service and secondary braking system.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric dynamic braking capacity</td>
<td>3,300 kW / 4,425 HP</td>
</tr>
<tr>
<td>Dynamic braking type</td>
<td>Electric</td>
</tr>
<tr>
<td>Dynamic braking speed control</td>
<td>operator-adjustable, automatically limits truck speed on downhill grade when set</td>
</tr>
<tr>
<td>Service brake type – front</td>
<td>inboard single disc, 5 x calipers per disc, wheel speed</td>
</tr>
<tr>
<td>Service brake type – rear</td>
<td>dual discs per side, single caliper per disc, armature speed</td>
</tr>
<tr>
<td>Parking brake type</td>
<td>spring-applied, pressure-released, 2 x calipers per rear disc</td>
</tr>
<tr>
<td>Adjustable speed limits</td>
<td>configurable speed limits for empty and loaded, adjustable for site requirements</td>
</tr>
<tr>
<td>Brakes standards</td>
<td>ISO 3450:1996</td>
</tr>
<tr>
<td>Filtration cleanliness level</td>
<td>15/13/11 per ISO 4406:2017</td>
</tr>
</tbody>
</table>

### Steering

<table>
<thead>
<tr>
<th>Steering</th>
<th>Ackermann center point lever system, full hydraulic power steering with accumulator safety backup. Isolated from dump hydraulic system. Two double-acting hydraulic cylinders.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtration cleanliness level</td>
<td>15/13/11 per ISO 4406:2017</td>
</tr>
<tr>
<td>Steering standards</td>
<td>ISO 5010:2007</td>
</tr>
<tr>
<td>Turning radius – tire centerline</td>
<td>15.75 m / 51.7&quot; (ISO 5010)</td>
</tr>
<tr>
<td>Vehicle clearance radius</td>
<td>16.5 m / 5'4.2&quot; (ISO 5010)</td>
</tr>
<tr>
<td>Steering angle, left or right</td>
<td>+/- 18 degrees</td>
</tr>
</tbody>
</table>
## Hoist 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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dump angle</td>
<td>49° (45° with optional kick-out switch)</td>
</tr>
<tr>
<td>Dump cycle time</td>
<td>34 sec.</td>
</tr>
<tr>
<td>Body raise time –</td>
<td>21 sec.</td>
</tr>
<tr>
<td>Body power down –</td>
<td>13 sec.</td>
</tr>
<tr>
<td>Remote dump</td>
<td>Standard – quick disconnects for external power dumping accessible from ground level</td>
</tr>
<tr>
<td>Filtration cleanliness level</td>
<td>15/13/11 per ISO 4406:2017</td>
</tr>
</tbody>
</table>

## Weights

<table>
<thead>
<tr>
<th>Category</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal payload</td>
<td>240 t / 265 ton</td>
</tr>
<tr>
<td>Gross vehicle weight (GVW)</td>
<td>416 t / 459 ton</td>
</tr>
<tr>
<td>Empty vehicle weight (EVW)</td>
<td>176 t / 194 ton</td>
</tr>
<tr>
<td>Chassis weight(^\text{a})</td>
<td>144 t / 259 ton</td>
</tr>
<tr>
<td>Body(^\text{a})</td>
<td>32 t / 35 ton</td>
</tr>
<tr>
<td>Front axle weight distribution</td>
<td></td>
</tr>
<tr>
<td>Empty (%)</td>
<td>50%</td>
</tr>
<tr>
<td>Loaded (%)</td>
<td>33%</td>
</tr>
<tr>
<td>Rear axle weight distribution</td>
<td></td>
</tr>
<tr>
<td>Empty (%)</td>
<td>50%</td>
</tr>
<tr>
<td>Loaded (%)</td>
<td>67%</td>
</tr>
</tbody>
</table>

\(^\text{a}\) Standard truck (less options), tires and rims, 100 % fluids (fuel tanks, hydraulic tank, gears, suspensions, crankcase, coolant, grease and charged accumulators)

\(^\text{b}\) Actual dump body weight will vary based on customer application and supplier design

## Fluid capacities

<table>
<thead>
<tr>
<th>Component</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel tank</td>
<td>2 x 1,559 l / 412 gal</td>
</tr>
<tr>
<td>Optional fuel tank</td>
<td>2 x 2,460 l / 650 gal</td>
</tr>
<tr>
<td>Hoist hydraulic tank (hoist, hoist oil cooling)</td>
<td></td>
</tr>
<tr>
<td>Tank</td>
<td>969 l / 256 gal</td>
</tr>
<tr>
<td>System</td>
<td>1,060 l / 280 gal</td>
</tr>
<tr>
<td>Cooling System</td>
<td></td>
</tr>
<tr>
<td>Standard engine</td>
<td>775 l / 205 gal</td>
</tr>
<tr>
<td>Option A engine</td>
<td>901 l / 238 gal</td>
</tr>
<tr>
<td>Option B engine</td>
<td>886 l / 234 gal</td>
</tr>
<tr>
<td>Engine oil / crankcase</td>
<td></td>
</tr>
<tr>
<td>Standard engine</td>
<td>260 l / 68.7 gal</td>
</tr>
<tr>
<td>Option A engine</td>
<td>346 l / 91.4 gal</td>
</tr>
<tr>
<td>Option B engine</td>
<td>300 l / 79.3 gal</td>
</tr>
<tr>
<td>Final drives</td>
<td>2 x 175 l / 46.2 gal</td>
</tr>
<tr>
<td>Front wheels</td>
<td>2 x 52 l / 13.7 gal</td>
</tr>
<tr>
<td>Grease tank</td>
<td>55 kg / 120 lb</td>
</tr>
</tbody>
</table>

## Tire / Rims

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tires</td>
<td>50 / 80 R57</td>
</tr>
<tr>
<td>Rims</td>
<td>29&quot; x 57&quot; bolt on rims</td>
</tr>
<tr>
<td></td>
<td>32&quot; x 57&quot; optional rims</td>
</tr>
</tbody>
</table>

## Frame

Closed box structure with multiple torque tube cross-members, internal stiffeners and integrated front bumper. Steel castings are used in high stress areas.

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welding</td>
<td>Frame girders welded inside and out with ultrasonic inspection aligned with AWS D1.1</td>
</tr>
</tbody>
</table>

## Suspension System

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>System</td>
<td>Double A-arm with inclined king pin pivot, spindle, and nitrogen over oil suspensions with integral damping</td>
</tr>
<tr>
<td>Front</td>
<td></td>
</tr>
<tr>
<td>Rear</td>
<td>three bar linkage comprised of triangular upper link plus two bottom drag links and nitrogen over oil suspensions with integral damping</td>
</tr>
<tr>
<td>Rear axle oscillation</td>
<td>9.5°</td>
</tr>
</tbody>
</table>

## Operator's 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.

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>HVAC capacity</td>
<td>8.4 kW</td>
</tr>
</tbody>
</table>

## Body

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

<table>
<thead>
<tr>
<th></th>
<th>Dimension Description</th>
<th>mm/ft in</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Overall canopy width*</td>
<td>7,841/25' 7&quot;</td>
</tr>
<tr>
<td>B</td>
<td>Overall truck width (operating width)*</td>
<td>8,621/28' 3&quot;</td>
</tr>
<tr>
<td>C</td>
<td>Front track width</td>
<td>6,411/21'</td>
</tr>
<tr>
<td>D</td>
<td>Bumper to ground clearance</td>
<td>1,149/3' 8&quot;</td>
</tr>
<tr>
<td>E</td>
<td>Overall rear dual tire width</td>
<td>7,959/26' 1&quot;</td>
</tr>
<tr>
<td>F</td>
<td>Rear track width</td>
<td>3,746/12' 3&quot;</td>
</tr>
<tr>
<td>G</td>
<td>Rear axle clearance</td>
<td>675/2' 2&quot;</td>
</tr>
<tr>
<td>H</td>
<td>Overall front tire width</td>
<td>7,569/24' 10&quot;</td>
</tr>
<tr>
<td>I</td>
<td>Front canopy height*</td>
<td>7,171/23' 5&quot;</td>
</tr>
<tr>
<td>J</td>
<td>Overall truck length*</td>
<td>14,197/46' 6&quot;</td>
</tr>
<tr>
<td>K</td>
<td>Wheelbase</td>
<td>6,119/20' 1&quot;</td>
</tr>
<tr>
<td>L</td>
<td>Loading height*</td>
<td>6,280/20' 6&quot;</td>
</tr>
<tr>
<td>M</td>
<td>Dump clearance*</td>
<td>1,321/4' 3&quot;</td>
</tr>
<tr>
<td>N</td>
<td>Overall height – body raised*</td>
<td>14,005/45' 10&quot;</td>
</tr>
<tr>
<td>O</td>
<td>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 to 1
- Reference curves:
  - (A): Propulsion 2,013 kW / 2,700 HP
  - (B): Dynamic Braking

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 9600 BH</th>
<th>R 9600 FS</th>
<th>R 9800 BH</th>
<th>R 9800 FS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard bucket*</td>
<td>24</td>
<td>22</td>
<td>37.5</td>
<td>37</td>
<td>47.5</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>m³</td>
<td>m³</td>
<td>m³</td>
<td>m³</td>
<td>m³</td>
<td>m³</td>
</tr>
<tr>
<td>Number of passes</td>
<td>31.4</td>
<td>28.8</td>
<td>49.1</td>
<td>48.4</td>
<td>62.1</td>
<td>54.9</td>
</tr>
<tr>
<td></td>
<td>yd³</td>
<td>yd³</td>
<td>yd³</td>
<td>yd³</td>
<td>yd³</td>
<td>yd³</td>
</tr>
<tr>
<td>Standard / Optional</td>
<td>6</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>3</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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>11.2 m / 36’ 8”</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.28 m / 20’ 6”</td>
</tr>
<tr>
<td>Passes to fill (given 1.8 t / m³ material density)</td>
<td>6 passes</td>
</tr>
</tbody>
</table>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>10.6 m / 34’ 8”</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.28 m / 22’ 6”</td>
</tr>
<tr>
<td>Passes to fill (given 1.8 t / m³ material density)</td>
<td>6 passes</td>
</tr>
</tbody>
</table>
T 264 Mining Truck
loaded by the Liebherr R 9600 hydraulic excavator in face shovel configuration

<table>
<thead>
<tr>
<th></th>
<th><strong>T 264 Mining Truck</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>12.4 m / 41’ 8”</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.28 m / 20’ 6”</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>4 passes</td>
</tr>
<tr>
<td>(given 1.8 t / m³ material density)</td>
<td>4 passes</td>
</tr>
</tbody>
</table>

T 264 Mining Truck
loaded by the Liebherr R 9600 hydraulic excavator in backhoe configuration

<table>
<thead>
<tr>
<th></th>
<th><strong>T 264 Mining Truck</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>10.6 m / 34’ 9”</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.28 m / 20’ 6”</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>4 passes</td>
</tr>
<tr>
<td>(given 1.8 t / m³ material density)</td>
<td>4 passes</td>
</tr>
</tbody>
</table>
Loading Charts

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>12.4 m / 40' 7&quot;</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.28 m / 20' 6&quot;</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>3 passes</td>
</tr>
<tr>
<td>(given 1.8 t / m³ material density)</td>
<td></td>
</tr>
</tbody>
</table>

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum dump height</td>
<td>10.9 m / 35' 9&quot;</td>
</tr>
<tr>
<td>Truck loading height</td>
<td>6.28 m / 20' 6&quot;</td>
</tr>
<tr>
<td>Passes to fill</td>
<td>3 passes</td>
</tr>
<tr>
<td>(given 1.8 t / m³ material density)</td>
<td></td>
</tr>
</tbody>
</table>
# Standard Equipment

## General
- **Access**: 45° diagonal stair (drivers side access) with two side ladders with flexible steps
- **Accumulators**: certified – steering (1 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 pressure less fast fill system
- **Color**: white / gray
- **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 coolers**: 1 x hoist system, 2 x final drive gear oil
- **Hydraulic filters**: high pressure for brake, steering and hoist w/ electronic monitoring
- **Hydraulic return line filtration**: 3 x hydraulic filters
- **Jacking points**: labeled
- **LED payload display**: 2 x superstructure mounted
- **Liebherr Mining Data (LMD)**
- **Mud guards**: front and rear of fuel tanks, superstructure and battery control box
- **Park 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 simple 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), 1,425 CCA each at -18 °C (0 °F), 1,795 CA 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**: marker / clearance, 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 5V USB charging ports**
- **Dual overhead LED dome lights** that illuminate when the door is opened
- **Mirrors**: drivers side (flat), offside (convex) and access ladder (convex)
- **Power outlets**: 12 VDC and 115 VAC
- **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 95 mm
- **Wipers**: two speed electric and intermittent with self park and dual wiper arms
# Optional Equipment

## General
- Access stair – powered retractable stair to main diagonal stairway
- Automatic fire suppression system
- Color – Liebherr yellow/gray
- Dump body options – liners, tailgates, rock deflectors, raise limit – 45° kick out switch
- Multiple language decals
- Rear view camera
- Rims – double gutter
- Undercarriage protection – front belly pan, fuel tank skid plates
- Handheld fire extinguishers (2)

## Operator's cab
- Centered dashboard gauge panel in metric or imperial

## 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 platform
- Trolley capable

## Lighting
- Berm cornering lights (LED) – forward facing, superstructure mounted (DS and ODS)
- Fog lights (LED) – 4 x bumper mounted
- Grill illumination light (LED)
- 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
- Reverse light (LED) – off driver's side superstructure
- Truck ID light (blue LED) – diagonal staircase mounted

---

Subject to technical modifications. All comparisons and claims of performance are made with respect to the prior Liebherr model unless specifically stated.

**Liebherr-Mining Equipment Newport News Co.** • 4100 Chestnut Avenue, Newport News, VA • USA-23607
Phone: +1 (757) 245 5251 • www.liebherr.com • E-Mail: info.lme@liebherr.com • www.facebook.com/LiebherrMining