

DT1000 LARGE MINING DUMP TRUCK



Gross Vehicle Weight: 623,690 kg / 1,375,000 lb Payload Capacity: 363 metric tons / 400 short tons Engine Power: 2,610 kW / 3,500 hp

The DT1000 is equipped with a high-performance engine that meets the latest emission standards, designed for optimal performance and efficiency in demanding mining operations.

BUILT FOR PRODUCTIVITY AND RELIABILITY

The DT1000 is engineered for heavy-duty hauling in large-scale mining operations, offering exceptional payload capacity, reliability, and operational efficiency. It's designed to move more material at the lowest cost per ton.

KEY FEATURES

- 10% INCREASE IN PAYLOAD CAPACITY compared to previous model
- UP TO 7% IMPROVEMENT IN FUEL EFFICIENCY with advanced engine management system
- FUTURE-READY FOR AUTONOMOUS OPERATION
- UP TO 8% LOWER MAINTENANCE AND REPAIR COSTS
 - Extended service intervals
 - Improved accessibility for maintenance
 - Advanced onboard diagnostics
 - Modular design for easier component replacement
 - Continuous health monitoring system
 - Over-the-air software updates

THE RIGHT TRUCK FOR YOUR MINING OPERATION

Introduced in 2024, the DT1000 Large Mining Dump Truck is designed for the most demanding applications in large-scale open-pit mining operations. Its robust construction and advanced systems allow it to excel in various conditions, from extreme temperatures to high-altitude environments.

A PROVEN DESIGN PHILOSOPHY

The DT1000 follows a proven philosophy focusing on five main areas:

1. Maximize payload capacity and efficiency
2. Ensure reliability and durability in extreme conditions
3. Incorporate advanced technology for improved performance and safety
4. Optimize maintenance procedures for increased uptime
5. Enhance operator comfort and productivity

HIGH EFFICIENCY. OPTIMIZED FUEL CONSUMPTION.

The DT1000 features an advanced engine management system that optimizes power output and fuel consumption based on payload and haul road conditions. This results in up to 7% improvement in fuel efficiency compared to previous models, without compromising on performance.

PRODUCTIVE HAULING BEGINS WITH A PRODUCTIVE OPERATOR

The DT1000's cab is designed for comfort, safety, and productivity:

- Spacious ROPS/FOPS certified cab with advanced suspension system
- Ergonomically designed controls and touchscreen display
- Excellent visibility with large windows and multiple camera systems
- Advanced climate control system
- Reduced noise and vibration levels for decreased operator fatigue

CUTTING-EDGE TECHNOLOGY

The DT1000 is equipped with the latest technologies:

- Autonomous Ready: Prepared for integration with autonomous haulage systems
- Payload Management System: Real-time payload measurement and reporting
- Traction Control System: Optimizes wheel slip for various ground conditions
- Advanced Telematics: Comprehensive fleet management and health monitoring
- Collision Avoidance System: Uses radar and cameras to enhance operational safety

MINIMIZE DOWNTIME. MAXIMIZE PROFITABILITY.

The DT1000 is designed for easy maintenance and serviceability:

- Ground-level access to most service points
- Modular design for quick component replacement
- Advanced onboard diagnostics system
- Centralized lubrication systems
- Extended service intervals for key components

BODY OPTIONS AND CONFIGURATIONS

The DT1000 can be configured with various body options to suit different applications:

- Standard Body
- Coal Body
- Tailgate Body
- Dual-Slope Body
- Lined Bodies for Increased Wear Resistance

TECHNICAL SPECIFICATIONS

ENGINE

- Net Power (SAE J1349): 2,610 kW (3,500 hp)
- Number of Cylinders: 16
- Displacement: 78 L (4,766 in³)

WEIGHTS

- Gross Machine Operating Weight: 623,690 kg (1,375,000 lb)
- Chassis Weight: 260,690 kg (574,710 lb)
- Body Weight: 41,050 kg (90,500 lb)
- Net Payload Capacity: 363,000 kg (800,000 lb)

TRANSMISSION

- Type: Electric drive with AC motors
- Maximum Speed (Loaded): 64 km/h (40 mph)
- Gradeability (Loaded): 12%

BODY CAPACITY

- Struck: 180 m³ (235 yd³)
- Heaped (2:1 SAE): 252 m³ (330 yd³)

BRAKING SYSTEM

- Service: Oil-cooled, multiple disc brakes on all wheels
- Dynamic Retarding Power: 4,476 kW (6,000 hp)

TIRES

- Standard Tire Size: 59/80R63

DIMENSIONS

- Overall Length: 15.1 m (49 ft 6 in)
- Overall Width: 9.8 m (32 ft 2 in)
- Overall Height (Body Down): 7.7 m (25 ft 3 in)
- Loading Height (Body Down): 6.5 m (21 ft 4 in)

SERVICE REFILL CAPACITIES

- Fuel Tank: 4,922 L (1,300 gal)
- Cooling System: 1,115 L (294 gal)
- Engine Crankcase: 310 L (82 gal)
- Hydraulic Tank: 1,325 L (350 gal)

For more complete information on our products, dealer services, and industry solutions, visit our [website](#).

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