



WX04B

Battery-electric underground LHD



Setting new standards for efficiency, productivity and sustainability in underground mining operations

Komatsu's WX04B is a 4-tonne battery-electric load haul dump (LHD) purpose-built for narrow-vein hard rock applications. With ground-level battery change, zero underground diesel emissions and an onboard battery thermal management system (BTMS), the WX04B is engineered to help you move ore efficiently.

Quick specs

- **Tramming capacity:** 4,000 kg (8,800 lbs.)
- **Bucket volume:** 1.9 m³ (2.5 yd³)
- **Operating weight:** 17,500 kg (38,600 lbs.)
- **Power source:** Battery electric
- **Battery voltage and capacity:** 660 V, 165 kW/h
- **Dimensions:**
 - **Length (tramming):** 7,888 mm (311 in.)
 - **Width:** 1,778 mm (70 in.)
 - **Height:** 2,066 mm (81 in.)

Electrify your operations with this groundbreaking LHD

- Only machine in class with ground-level battery swap eliminates the need for complex infrastructure
- Best-in-class energy density which maximizes run time and productivity
- Advanced battery thermal management enables extended battery life in harsh underground conditions
- Zero underground diesel emissions prioritize operator health and help reduce ventilation costs
- Enhanced performance with best-in-class breakout force and speed on grade

Up to 6 hours run time on a single charge

Redefining the 4-tonne BEV market with the high-performance WX04B

Designed for narrow-vein underground hard rock mining, the WX04B builds on the proven WX04 platform to deliver battery-electric performance without complex underground lifting infrastructure for battery swapping. The result is a compact loader aimed at dependable tramming, efficient battery swaps and flexible deployment in new or existing headings.



Work efficiently and flexibly

Maximize uptime and enhance productivity with efficient ground-level battery swaps which eliminates the need to invest in complex infrastructure such as overhead cranes and rigging, increasing flexibility in your mining operations. The onboard tram battery enables hassle-free battery swaps without the requirement for external power.

Enhanced battery performance

The batteries are equipped with a battery thermal management system (BTMS) to help maintain proper battery temperature during storage and operation for maximized machine performance, battery life and reduced downtime. Typically, batteries can be recharged in under 2 hours.

Handle harsh conditions

Built for harsh environments, the battery modules maintain high performance even under extreme temperatures, intense shock and vibration, and in dusty environments. A durable double-hull structure and advanced cell monitoring help provide maximum protection and uptime.

Prioritize operator health and safety

Battery electric technology helps create a cleaner underground environment by eliminating diesel exhaust emissions. Battery electric machines reduce heat, noise, vibration as well as ventilation needs compared to diesel machines, lowering operating costs and boosting energy efficiency. Available with a standard ROPS/FOPS open canopy or optional enclosed, climate-controlled cab to meet your needs.

Benefit from Battery as a Service program

Lower capital costs and minimize maintenance with Komatsu's Battery as a Service program. Komatsu's expert technicians manage battery health, repairs and replacements so you can keep your operations running smoothly.

Discover how the WX04B can help elevate productivity and sustainability in your underground operation.

Connect with us today to learn more.

Product designs, specifications and/or data in this document are provided for informational purposes only and are not warranties of any kind. Product designs and/or specifications may be changed at any time without notice. The only warranties that apply to sales of products and services are Komatsu's standard written warranties, which will be furnished upon request.

Komatsu and other trademarks and service marks used herein are the property of Komatsu Ltd. or its subsidiaries, or the respective owners or licensees.

KOMATSU

[komatsu.com](https://www.komatsu.com)

