



ELECTRIFICATION IN LONGHOLE DRILLING

SANDVIK DL422iE



PRODUCTIVITY WITH ZERO EMISSIONS

Sandvik DL422iE is a fully automated, battery-powered top hammer longhole drill, designed for underground mass mining in 4 x 4 m or larger production drifts.

The drill is equipped with an electric driveline system including a battery package and electric motor for zero emissions while tramming for a safer working environment of the personnel underground.

Sandvik DL422iE features the latest technology in drilling automation, data management and tele-remote operation. Continuous and unmanned operation during shift changes and breaks combined with comprehensive data collection and transfer through wireless networks ensure improved equipment utilization and productivity.

Up to **10%***
more drilled meters per shift

SHORTER DRILLING CYCLE TIME

INCREASED PRODUCTIVITY

Up to **20%***
improved equipment utilization

0%*
diesel emission while tramming

IMPROVED WORKING
ENVIRONMENT

IMPROVED SAFETY

EQUIPPED WITH NEW COMFORTABLE SAFETY CABIN AS WELL AS MODERN USER INTERFACE, PROVIDING THE OPERATOR WITH:

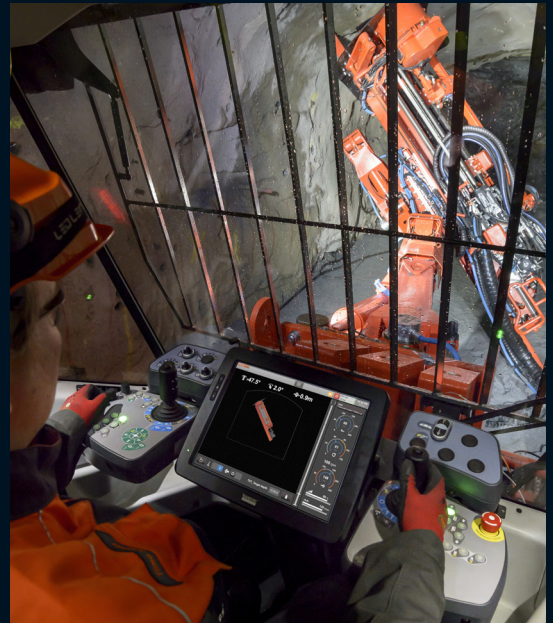
IMPROVED VISIBILITY IN DRILLING AND TRAMMING

OPEN AND SPACIOUS OPERATING ENVIRONMENT

SOUND PRESSURE LEVEL <75 DBA

ADJUSTABLE DRILLING CONTROL PANEL AND SEAT

USER EXPERIENCE MEETING THE OPERATOR REQUIREMENTS



HIGH LEVEL AUTOMATION

Sandvik DL422iE is delivered as standard with drilling automation package Platinum to meet drilling requirements in continuous and automated production drilling. The i-Class drilling control system with drilling automation package Platinum allows maximized productivity and good accuracy in drilling fans and parallel longholes.

The DL422iE can be delivered with automatic bit changer, making autonomous drilling of complete fans possible and work through shift changes. Teleremote drilling operation is available in the DL400i-series allowing units or fleets to be operated remotely for improving equipment utilization and efficiency in fleets.

The DL422iE has readiness for technology implementation during the lifetime of the product.

The DL422iE is equipped with the powerful 33 kW-class HF1560ST longhole rock drill, which is based on a proven concept in terms of drilling capacity, reliability and operating cost. The impact frequency of this rock drill is 40-45 Hz while the percussion dynamics is optimized for ST68 tubes. Optimal bit-rock contact for improved energy transfer and good stability in drilling is ensured with a stabilator.



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*Test results and calculations are to be considered as results reached under certain and controlled conditions. These test results and calculations should not be treated as specifications and Sandvik does not guarantee, warrant or represent the outcome of test results or calculations in any or all circumstances.