THE DIFFERENCE IS ELECTRIFYING

SANDVIK DD422iE

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EMISSION-FREE UNDERGROUND DEVELOPMENT

Awareness is growing about the potential health impacts of diesel particulate matter (DPM) and other underground engine emissions that also often dictate high mine ventilation costs. As regulations become stricter, you need a cleaner-energy drilling solution to address emissions challenges.

Sandvik DD422iE is the mining industry's first highly-automatic development jumbo with an electric driveline system, engineered to meet your needs for improved safety, increased productivity and reduced emissions. Sandvik DD422iE uses electric battery power instead of a diesel engine to eliminate emissions during tramming. Thanks to its revolutionary electric driveline system, our latest highly-automatic mining jumbo consumes no fuel and generates less heat and noise than conventional drivelines. The result is safer, healthier and more productive development drilling in your mine.

Sandvik DD422iE will help you to achieve optimum tunnel profile and dimensions in your underground development. Sandvik DD422iE performs precise, repeatable drilling procedures that can significantly reduce the amount of waste material produced, making your mining and development process more cost-efficient.

up to 20%

improved drilling performance through active power compensation*

* Test results and calculations are to be considered as results reached under certain and controlled test 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.

100%

reduced emissions compared to conventional diesel drills

ELECTRIC

By using electric energy from an onboard battery during tramming, Sandvik DD422iE produces zero emissions while maneuvering between headings. This improves health and safety for miners working underground, makes it easier to comply with increasingly strict emissions regulations and can potentially even cut costly ventilation requirements while also reducing associated diesel logistics and maintenance expenses.

The energy-efficient electric motor is quieter, generates less heat and emits no harmful DPM, NO_x and CO_2 particulates. An intelligent power management system helps improve drilling productivity even when underground electric power is limited. Coupled with its ability to charge its battery during drilling, Sandvik DD422iE maximizes utilization of mine electrical network.
The battery will even recharge as Sandvik DD422iE is tramming downhill by using energy generated by the braking system, so your jumbo will always be as charged as possible. Enabled with a multi-voltage compliant universal electric system that gives you freedom to move your drill from one mine site to another, the jumbo easily operates in different networks ranging from 380V – 1 000 V and both 50Hz and 60Hz.

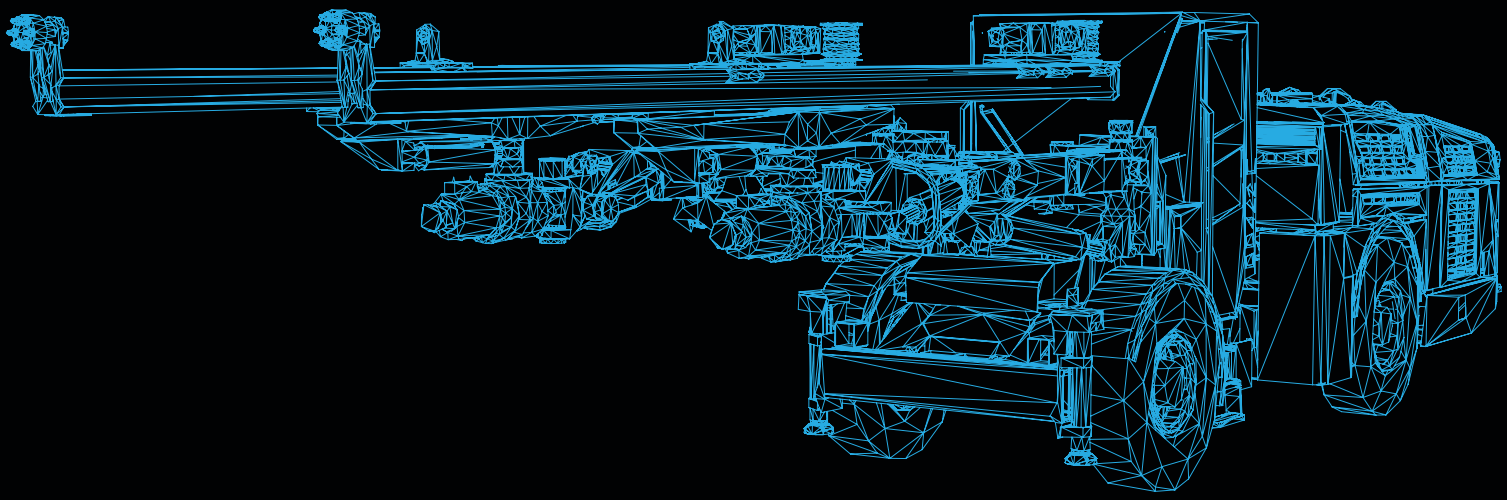
AUTOMATIC

As mines continue to develop deeper while commodity prices remain unstable, avoiding overbreak during face drilling becomes even more crucial. Automatic features we've engineered into Sandvik DD422iE, such as remote monitoring and a wide range of automation options, increase your drilling precision and productivity.

We've engineered Sandvik DD422iE for full compatibility with Sandvik AutoMine® Drilling and Sandvik OptiMine® Remote Monitoring systems. When you need automated or teleremote drilling and information management functions, Sandvik DD422iE is your solution. The jumbo is available in three automation configurations that can further help you reduce unnecessary waste rock excavation and save time, delivering greatly increased productivity while significantly reducing waste-handling costs.

ADD VALUES TO YOUR OPERATION WITH SANDVIK DD422iE

- Eliminate emissions to improve your underground working environment
- Reduce maintenance and fuel logistics costs, and potentially even ventilation requirements
- Maximize productivity with active power compensation
- Recharge battery during drilling so you don't pause production
- Improve operator ergonomics through increased visibility and reduced noise
- Save valuable setup time during each drilling cycle
- Optimize drilling by continuously analyzing overbreak and underbreak
- Operate virtually anywhere with multi-voltage compliant system



KEY SPECIFICATIONS

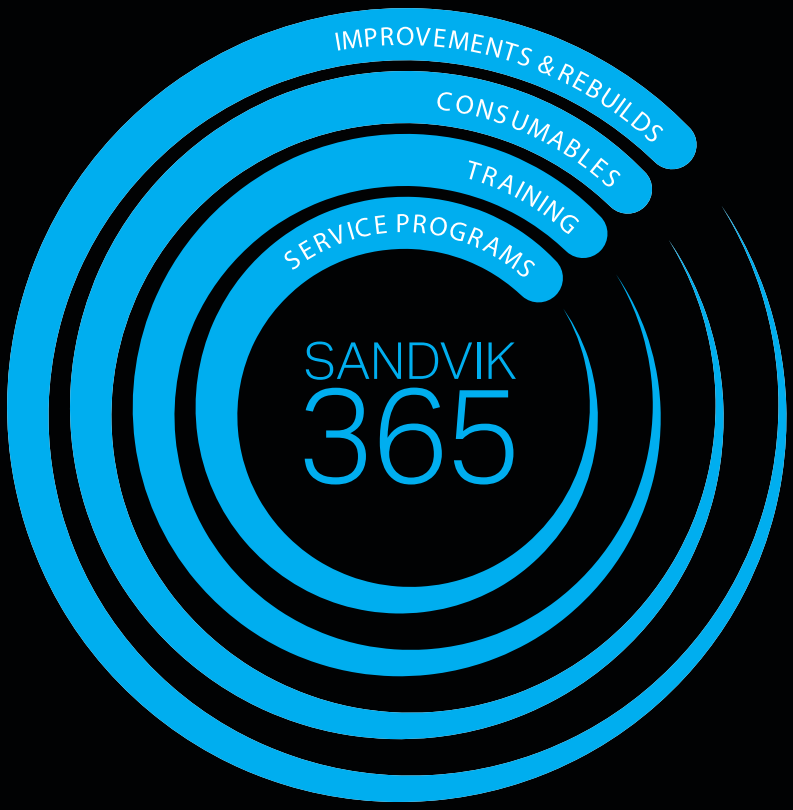
Height	3.05 m / 3.15 m
Width	2.50 m
Weight	27 500 kg
Drilling coverage	10.3 m x 6.6 m
Powerpack	1 x 160 kW
Rock drill	Sandvik RD525
Control system	Sandvik Intelligent Control System Architecture (SICA)
Automation levels	Silver / Gold / Platinum

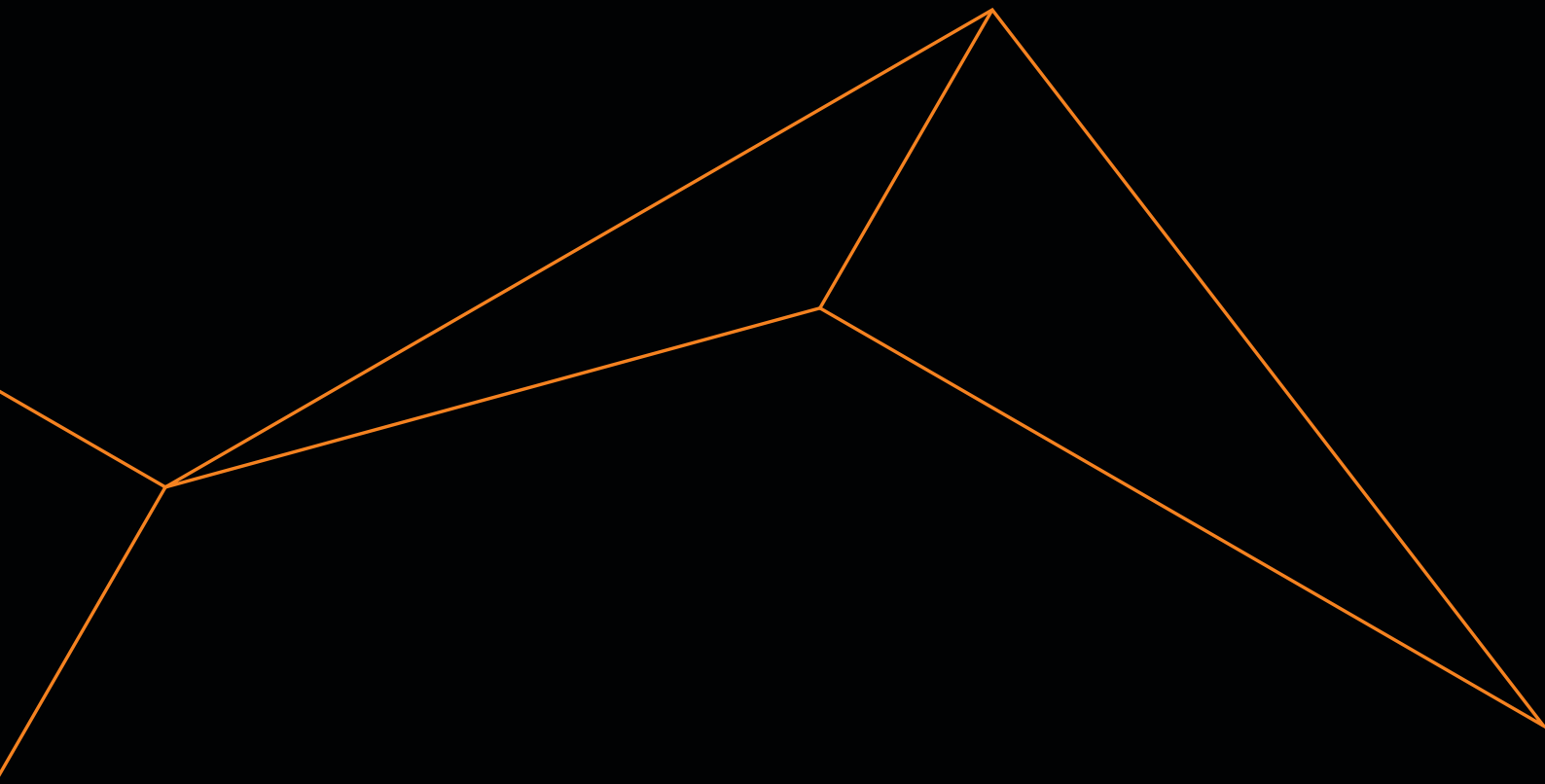
SANDVIK 365. PARTS AND SERVICE YOU CAN COUNT ON.

People tell you stories about quality, commitment and innovation. But for the real story, take a close look at the numbers. In an industry where an hour of downtime can cost thousands, Sandvik parts and services can save you millions, with round-the-clock service, qualified engineers and genuine parts on demand.

When you can predict your productivity, you predict profitability. Sandvik 365 is about optimizing performance every hour, 365 days a year. We not only supply industry-leading mining equipment, our comprehensive aftermarket offering includes service solutions to add even more value to your operation, and genuine parts to extend your equipment lifetime.

Our Sandvik 365 offer for Sandvik DD422iE includes maintenance agreements, battery rentals and the highest-quality OEM parts, rock tools and other consumables.





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