

PRESS RELEASE

Volvo CE introduces first electric machine for road segment

Volvo Construction Equipment (Volvo CE) is unveiling its latest addition to its growing portfolio of electric machines – and its first for the road segment – with the DD25 Electric asphalt compactor.



The DD25 Electric is a zero-exhaust emission compact double-drum asphalt compactor.

- The DD25 Electric will be unveiled at CONEXPO 2023 in Las Vegas, from March 14-18 – and is expected to be available on select markets from Q1 2024
- A compact double-drum asphalt compactor, the DD25 Electric is a zero-exhaust emission solution for small scale compaction projects including street repairs and patching, parking lots, driveways, municipalities and rental houses
- Its introduction is an important milestone in Volvo CE's journey toward electromobility and its ambition to build a more sustainable construction future

The Volvo DD25 Electric will make its debut at this year's CONEXPO trade show in Las Vegas. The newest addition to Volvo CE's lineup of electric machines, the DD25 Electric is the first Volvo CE produced electric machine designed specifically for the asphalt industry.

This latest innovation is an important milestone in Volvo CE's ambition to [reach net zero value chain greenhouse gas emissions by 2040](#) – as validated by the Science Based Targets initiative – and is part of Volvo Group's target to have at least [35% of its total range of vehicles fully electric by 2030](#).

Ray Gallant, Vice President Product Management and Productivity, at Volvo CE North America, says: "As a global leader in construction solutions, delivering premium products and services, we not only have a responsibility to reduce our carbon footprint, but we are committed to leading the way and providing real-life solutions for our customers that will help them meet their own sustainability goals. We are proud to expand our portfolio of electric machines and extend our offering to the road segment."



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Paving the way for zero emissions

The electric driveline of the DD25 Electric is based upon the same proven architecture and components found on Volvo CE's ECR25 Electric compact excavator and L25 Electric compact wheel loader - the first electric machines available for the construction market, launched in 2020 - which are proving a success in a variety of different applications and markets across the globe.

Its zero-emission operation makes the DD25 Electric ideal for sensitive or urban environments with strict emission regulations and for organizations who are looking to meet their own sustainability goals. Zero tailpipe emissions also mean a cleaner and more enjoyable work environment for operators, site teams and passers-by. If used alongside other electric powered equipment, [such as the Volvo EC18 Electric, ECR18 Electric and the ECR25 Electric compact excavators, the larger EC230 Electric excavator, or the L25](#)

[Electric and L20 Electric compact wheel loaders](#), the DD25 Electric offers the opportunity for a zero-emission workplace.

Expected to operate for a full shift on a single charge depending upon the type of job and intensity of the work cycle, the DD25 Electric has the same charging solutions as its forerunners the ECR25 Electric and L25 Electric, allowing customers to choose the right solution depending on their operational requirements. The machine comes with an integrated on-board charger which enables charging from 0 to 100% in as little as three hours depending on AC power level. With an optional off-board DC fast charger this can be achieved in little over an hour, and this also offers a practical solution to top-up the machine's charge during the lunch break.



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High performing

Combining the proven Volvo Asphalt Compactor platform with battery power, the DD25 Electric offers 24 kW of available power, 30% more than the conventional Volvo DD25B. The result is a more responsive machine in terms of speed and vibrations, which performs better on grade, thanks to the size of its components, and better at high elevations, when compared to a diesel machine which loses power as you increase altitude.

360-degree visibility and high frequency compaction allow operators to achieve a smooth finish asphalt surface with speed. Frequency can be adjusted from 3500 vpm / 55 Hz to 4000 vpm / 67 Hz to cater for different applications.

And with no engine to service - and electric components, batteries and motors all maintenance free, maintenance requirements are reduced too, saving customers time and money.

V O L V O

With the introduction of this latest electric machine, Volvo CE continues to lead the way with products and solutions to help its customers reduce their total cost of ownership and carbon footprint, while meeting its own sustainability goals.

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Volvo Construction Equipment (Volvo CE) is a global leader in construction solutions, delivering premium products and services that combine power and performance with a more sustainable way of working. We are a company driven by people and together we have a purpose: To build the world we want to live in. Founded in 1832 and with a distribution network across every major market, our many dedicated experts around the world are fulfilling our shared purpose through a focus on sustainability, electromobility and services. As well as our expanding range of electric machines and charging solutions, Volvo CE provides industry-leading haulers, loaders, excavators and much more, all built to suit the demands of our customers' varied construction and infrastructure needs. Volvo CE benefits from being connected to the Volvo Group, which also offers trucks, buses, power solutions for marine and industrial applications, financing and services that increase our customers' uptime and productivity. Through its holistic perspective, Volvo Group is committed to shaping the future landscape of sustainable transport and infrastructure solutions. For further company information and to explore our values further please visit www.volvoce.com