

PRESSRELEASE

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DYNAPAC CC900 e & CC1000 e electric rollers Charge and take charge

As part of our environmental accountability and commitment to helping businesses reach their sustainability goals, Dynapac is preparing to start a full serial production of electric rollers by the end of 2022. Field validation tests conducted between 2021 and 2022 in Sweden, Norway, the Netherlands, and England have shown the enormous potential this new generation of powerful rollers offers.

Compact yet colossal

The introduction of the CC900 e and CC1000 e, sets a clear course on Dynapac's path to offering more sustainable rollers with all the power and performance of their diesel counterparts. Both rollers come with all the well-known advantages electrically powered vehicles bring with them such as increased cost savings, fewer moving parts, and maintenance - while offering a powerful battery capable of completing a full day of operation without recharging. The CC900 e and CC1000 e also deliver the same static linear load, amplitude, gradeability, and travel speed as the diesel-powered models on which they are based, with no compromise on productivity or job site performance.

A battery built to last

A typical "day in the life of a 1.6-ton roller" normally consists of repair work with hand-laying from a "spreader" or sometimes following a small-sized paver on sidewalks/ bicycle lines. This comes out to a compaction of about 70 – 80 tons of asphalt per day at a layer thickness of 40 – 50 mm. In terms of area, this is roughly about 700 m². Based on experience, this guarantees that the battery will last for a full day of work. In 90% of the cases, about 20 - 30% of the battery level was left after the workday was over.

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Quick & easy charging

With the fast charger, 400 Volt / 3-phase system it takes 1,3 hours to reach 80% charging level. The 230 volt/ 1-phase charger needs 6 hours to reach 80% of its charging capacity. Dynapac is additionally planning to provide adapters making it possible to also use standard car-charging stations.

Crafted with a conscience

Both rollers in this segment are primarily used in road repair work and are intermittently used. With conventional diesel motors, this means that they are often left idling while the asphalt is raked into position. After compaction, the machines travel to the next repair site where they are also left idling for extended periods. With a standard diesel-powered machine, a great deal of energy and money is wasted, let alone the negative environmental impact caused by emissions. Because an electric roller doesn't idle when not in use, the energy consumption is zero. Additionally, both models are significantly quieter than conventional ones which is significant because rollers of this size and class tend to work in urban areas where there is a need to minimize noise and emissions.

Less parts – more advantages

As with any electric vehicle, the significant reduction of moving parts ensures less costly maintenance caused by daily wear & tear. Expensive maintenance such as engine oil and filter changes, as well as the refilling of coolant liquids, is no longer an issue.

The same only different

When given the opportunity to test and operate the CC900 e and CC1000 e, roller operators reacted very positively. Because both electric rollers are based on the diesel-driven roller, there was a great deal of familiarity. The exact same interface and feeling in terms of handling meant that the amount of new learning necessary was almost non-existent. Benefits that they particularly enjoyed included lower noise levels, no exhaust fumes, fewer daily maintenance points, and being easy to understand and operate.

Dynapac is a leading supplier of high-tech soil and asphalt rollers, light equipment, and pavers committed to strengthening customer performance by being a partner on the road ahead. Dynapac is represented worldwide via its regional sales- and service offices and cooperates with an extensive and professional distribution network. Headquartered in Wardenburg, Germany, Dynapac has production facilities in Europe, South America and Asia. Dynapac is part of the FAYAT Group.