

DYNAPAC

ASPHALT ROLLERS EMISSION-FREE

CC900 e - CC1000 e





ELECTRIC ASPHALT ROLLERS

CHARGE AND TAKE CHARGE



Fully electric-hydraulic driven emission free rollers

Battery capacity for more than a full day

Serial connected drive motors and big drum diameters for best traction

High vibration frequency compaction

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 NEW PERSPECTIVE ON COMPACTION

BRINGS THE COMPACTION QUALITY TO A NEW LEVEL

BATTERY CAPACITY FOR A FULL DAY OF WORK

The battery has a capacity of 14,8 kWh. In terms of working hours that means 8-10 hours of work for a roller of this size.

NO EXHAUST FUMES WHEN IN OPERATION

Both the CC900 e - CC1000 e are emission- and fume-free, making them ideal for compaction - even indoors.

EFFICIENT WATER SYSTEM WITH LARGE WATER TANK

All Dynapac's small tandem rollers are equipped with a three-step water filter system, plus an efficient sprinkler system for the lowest possible water consumption.

HIGH VIBRATION FREQUENCY & SERIAL CONNECTED DRIVE MOTORS

The high-vibration frequency helps reach optimal compaction and avoid asphalt rippling. Thanks to the serial-connected drive motors, the two drums always drive at the same speed.



DYN@LINK MONITORING SYSTEM

The Dyn@Link monitoring system for all-electric small rollers is standard and includes both basic functions and more sophisticated data for evaluation.

DYNAPAC'S PREPARATION SYSTEM PAVECOMP

A large roller can come with as many challenges as a small one. With PaveComp, operators simply select the optimal asphalt roller regarding weight and drum width.



SEVERAL ALTERNATIVES FOR CHARGING

The most common way to charge is with the 120/230 volt, 1-phase, 50/60 Hz, which charges the battery from 20% to 80% in 6 hours. With the 400 volts 3-phase charger, it only takes 1.3 hours.

REDUCED AND EASY TO REACH SERVICE POINTS

All our electric rollers come with long service intervals and reduced service points for more productivity across an entire working season. Due to fewer moving parts than conventional rollers, they also come with much less maintenance.

WANT TO FIND OUT MORE?

Go to Dynapac Product Information and scan the QR code to enter the Z.ERA product site.



Z.ERA
FOR AN EMISSION FREE WORLD



JOB SITE CONFIDENCE

Keep your team confident and healthy while on the job site. Ensure optimal working safety, ergonomics, and easy-to-use operating systems.



HIGH PRODUCTIVITY

Increase the productivity of your job sites through efficient paving and compaction operation. Reduce doentime on the job site.



MAXIMUM UPTIME

A machine has to run to make money! Minimize non-productive times and avoid unscheduled break-downs.



LOW COST OF OWNERSHIP

Improve the overall profitability of your investment by reducing machine operating costs, while maintaining a high equipment value.



HIGH-QUALITY RESULTS

Avoid penalties and rework! Optimize paving and compaction job quality.



ENVIRONMENT / SUSTAINABILITY

Show your environmental commitment and social responsibility while collecting tenders that require low CO2 and noise emissions.



THE FUTURE OF ELECTRICALLY DRIVEN APPLICATIONS

FOR AN EMISSION-FREE WORLD

Z.ERA

DYNAPAC'S ROLE IN LEADING OUR INDUSTRY TO AN CARBON-NEUTRAL FUTURE

The **Z.ERA program** at Dynapac is helping accelerate our continual push towards an emission-free workplace. This can be seen in the investment and further refinement of alternative fuels such as battery-driven engines and hydrogen power solutions.

The initial phase of the program has focused on offering a product portfolio that is optimally suited for inner-city environment applications such as smaller road assignments like bicycle lanes and repair works. Among the many benefits of alternative, energy-powered pavers compared to their diesel counterparts are reduced carbon footprints, more savings resulting from diminished operational costs, and less wear & tear due to fewer fluids and moving parts.

Additionally, operator comfort is heightened with lower noise levels and no exhaust fumes.

As a company committed to innovation and fostering beneficial change, we are helping play an important role in the transition to an emission-free future. Our **Z.ERA program** will assist in leading the way with its first focus on inner-city work sites.

At Dynapac, we believe this transformation starts with replacing combustion engine power packs with robust and reliable battery technology. Based on customer's reliance on a full day's worth of performance, and available technology, we began with machines designed for city and repair work which all had shorter operating times. Today, this innovative portfolio includes an Electric Citypaver SD1800W e and Electric double drum asphalt rollers CC900 e/ CC1000 e and several electric-driven solutions for light compaction applications.

Dynapac is a leading supplier of high-tech soil and asphalt rollers, light equipment, and pavers. We're committed to strengthening customer performance by being the reliable and innovative go-to 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**.



Paul Hense, President



TECHNICAL DATA

ELECTRIC ASPHALT ROLLERS

Technical Data	CC900 e	CC1000 e
Masses		
Max. operating mass	1755 kg	1840 kg
Operating mass (incl. ROPS)	1690 kg	1775 kg
Module mass (front/rear)	825 kg/865 kg	865 kg/910 kg
Traction		
Speed range (Dual/TC/AS)	0-9 km/h	0-9 km/h
Vertical oscillation	± 13°	± 13°
MOTOR		
Electric motor drive and steering	Permanent magnet, 10 kW @ 2700 rpm	Permanent magnet, 10 kW @ 2700 rpm
Electric motor vibration	Permanent magnet, 8,5 kW @ 2550 rpm	Permanent magnet, 8,5 kW @ 2550 rpm
Battery		
Battery type	Lithium-ion	Lithium-ion
Battery voltage	48 Volt	48 Volt
Capacity	14,8 kWh	14,8 kWh
Charging time 20 % - 80 % 1 phase 230 Volt	6 h	6 h
Charging time 20 % - 80 % 3 phase 400 Volt	1,3 h	1,3 h
COMPACTION		
Static linear load (front/rear)	9.2/9.6 kg/cm	8.7/9.1 kg/cm
Vibration frequency	60 Hz	60 Hz
Water tank	105 l	105 l
Amplitude	0.4 mm	0.4 mm
Centrifugal force	13.6 kN	13.6 kN