

DYNAPAC

CC2200 VI – CC3800 VI & CO2200 VI

TANDEM ASPHALT ROLLERS





TANDEM ASPHALT ROLLERS

EXCELLENT
COMPACTION
QUALITY



Fast, effective compaction
Optimised driving position,
excellent visibility
Simpler controls, more
intelligent machine

Dynapac's double drum asphalt roller range features everything from the most compact equipment for repair jobs to large machines for the biggest sites with selectable alternatives like Seismic system, high frequency vibration and oscillation.

Vibration dampened platforms, swivel seats plus optional full seat rotation for better visibility, logically sorted controls, and Roll Over-protective Structures (ROPS) all contribute to the manoeuvrability, operator's ergonomics and safety.

DYNAPAC SEISMIC DOES IT DIFFERENTLY

SEISMIC

A SEISMIC SHIFT IN COMPACTION

- Reduce energy consumption
- Lifetime fuel consumption reduction by approx. 8%
- Lower noise levels due to frequency adjustment

The intelligent SEISMIC system improves compaction performance significantly compared to conventional compaction carried out at fixed frequency. SEISMIC automatically detects the optimum compaction frequency and continuously adjusts accordingly every 0,2 seconds. Thanks to the SEISMIC system, Dynapac can offer an overall reduction of passes, which varies based on application. Fuel consumption is decreased as the required energy for optimized compaction is 30% lower over the course of a day due to vibration frequency constantly being adjusted. A saving in fuel consumption of approximately 8% can be achieved over the lifetime of the machine when used in combination with ECO-mode, providing lower running costs, while sparing the environment.

INNOVATIVE TECHNOLOGY

SEISMIC DOES IT DIFFERENTLY

Conventional vibratory compactors deliver a rapid succession of impacts to the surface of the asphalt at a frequency that is pre-set at either a high or low amplitude or at a frequency that is adjusted manually. Dynapac Seismic does it differently. Since the drum and the asphalt act as one dynamic system, several benefits can be found from the system's natural frequency.

At the natural frequency, the drum amplitude is enhanced significantly, since energy is automatically fed to the system at exactly the right time. This, in turn, maximizes the contact force between the drum and the surface layer, yielding maximized compaction and energy efficiency. The best compaction parameters guarantee an optimal output. A machine that can determine the asphalt's characteristics with regards to stiffness plus temperature and then automatically interact with them, will make the world of difference in compaction.



SEISMIC INNOVATION BY DYNAPAC



A NEW PERSPECTIVE ON COMPACTION

BRINGS THE COMPACTION QUALITY TO A NEW LEVEL

SAVE FUEL WITH SEISMIC SYSTEM AND ECO MODE

The Seismic system lowers the fuel consumption with more than 8% and also gives an essential process noise reduction.

With ECO Mode enabled, the engine rpm is adjusted to be as low as possible while still maintaining the necessary power required for the vibration and propulsion.

INCREASE FRICTION FROM THE START

To increase the surface friction on freshly laid asphalt, a chip spreader can be used in tandem with the roller during the compaction process.

ELIMINATE BOWS AND CRACKS IN THE ASPHALT

Dynapac's Electric Drive Control system assists for smooth starting and stopping in order to prevent bowing and cracking in the asphalt layers. It allows for the max speed to be set from the start to prevent over-speeding and reduce the risk of rippling while also avoiding losing efficiency due to under-speeding, dampening.

MAINTAIN COMFORT WHILE IN OPERATION

The operator will be in a good climate with our Comfort Cab, which has automatic climate control and floor heating to combat any outside conditions. The operator's surroundings in our Comfort Cab are further complemented by a luxury seat, a blue-tooth radio, and two charger sockets, one 24 V and one 12 V

INCREASE DRUM VISIBILITY

The asymmetric cabin allows for the operator to slide to the right beyond width of the drum.



CONTINUOUS JOBSITE MANAGEMENT

Dyn@Lyzer continuously measures the stiffness of the compacted area and records the number of passes. This data is constantly visible for the operator on the machine and can also be monitored from the office.

MANAGE YOUR FLEET WITH DYN@LINK

Increase the profitability of your business by using Dyn@Link. Quickly identify underperforming equipment, maximize uptime with perfectly scheduled maintenance and in case of a breakdown get machines operating again as quickly as possible.



MINIMIZE STOPS WITH EFFICIENT SPRINKLER SYSTEM

Dynapac's VI Generation Rollers are equipped with a large water tanks and a complete back-up of the sprinkler system to limit the amount of stops for refilling.

ALL-AROUND VISIBILITY

Dynapac provides excellent visibility to the operator with seat that rotates 180° and slides across the full width of the cabin, while the operator stays in control of all functions as the full operation module moves Along with the seat. Visibility can be further enhanced with optional rear-view mirrors mounted either side of the front drum as well as a 255° full rotation seat.



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 downtime on the job site.



MAXIMUM UPTIME

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



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.



LOW COST OF OWNERSHIP

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

SEVERAL COMPACTION ALTERNATIVES

The standard drums have the capability to alternate between high amplitude with low vibration frequency and low amplitude with high frequency depending on project requirements. The split drums facilitates the work for the operator in roundabouts and tight turns minimizing the risk of shoveling the asphalt or making cracks. Oscillation works well for compaction on thin asphalt layers and joints as well as being the recommended solution for compaction on bridges.

CONFIGURE YOUR DRUM TO YOUR NEEDS

To improve the stability of the outer edge of the asphalt mat and prevent water from penetrating into the mat, an edge presser can be added on the fork at the edge of the drum. Additionally, edge pressers can be utilized to improve the joint between two layers by compacting before jointing. Additionally, a joint cutter can be mounted on the fork at the edge of the drum to improve the edge because often the furthest edges are poor quality due to segregation.

COMPACTION ESSENTIALS

MACHINE TYPES



STANDARD DRUMS

The standard drums have the capability to alternate between high amplitude with low vibration frequency and low amplitude with high frequency depending on project requirements.



OSCILLATION DRUMS

Oscillation works well for compaction on thin asphalt layers and joints as well as being the recommended solution for compaction on bridges, joints and near to buildings.



COMBI

Rubber tyred wheels replace the rear drum to achieve a more sealed surface with a different texture to the material.



SPLIT DRUMS

Split drums facilitates the work for the operator in roundabouts and tight turns minimizing the risk of shoveling the asphalt or making cracks.

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Dynapac
TANDEM ASPHALT ROLLERS

DISPLAY



FULL COLOR 7 INCHES - EASY TO UNDERSTAND

Full color 7 inches (180 mm) display with all vital working and compaction information from the "Home" display. The display is a touch screen type but can also be worked from the display controller.

Even though a touch screen is very practical it could sometimes be useful to have a display controller as an alternative especially if you are working with hand gloves.

ENGINES



ENGINE COMPARTMENT - LEFT SIDE

A mixture of dynamic controlled pumps and an optimized hydraulic routing ensures to use as little energy as possible within the drive train.

ENGINE COMPARTMENT - RIGHT SIDE

Highest traction even at the largest widths.

FULL SEAT ROTATION



NO FORWARD OR REVERSE LIMITATIONS

- An asphalt roller is working as much forwards as backwards. Full seat rotation wipes out the limitations of defined forward and reverse directions
- Steering and F&R lever functions change in a logical and safe way
- Full visibility of the left side rear drum mounted edge presser/ cutter
- Sliding from side to side gives the very best drum edge visibility on each side.

MONITORING TOOLS



FOR DOCUMENTATION

Dyn@Lyzer continuously measures the stiffness, the asphalt temperature and records of the compacted area and records the number of passes. This data is constantly visible for the operator on the machine and can also be monitored from the office.

Your satisfaction is key. We offer various options and best-in-class features.
We are your partner on the road ahead.

ASYMMETRIC CAB



VISIBILITY

Drum edge visibility is essential when driving a tandem roller on asphalt and with the asymmetric cab, it allows the operator to have excellent visibility by having the right side further out than the drum edge, preventing the need to lean out through the windows.

ERGONOMICS

The asymmetric design makes it possible for the operator to stay within the cab in a good ergonomic position not putting unnecessary stress to back and neck.

LOW NOISE CAB WITH GOOD CLIMATE

Dynapac's cabs are well known good climate and plenty of space. The asymmetric design makes it possible to stay in the cab protected from the weather conditions and be able to enjoy the good climate and low noise.

BUILD-IN SAFETY



WIDE STEPS AND STEP LIGHTS

The stairs to platform might seem insignificant, but the risk of hurting yourself by twisting a foot etc. is quite high. Therefore, we have chosen wide, anti-slip steps. Lights for the steps makes entrance safer during night work.

OFF-SET SYTEM



OFF-SET STANDARD USAGE

Remove one drum edge when compacting close to curbstones minimizing the risk of pushing the stone when steering near the stone.

DYNAPAC'S OFF-SET SYSTEM

The combination of articulated steering and steerable front drum giving a large off-set of more than 300 mm makes it possible too:

- Move the mass inwards the road when compacting on weak road edges
- Increase the surface capacity when doing the last passes to remove marks in the mat
- Minimize the turning radius by steering the offset drum and hitch in the same direction.

DYNAPAC SEISMIC



A SEISMIC SHIFT IN COMPACTION

Seismic automatically detects the frequency of the asphalt characteristics, and continuously adjusts to the natural frequency of drum, resulting in reduction of energy required to perform optimized compaction by 30%. This leads to cost savings in fuel consumption (of approx. 8% when used in combination with ECO Mode) while providing additional savings by reducing the number of passes depending on the application.

- Lifetime fuel consumption reduction by approx. 8%
- Lower noise levels due to frequency adjustment

WANT TO FIND OUT MORE?

Get to Dynapac Product Information: Scan the QR code to enter the Dynapac rollers product site.





COST CONTROL THAT SAVES BIG

Being active in the Road Construction business requires considerable investment. Every square meter involves an operational cost composed of fixed costs such as interest on equipment acquired, labor costs, insurance and equipment depreciation, but also variable costs such as expenses for fuel, wear and maintenance.

SERVICE COMMITTED TO YOUR FUTURE

GENUINE PARTS AND KITS

- Preventive maintenance kits
- Genuine Filters
- Fluids and lubricants
- Wear and repair kits
- Upgrade Kits

SERVICE

- Right competence
- Training program
- Inspection & service program
- Extended Warranty & Service Agreement

CONSUMABLES

- Road Milling Tools (bits)

PREVENT THE COST OF A BREAKDOWN

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.

Equipment breakdowns have a direct impact on your productivity. No production means no revenue, but the fixed costs stay the same, resulting in lower profitability. By avoiding breakdowns and increasing the reliability of your machine, you will be able to produce more per year, which will immediately improve your profitability.

PREVENTIVE MAINTENANCE KITS

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.

Equipment breakdowns have a direct impact on your productivity. Preventative maintenance is the only way to ensure that your machine sustains its productivity throughout the working season. To optimize this productivity, your preventative maintenance needs to be planned either ahead of the working season or as your machine approaches specific intervals for servicing. To assist with maintaining your machines, Dynapac offers preventative maintenance kits so that you can have all that is need for each service interval in one place.





TECHNICAL DATA

TANDEM ASPHALT ROLLERS

MODELL	OPERATING MASS, KG	DRUM WIDTH, MM	MODULE MASS, KG (FRONT/ REAR)	STATIC LINEAR LOAD, KG/CM (FRONT/REAR)	NOMINAL AMPLITUDE, MM / VIBRATION FREQUENCY, HZ	ENGINE (STAGE/TIER)
CC2200 VI	7900	1500	4100/3800	27.3/25.3	0.7/0.3 / 47/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC2200 VI Combi	7500	1500	4000/3500	26.7	0.7/0.3 / 47/67	Deutz TD 3.6HT (Stage VT/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC2300 VI	8100	1500	4200/3900	28.0/26.0	0.6/0.3 / 44/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC2300 VI Combi	7600	1500	4100/3500	27.3	0.6/0.3 / 44/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC3200 VI	8300	1680	4300/4000	25.6/23.8	0.7/0.3 / 45/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC3200 VI Combi	7800	1680	4200/3600	25.0	0.7/0.3 / 45/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC3300 VI	8500	1680	4400/4100	26.2/24.4	0.6/0.3 / 47/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
C3300 VI Combi	7900	1680	4300/3600	25.6	0.6/0.3 / 47/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC3800 VI	9000	1680	4700/4300	28.0/25.6	0.7/0.3 / 48/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CC3800H VI	9850	1680	5100/4750	30.4/28.3	0.7/0.3 / 48/67	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)
CO2200 VI	8000	1500	4100/3900	27.3/26.0	0.7/0.3 - 1.4 / 47/67 - 40	Deutz TD 3.6HT (Stage V/T4f) / Cummins QSB 3.3 (Stage IIIA/T3)