

Dynapac Tandem Asphalt Rollers



Dynapac CC2200 / CC2300 / CC3200 / CC3300 / CC3800
CC4200 / CC5200 / CC6200
CC2200C / CC2300C / CC3200C / CC3300C CC4200C / CC5200C

Sustainable Productivity

Atlas Copco

TOP DYNAPAC QUALITY

Our tandem rollers are designed with efficiency in mind - application efficiency, operator efficiency, compaction control efficiency and service efficiency. Performance, visibility, operators comfort, compaction control and serviceability for the CC line will appeal to owners, operators and service crews. The environmental benefits appeal to everyone.

All models have high frequency vibration as standard.

Efficiency in m

Top quality results

With the Dynapac rollers you achieve high quality surface finishes through operational features such as soft starting and stopping to prevent unevenness or cracking in the asphalt layers. This allows even an unskilled operator to start and stop without leaving marks. In a panic situation, the machine will drop out of the soft mode and brake immediately, signalling the need for an emergency stop.

Highest availability

There is a number of features to the CC rollers to make servicing quick and easy, ensuring maximum uptime.

The use of a double pump vibration system eliminates the need for a vibration valve, making the system more efficient, aiding servicing and reducing fuel consumption. Both pumps – one for the front drum and one for the rear – can simply be shut off.

With a volume of 200 gal for the CC2200 - CC3300, 240 gal for CC4200 and as much as 370 gal as an option for CC5200 - 6200, it gives ample water resources.

The operator in control

One way of achieving high quality compaction is to optimise the ergonomics, ensuring that operators have continuous visibility of the operation and comfortable access to the controls. The corrosion-free water tank is mounted in the front frame. This helps the rollers feature 3.2 x 3.2 ft view and full visibility of all working functions.

You can tailor your roller to local conditions, including operator's platform with ROPS, ROPS cab, aircondition etc.

*Experience is the base of excellence.
Dynapac will always help you to
reach perfection.*



OPERATOR FOCUS



ENGINE



COMPACTION



VIBRATIONS



SERVICEABILITY

ind



UNIQUE CHARACTERISTICS



Control panel with valuable information

The clear LCD control panel gives operators the information they need. All the gauges are displayed and the operator can change between menus at the touch of a button.

Further information about compaction results and guidance can be provided through the optional DCA-A system.

Compacts any type of asphalt mix

With high frequency/low amplitude for thin layers and high amplitude for thick layers the machines are versatile and will efficiently compact any type of asphalt mix. Thin layers with high stone content cool off quickly and need to be compacted fast, but use of a high amplitude risks crushing the aggregate. Dynapac recommends a high frequency and lower amplitude.

Steering system with flexibility

All machines can be equipped with the optional offset drum (split drum and combi rollers have off-set as standard.) This in combination with the asymmetric cab make the machines very easy to operate.

Powerful engine

The new models are powered by Cummins QSB 3.3, QSB 4.5 or Deutz TCD3.6, T4i engines.

Dynapac's automatic engine idling system together with a highly efficient hydraulic system makes fuel consumption low and efficient.

Infinite adjustable maximum speed is standard.



Outstanding operator comfort

We have equipped the machines with slideable and turnable seat and steering module for best ergonomics. The engine is placed on the rear module with less heat and noise for the operator. The very low vibration level on the operator's platform also adds to the comfort of the operator.

“The noise level is very low, enabling long working days without fatigue.”



Your vision is our mission

Visibility is one of the most important issues for making an asphalt roller efficient and safe to operate. Therefore the machines have full visibility of drum edges, drum surfaces and sprinkler nozzles. The 4-post ROPS and 3.2 x 3.2 ft visibility also reduces obstruction both forward/backward and sideways.

Environmental thinking all the way

Environmental benefits are achieved through reduced fuel consumption and quieter operation. Efficiency enhancements have saved up to 11 hp in the operation of a typical model in the range, with consequent improvements in the running costs and noise. Additional fuel savings up to 20% is achieved through our unique “ECO Mode” concept.

Biodegradable hydraulic fluid is optional. The automatic idling system keep exhaust emission on a low level.

Easy maintenance in every detail

Daily service points are few and easily accessible. The position of the engine on the rear module and the large, easy to-open engine hoods contribute to easy and fast service.

The service info displayed directly on the drivers LCD also facilitates service jobs. With maintenance free steering hitch and steering cylinder, very few grease nipples are found on these machines. At the same time, the periods between servicing have been extended. Corrosion-free water tank and sprinkler tubes, in combination with easily accessible filters, ensure reliability and easy maintenance.

Hydraulic hoses can be replaced in individual segments, avoiding the need to fit a full length. Drum shock absorbers also benefit from easy replacement – there is no need to remove the forks or the drums.



ATTENTION TO DETAILS - THE BASE OF PERFECTION

All Dynapac rollers benefit from solid experience, proven concepts – and advanced technology research. And when we introduce a line-up of new features, our first concern is real-life improvements for our users. Easy handling and servicing, and a clear focus on lasting performance.

180 degrees

The swiveling operator's module allow a 180° turn of seat, instruments and levers in order to keep the operator in full control.

Visibility

The unique design ensures full visibility of drum surfaces, sprinkler nozzles and drum edges.

Compaction data

Compaction data that make the machine versatile. A wide frequency and amplitude range provides optimization for any layer thickness.

Back-up sprinkler system

Back-up sprinkler system means less breaks for cleaning of nozzles and includes a backup sprinkler pump.

Offset drum

The unique offset drum and articulated steering give supreme maneuverability.

Water capacity

Large water capacity i
operating time between
breaks.



Easy nightwork

Night work is easy. Experience the difference with Night Working Kit with drum edge light, drum surface light and snake light for the operator.

DCA-A

Optional DCA-A helps you do a perfect job.

Operator platform

Open platform, ROPS and two different cab types are available as option, always with the sliding and swiveling operator's module.

Split drum roller

Dynapac offers rollers with split drums. This makes operating easier in confined spaces and reduces the risk of cracks in the asphalt.

Low emissions

The fuel efficient Stage IIIB / T4i engines with optional ECO-mode achieve up to 20% reduction in fuel consumption.

Service friendly

Service-friendly, roomy engine compartment. The location on the rear module reduces noise and heat for the operator.

Steering hitch

Heavy-duty maintenance-free steering hitch high mounted to allow trouble-free access for engine and water tank maintenance.

Increases
on water refill

Combination rollers

All rollers from CC2200 up to CC5200 can be ordered in Combi versions (with exception for CC3800) to further improve top layer texture. The Combi module is placed rear and is combined with offset steering. Standard equipment includes emulsion sprinkler system, handles and footsteps for tank filling, quick-release of scrapers and cocoa mats for easy cleaning. Heat covers are available as option. Rubber coated drum is available as an option for CC2200C.

Compact power engine

Diesel engines fullfilling Stage IIIB/T4i offers impressive power reserves and significant operation benefits. Easy cold starting, low noise, rapid diagnostics and faster load acceptance are just some of them.

ECO-mode for up to 20% reduction in fuel consumption is available as option.

**Joint cutting disc**

The edge press strengthens the asphalt edge, and can also be equipped with the joint cutting disc for asphalt edge trimming prior to jointing.

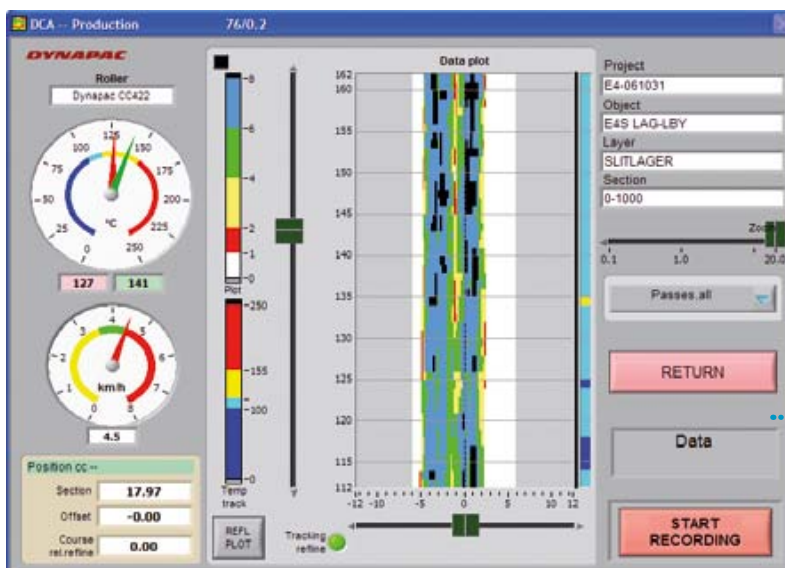
DYNAPAC COMPACTION ANALYZER



Dynapac Compaction Analyzer

Compaction is precision work. In order to reach the right density and obtain the right surface texture, a series of parameters must be monitored. By using the Dynapac DCA-A compaction analyzer this delicate task becomes a lot easier. Graphic, real-time display of temperature and number of passes, plus the support of GPS positioning, help you in making every job world class.

Furthermore, DCA-A provides full statistics, documentation and thorough data for quality analysis. The rolling pattern can be played back and all results printed on paper or to a PDF file. It is easy to understand how these benefits improve quality and clients' trust in your capabilities. The DCA-A analysis tool takes the guesswork out of compaction.



Compaction analysis

- Temperature- first and last pass
- Number of passes at each position inside and outside the temperature range
- Playback of the rolling pattern
- Full statistics
- Print to paper or export to PDF

Compaction Documentation

- Number of passes
- Surface temperature (core temperature)
- Graphic display of the temperature and the number of passes
- Background material for the quality analysis
- Support for continuous improvements of the paving process, rolling patterns and overall compaction results

The pass-count and asphalt temperature are presented in real-time on the operator screen - providing vital information for a successful compaction job.

BIG FUEL SAVINGS WITH ECO MODE & OPTIMIZATION OF RELATED SYSTEMS

ECO-mode

We are proud to announce that we have fulfilled our promise to offer customers soil and asphalt rollers with very low fuel consumption. The secret is our ECO Mode.

We closely monitored the fuel consumption of the new large CC asphalt rollers and the new CG2300. As a result, we can now confirm that in ECO Mode, all the rollers consume 15–20% less diesel fuel than our previous range without ECO-mode.

We are one of the first manufacturers to equip our rollers with Stage IIIB/T4i engines with very low emissions. The entire range of Dynapac 7-13 t tandem rollers and the new CG2300 all have engines of this type.



Green rollers

When using the ECO-system the percentile saving is higher during compaction than during idling and transportation. Combine the 15-20% fuel savings with biodegradable hydraulic oil and very low noise levels and the result is “green” rollers.

How did we reduce the fuel consumption so much?

The answer is hard work both with major components and with small details. Here are some examples:

- Double pump vibration system
- Reduced number of hydraulic hose fittings
- Proportional control of cooler fan speed with regards to engine coolant and hydraulic oil temperatures
- Automatic idling of the diesel engine revolutions after 10 seconds in neutral

The CC2200 and CC2300 are also amongst the most productive rollers on the market. When using our optimising software tool PaveComp and/or our documentation system DCA-A, your results will be even better with regards to compaction, economy and lower environmental impact.



A WIDE SELECTION DYNAPAC

Machine Types

Standard drums

Combi

Split drums

Off-set drums or not

Standard on combi and split drum

Short or extended frames

Only for CC5200 and CC6200

Extended frame US standard

Engine

III B/T4i

3 different operator's platforms



Asymmetric Cab

- Integrated ROPS
- Operators station, sliding and rotating
- Seat belt 2"
- Heating system
- Frequency meter/ impactometer
- 3 speed fan system with filter
- Floor mat
- Lights working, H3 (Halogen)
- Panel covers, interior
- Inner roof: Noise absorbing
- Internal rear view mirror
- Hooks: Two
- Charger socket: One 24V & one 12V
- Interior light
- Steering wheel: Adjustable
- Storage: Rear cover and side panel netbag
- Cup and can holder
- Tinted safety glass
- Openable side windows
- Wipers and washers:
- Front/rear also on the asymmetric part
- Rotating beacon
- Rear view mirrors, traffic
- Back-up alarm
- Sprinkler system additional

Asymmetric Comfort Cab (standard US Cab)



Asymmetric Cab features +

ACC

Operator's seat, luxury
Radio with CD-player

ROPS platform

- Roll over protection structure
- Floor mat and anti-slip
- Panels: Back cover
- Lights working, H3 (Halogen)
- Charger socket: One 24V & one 12V
- Steering wheel: Adjustable
- Frequency meter/ impactometer
- Storage: In back cover
- Operators station, sliding and rotating
- Operator's seat, suspension
- Seat belt 3"
- Hooks: Two
- Vandal cover
- Rotating beacon
- Lunch box holder
- Back-up alarm
- Sprinkler system additional
- Rotating beacon

Selectable options:

- Rear view mirrors, traffic

Options CC2200 - CC6200

- Asphalt temperature meter
- Biodegradeable hydraulic fluid
- Chipsreader (only for CC2200 - CC3300)
- Edge press, front mounted
- First Aid Kit
- Joint cutter disc, 3.15/6 in
- Lights drum edge
- Rear view mirrors, process view
- Special color (one or two colors)
- Tool set

- Two watertanks for ext. frames*
- Water tank cover, lockable
- CE package compaction parameters and noise supression
- Service kit 50/500/1000 h
- Hearing protectors
- Decal risk location (GOST)
- Lights, direction, side mounted
- Lights, driving
- Lights, licence plate

- Steering, emergency
- Slow moving vehicle sign
- Foot rest
- Heat cover wheel (for Combi only)
- Dynapac Compaction Analyzer
- Tachograph
- Tachograph prep.
- Fire extinguisher

* only for CC5200 and CC6200



Anytime, Any Product, Anywhere - you can count on us

Servicing your machines regularly is very important to ensure reliable operation and a long service-life. With pro-active service and preventive maintenance you minimize the risk of high production costs and breakdowns. You can select a service contract that meets your requirement for professional service in order to get the most out of your machine investment.

All-in-one box kits

An all-in-one box, tailored to match your equipment. The parts you need, when you need them! An all-in-one box contains all the parts required as part of the equipment's scheduled maintenance program. When installed by an Atlas Copco certified technician, you keep your downtime to a minimum and your equipment in top condition its entire life.

Easy to obtain and attractively priced, the most effective solution to keep your maintenance budget low.

Find a suitable kit at dynapac.com / kitselector

What's included?

Maintenance contract

- Preventive maintenance
- Fluids
- Machine inspection

Care

- Preventive maintenance
- Fluids
- Machine inspection/Inspection protocols
- Extended warranty (also available as a separate product)

Fluids

- The right fluid optimizes machine performance
- Simplified selection process, less time spent on finding the right oil
- Delivery in a handy container, no need for transfer from an oil drum
- All-in-one delivery, less time spent on waiting and dealing with different suppliers
- One invoice, less administration

Find a suitable fluid at dynapac.com / fluidselector

Benefits

- Reduced costs
- Cost known upfront
- Extended warranty (Care)
- Professional and regular machine inspections
- Planned maintenance
- Increased resale value

Please contact your sales rep or local dealer for more information.



Customer Finance

Atlas Copco is offering you customised equipment financing.

A wide range of financing solutions for all types of Atlas Copco equipment and related products is available with possibilities to customize payments to suit your specific requirements.

Various formulas are available, making Atlas Copco a full line supplier for equipment, aftermarket services and all inclusive financing .

Technical Data

	CC2200	CC2300	CC3200	CC3300	CC3800	CC4200	CC5200	CC6200	CC7200
Drum width, in	59	59	68	68	68	68	77	84	84
Masses									
Operating mass , lb (incl. ROPS)	17 000	18 700	18 000	19 800	20 700	22 500	24 900	26 460	37 000
Module mass, lb (front/rear)	8,500/8,500	9,400/9,400	9,000/9,000	9,900/9,900	10,350/10,350	11,250/11,250	12,450/12,450	13,230/13,230	18,200/18,800
Traction									
Speed range (mph)	0-7.5	0-7.5	0-7.5	0-7.5	0-7.5	0-7.5	0-7.5	0-7.5	0-7
Vertical oscillation (Deg)	±7	±7	±7	±7	±7	±7	±7	±7	±5
Theor. Gradeability (%)	42	39	37	35	37	45	40	36	30
Compaction									
Centrifugal force, lb (high/low amplitude)	17,540/15,060	16,190/13,260	20,230/16,860	17,760/14,390	20,250/16,880	31,280/20,700	34,650/22,720	37,350/23,850	48,340/22,930
Nominal amplitude, in (high/low)	0.03/0.01	0.020/0.008	0.03/0.01	0.02/0.01	0.028/0.012	0.031/0.012	0.031/0.012	0.031/0.012	0.028/0.016
Static linear load lb/in (front/rear)	144/144	152/152	132/132	146/146	152/152	165/165	162/162	158/158	217/224
Vibration frequency, VPM (high/low amplitude)	2,870/4,010	2,870/4,010	2,870/4,010	2,870/4,010	2,880/4,020	3,060/4,020	3,060/4,020	3,060/4,020	2,880/2,880
Water tank, Gal	198	198	198	198	198	238	238	238	2 x 177
Engine									
Manufacturer/Model	Deutz TCD 3.6 IIIB/T4i					Cummins QSB 4.5 IIIB/T4i			Cummins QSB 6.7(T4i)
Type	Water Cooled Turbo Diesel with After Cooler					Water Cooled Turbo Diesel with After Cooler			Water Cooled Turbo Diesel w. After Cooler
Rated power, SAE J1995	100 hp @ 2,200 rpm					130 hp @ 2,200 rpm			220hp @ 2,000rpm
Fuel tank capacity, Gal	34					63			89

Standard Features

Automatic vibration control (AVC)	Sliding and swiveling operator's platform
Automatic water control (AWC)	Spring loaded scrapers
Back-up alarm	Sprinkler timer
Display: Engine temp, Fuel level, Frequency/impactometer, Hydr. temp	Sprinkler system additional (Two bars per drum)
Speedometer, Tachometer, Voltage, VPM, Water level	Steering wheel tilt able
Filters for sprinkler system	Vandal cover for instrument panel
Hydraulic check points	Vibration quick stop
Lunch box holder	Vibration shut off front or rear drum
Operator platform, shock mounted	Warning lights: Air cleaner, Brake, Clogged hyd fluid filter,
Pressurized sprinkler system	Engine oil pressure/temp, Hyd oil temp, Low charge, Low fuel
ROPS canopy w/suspension seat & 3" seat belt	Working lights, Rops mounted
Rotating beacon	

