

Dynapac Pneumatic Tired Rollers



Dynapac CP142, CP2100, CP2100W and CP2700

Sustainable Productivity

Atlas Copco

TOP DYNAPAC QUALITY

Dynapac presents a series of pneumatic tired rollers in the 21- to 27-ton weight class, including a 21-ton, wide-base tire version. The CP2100, CP2100W and CP2700 incorporate several new features that will enhance efficiency, serviceability, operator comfort and the final compaction results.

The unique cab design offers an outstanding workplace for the operator, and the dual-circuit braking system is another Dynapac-only feature. With genuine Dynapac performance you can add the final touch to any project.

The Dynapac

Performance

A pneumatic tired roller is a specialized machine with a wide range of applications. Finishing and sealing are obvious ones, but soil compaction can also be carried out with exceptional results. A significant feature is the smooth start-stop procedure when changing driving direction. The air-on-the-run option and backup sprinkler further enhance the quality of the end result.

Safety

The braking system has two separate circuits that are able to maintain full braking capacity even if a damaged hose or other failure should disable one of the circuits.

Visibility and maneuverability are safety cornerstones. Dynapac's cab design, as well as the four-post ROPS, minimizes obstruction of the operator's field of view. Precise steering and the powerful braking system keep the operator in control.

Ergonomics

In a Dynapac roller, the seat, steering wheel, dashboard and controls are built as an integrated unit, easily adjusted to personal preferences. The entire operator unit can slide and rotate in order to give the best visibility and working conditions possible. Add to that a wide range of options, including air conditioning or automatic climate control and on-screen troubleshooting information. A Dynapac is built for long-term productivity.

Environmental care

Every Dynapac is designed and built with a focus on reduced environmental impact. Hydraulic systems and engines reduce fuel consumption and emissions, and engines complying with Stage 3A (T3) /Stage 3B (T4i) are fitted as standard.

Biodegradable hydraulic fluid can be used, and it is easy to change engine liquids and hydraulic fluid without risk of spillage.

To reduce noise, the cooling fans are thermostatically controlled, and the entire machine produces a surprisingly low level of ambient noise.

Serviceability

Daily service points are few, and the large hood and location of filters and filler caps make routine service tasks smooth and fast. Service information is displayed on the dashboard LCD.

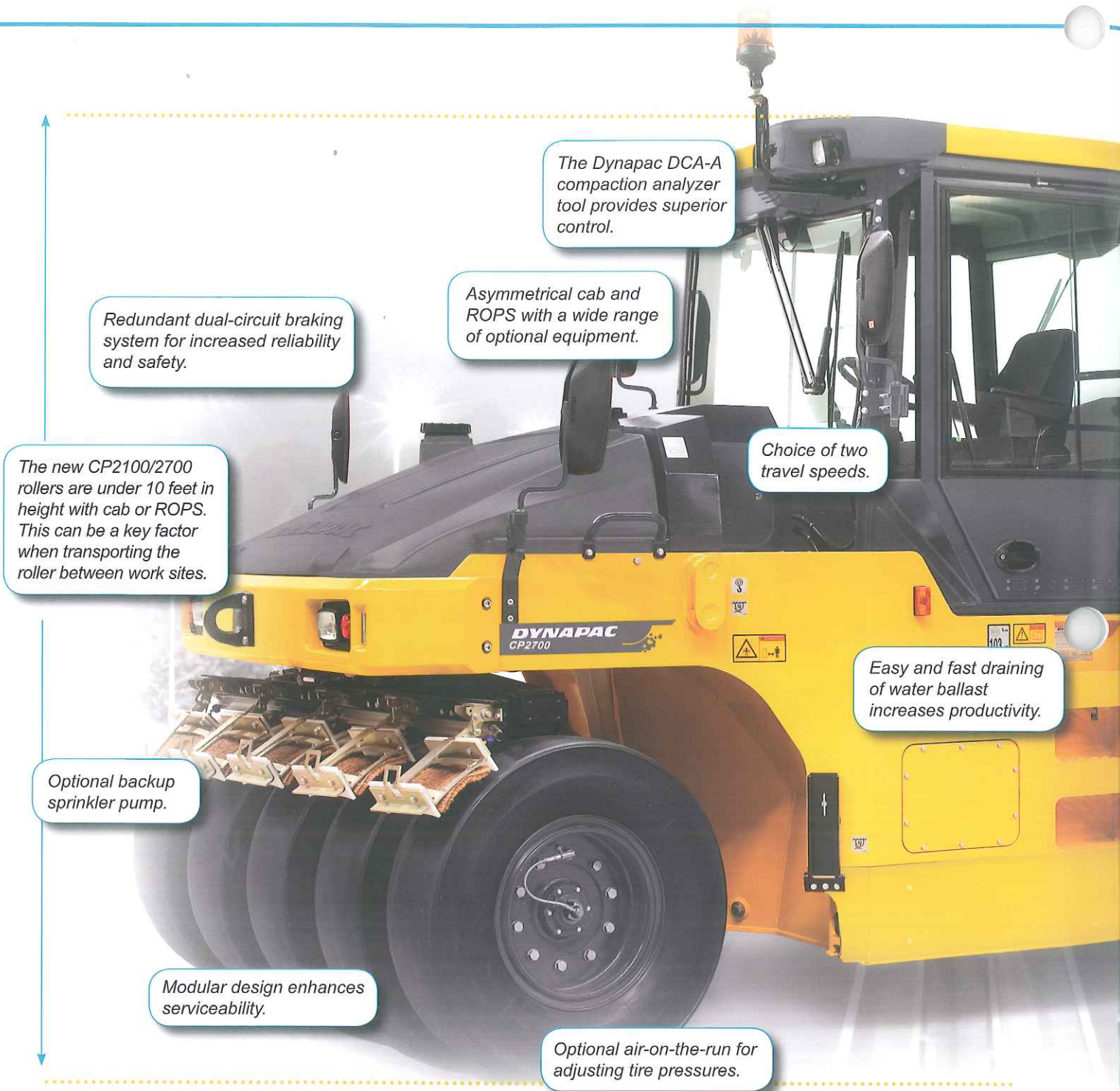
Several Dynapac models share many common components and subsystems, simplifying parts inventory and making service quicker.



touch



ATTENTION TO DETAILS—THE BASE OF PERFECTION



Dual-circuit braking system

The braking system has two separate circuits. This means that full braking capacity is maintained even if a damaged hose or other failure should disable one of the circuits.

CP2100W: Wide-base tires

Wide-base tires cause less lateral movement of the particles than standard tires.

Balanced all the way

To achieve the same ground pressure on front and rear tires, the ballast is distributed evenly, whether water, sand or steel is used.



OPERATOR FOCUS



ENGINE



COMPACTION



VIBRATIONS



SERVICEABILITY



Sliding and rotating operator's module increases visibility and comfort.

Engine type T3/T4i as required for any markets.

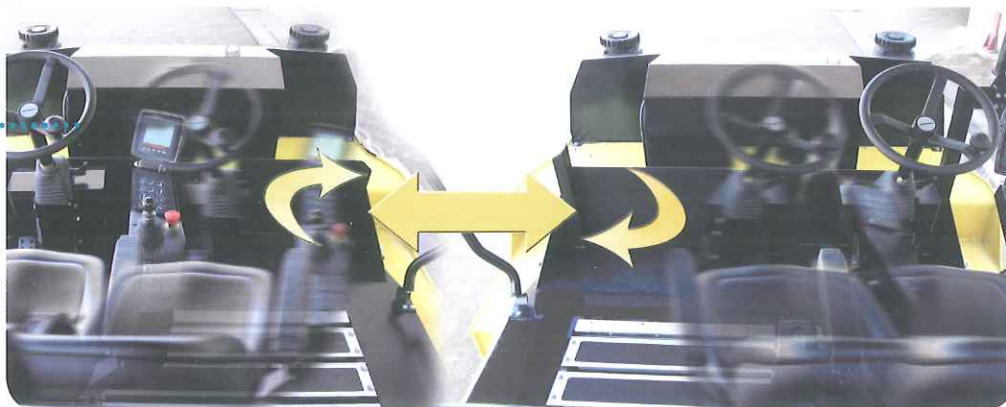
24-volt electrical system increases cranking capacity and general durability.

Fully hydraulic propulsion reduces maintenance costs.

Optional steel ballast can be mounted in separate boxes under the frame.

Comfort in mind

The operator unit is designed with operator comfort and safety in mind. The whole unit can slide and rotate to give the best visibility and working conditions possible.



Value you can count on

A modular steel ballast system takes one-third the time to load and unload than ballast in the form of sand and water, which saves money.

Dynapac Compaction Analyzer: The optional DCA-A analyzer takes the guesswork out of compaction by monitoring asphalt temperature and the number of passes. Achieving the optimum density and surface texture in six passes instead of eight can save 25% in the cost of operating a roller and reduce the number of mandatory test spots by 50%. This means better results in less time, which increases profitability.

Modularization allows for faster service response and keeps maintenance costs low, and the common parts and systems between different product lines simplify technician training and inventory. In the short term, this means maximum uptime, productivity and profitability on the job. In the long term, a well-maintained roller has up to a 15% higher resale value.

The operator has a direct impact on compaction efficiency and cost. With one of the most modern operator platforms on the market and a dual-circuit braking system that maintains full braking operations even if one circuit is disabled, the operator works in comfort and safety—increasing productivity on the job.

Paving and compaction often take place at night, when working speed can drop by 20% due to poor visibility. Optional Xenon lights create a safer job site for nighttime operations and help maintain productivity.

An optimized hydraulic system and thermostat-regulated cooling fans can reduce fuel consumption by 3%-4% compared to a traditional system.

DYNAPAC CP142 PNEUMATIC ROLLER

The highly cost-efficient CP142 is the smallest of Dynapac's series of pneumatic tired rollers. This machine shares many of the features that make Dynapac a strong and reliable partner for all kinds of jobs. Performance always comes first, and with our attention to serviceability and ergonomics you can rest assured that efficiency and top-quality results will last for the machine's entire lifetime. The CP142 is used to chip seal and to compact asphalt for sealing purposes, as well as to compact base, subbase and stabilized soil.

VALUE FOR MONEY

Strong and smooth

The Dynapac CP142 has power reserves enough to ensure effortless and efficient finishing and sealing. Add to that the smooth start-stop procedure and you have a trusty working companion for long efficient passes. The power source is a reliable Cummins QSB 3.3 T3 with an output of 99 hp, and the muffler and exhaust pipes are hidden under the hood for best possible rear-view visibility.

Reliable performance

The ergonomically designed F/R handle, located on the right side of the operator's seat, makes operation smooth and easy. Perfect balance is provided by the unique modular ballast system. It gives you the advantage of direct visual control of the wheel loads.

Safe and secure

A clear view and undisturbed driver control are important features for quality and safety. In the CP142 the operator seat is placed in the center, and the ROPS placement will not obstruct the operator's view. The operator can keep an eye on the finest details—and stay aware of movements close to the machine.

Operator in control

In the Dynapac CP142, the operator's unit features a very user-friendly instrument panel. All indicators, switches and controls are clearly visible and easily reached. At Dynapac, we are convinced that efficient and profitable operation is directly connected to the quality of the driver's environment.

Environmental care

Protection of our environment and careful use of resources are keywords in all Dynapac development. We strive for reduced fuel consumption and emissions, and engines complying with T3 are fitted as standard. Our machines allow the use of bio-degradable hydraulic fluids, and through careful design we have reduced the risk of spillage.

Serviceability

The Cummins diesel engine is easily accessed, thanks to the large hood. The few daily service points, as well as filters and filler caps, are positioned for fast, trouble-free maintenance.

Service—easier than ever

Daily service points are few and within reach.





OPERATOR FOCUS



ENGINE



COMPACTION



VIBRATIONS



SERVICEABILITY

Modernized instrument panel – indicators and switches are easy to see, easy to reach.

The ergonomically designed F/R handle, located on the right side of the operator's seat, makes operation smooth and easy.

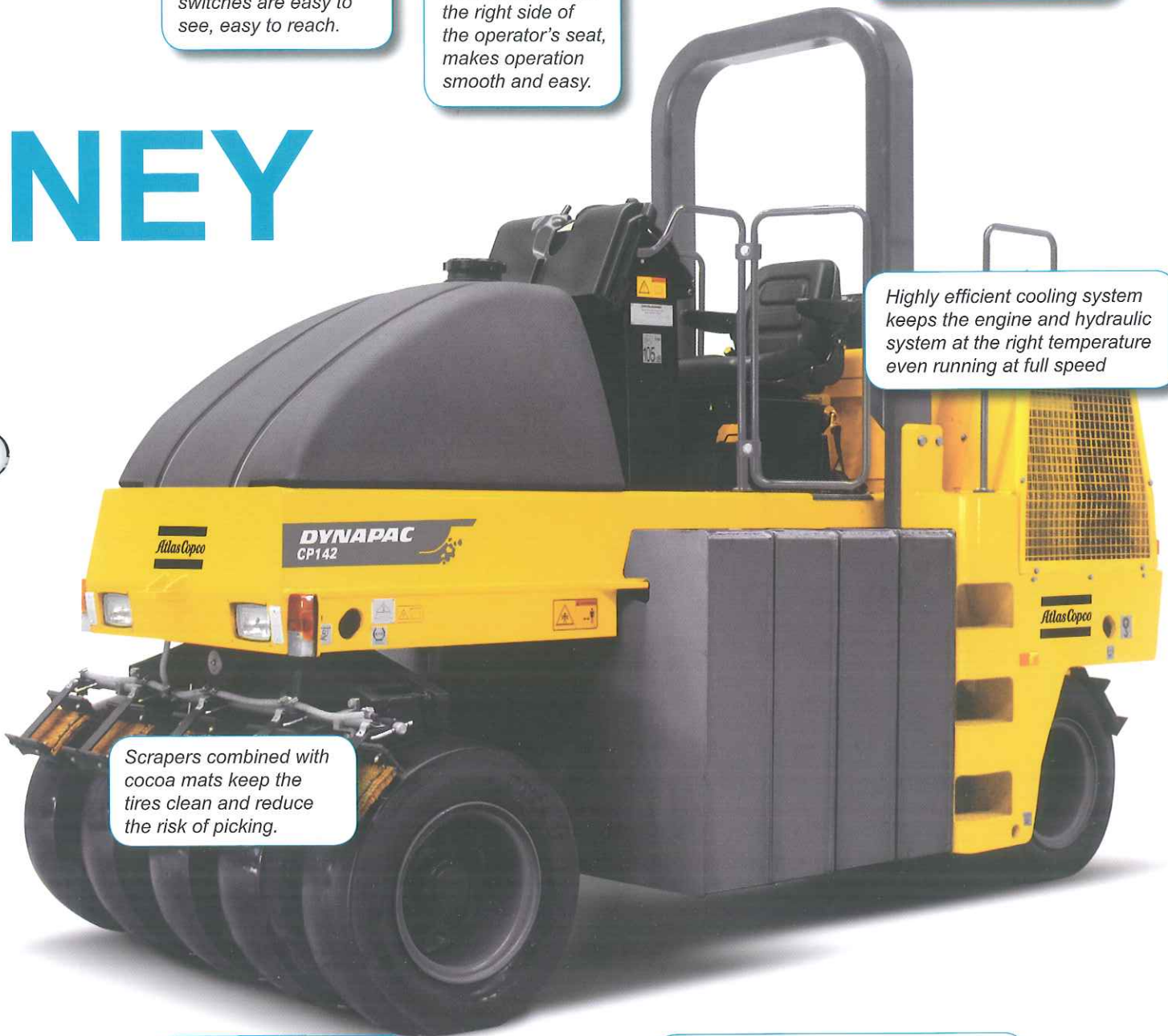
Muffler and exhaust pipe are hidden under the hood for best possible rear-view visibility.

Highly efficient cooling system keeps the engine and hydraulic system at the right temperature even running at full speed

Scrapers combined with cocoa mats keep the tires clean and reduce the risk of picking.

Unique modular ballast system gives direct visual control of the wheel loads.

Ballast cartridges mean less time and money spent on loading and unloading ballast in the form of sand and water. They require only one-third the time.



DNEY

Technical Data

	CP142	CP2100	CP2100W	CP2700
Operating mass, lb. (incl. ROPS)	13,228	20,900	20,900	23,800
Max. operating mass, lb.	30,865	46,300	46,300	59,500
Wheel load, std/max, lb./wheel	1,477/3,439**	3,000/6,600*	3,000/6,600*	2,650/6,600**
Speed, mph	0-12	0-14	0-14	0-14
Propulsion, rear	4 wheels	4 wheels	4 wheels	4 wheels
Water tanks, gal.	127	110	110	110
Number of tires	5 front/4 rear	3 front/4 rear	3 front/4 rear	5 front/4 rear
Tire pressure, psi	65-91	36-123	36-123	36-123

Dimensions

Compaction width, in.	69	71	89	91
Length, in.	141	204	204	216
Width, in.	69	80	89	92
Height, w/wo ROPS, in.	118/90	118/89	116/87	118/89

Engine

Model	Cummins QSB 3.3 (T3)	Cummins QSB 3.3 (T3)	Cummins QSB 3.3 (T3)	Cummins QSB 4.5 (T4i)
Rated power, SAE J1995, hp	99 @ 2200 rpm	99 @ 2200 rpm	99 @ 2200 rpm	110 hp @ 2200 rpm
Fuel tank, gal.	37	55	55	55
Electrical system	12 V	24 V	24 V	24 V

Standard Equipment CP142

Backup alarm
Ballast boxes, 6 (2 solid, 4 empty)
Cover, instrument panel
Dual scrapers with cocoa mats
Fuel gauge
Horn
Hour meter
Hydraulic check points
Hydraulic oil level indicator
Interloc system
Key master and start
Lifting and tiedown eyes
Main battery switch
Neutral start arrangement
Pressurized sprinkler system
ROPS (incl. seat belt) *
Seat belts, 3"
Tool box
Towing eyelets
Tires, 14 ply
Vandal-resistant instrument cover
Warning lights for air cleaner, brake, engine temp, engine oil pressure, hydraulic filter, hydraulic oil temp and low fuel level
Work lights

Optional Equipment CP142

Ballast boxes, 2 extra for full ballast
Biodegradable hydraulic oil
Canopy (not for ROPS)
Driving lights
Rotating beacon
Slow Moving Vehicle sign (SMV)
Spare wheel
Sprinkler timer
Tool kit

Standard Equipment CP2100/2700

Battery switch
Backup alarm
Cup and can holder
Documentation (manuals), one set
Drainage for water ballast
Emergency stop
Engine temperature display
Fuel level display
Horn
Hour meter
Hydraulic fluid temperature display
Hydraulic checkpoints
Hydrostatic drive with 2 hydraulic motors
Interloc system
Key master and start
Lifting points
Lunchbox holder
Parking brake
Redundant brake system
ROPS (incl. seat belt) *
Rotating beacon
Sliding and swiveling operator unit
Speedometer
Sprinkler system w/scrapers, cocoa mats, water timer
Tachometer display
Tilt steering wheel
Tie down points
Voltage meter display
Warning - Air cleaner
Warning - Brake
Warning - Clogged hydraulic oil filter
Warning - Engine temperature
Warning - Engine oil pressure
Warning - Hydraulic fluid temperature
Warning - Low charge
Warning - Low fuel level
Working lights
2 multi-disc brakes for parking and dynamic service brake

Std Equipment for Cab CP2100/2700

Air conditioning (AC), basic cooling function
Air filtering system
Fan, fresh air (3-speed)
Interior light
Rear view mirror, internal
Seat belt
Safety glass, tinted
Side windows, openable
Heater
Wiper with washer, front/rear

Optional Equipment CP2100/2700

Air-on-the-run
Asphalt temperature meter
AWC (Automatic Water Control)
Biodegradable hydraulic fluid
Cab, asymmetric, ROPS
Canopy
Compaction Analyzer - Dynapac DCA-A
Edge cutter
Fire extinguisher
First aid box
Heat covers for wheels
Lights, driving, right-hand traffic
Lights, driving, left-hand traffic
Lights, license plate
Process mirrors
Rear-view mirrors, external
Seat, luxury for platform and cab
Slow Moving Vehicle sign
Sprinkler back up pump
Steel ballast
Tool set
Towing eyelets front & rear
Vandal cover for instrument panel (not cab)
Water level gauge
Water tank covers, lockable

Opt. Equipment for Cab CP2100/2700

Air conditioning (ACC), automatic climate control
Radio & CD player
Rear-view mirrors, external
Seat, luxury for cab

The *Victor L. Phillips* co.

Kansas City 816-241-9290 or 800-878-9290
Joplin 417-781-8222 or 800-878-8223
Topeka 785-267-4345 or 800-878-4245
Wichita 316-838-3346 or 800-878-3346
Garden City 620-275-1996 or 800-511-1435
Springfield 417-887-2729 or 800-955-2729
Fort Smith 479-668-0352 or 844-668-0352

www.vlpc.com



Atlas Copco

Mining, Rock Excavation and Construction LLC

3700 E 68th Ave, Commerce City, CO 80022 USA

Phone +1 800 732-6762, Fax +1 303 288-8828

www.atlascopco.us

*7 wheels
** 9 wheels

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, operator comfort, compaction control and serviceability for the CC line will appeal to owners, operators and service crews. And the environmental benefits appeal to everyone.

Efficiency in mi

Top-quality results

With Dynapac rollers you achieve high-quality surface finishes through operational features such as soft starting and stopping, which 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 are a number of features on the CC rollers that 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.

Ample water resources are available with a volume of 200 gallons on the CC2200 to CC3300, 240 gallons on the CC4200, and as much as 370 gallons as an option on the CC5200 to CC6200.

The operator in control

The Dynapac CC line is ergonomically designed, ensuring that operators have continuous visibility and comfortable access to the controls. The corrosion-free water tank is mounted in the front frame. This gives the rollers a 3.2 x 3.2 foot view and full visibility of all working functions.

You can tailor your roller to local conditions, including operator platform with ROPS, ROPS cab, air conditioning, etc.

*Experience is the base of excellence.
Dynapac will always help you maximize
your equipment's performance.*



OPERATOR FOCUS



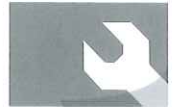
ENGINE



COMPACTION



VIBRATIONS



SERVICEABILITY



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 the use of high amplitude risks crushing the aggregate. Dynapac recommends 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 offset as standard.) This, in combination with the asymmetric cab, makes the machines very easy to operate.

Powerful engine

The new models are powered by a Cummins QSB 3.3, QSB 4.5 or Deutz TCD3.6, iT4 engine.

Dynapac's automatic engine idling system and highly efficient hydraulic system reduce fuel consumption and increase fuel efficiency.

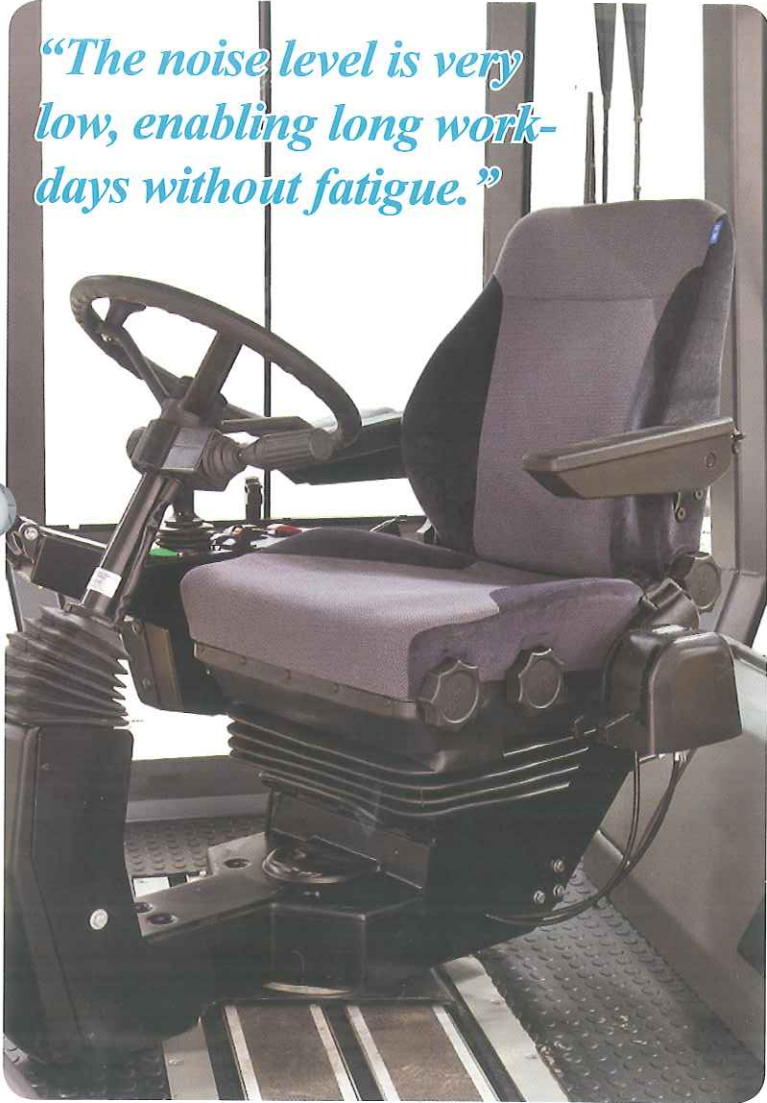
Adjustable maximum speed is standard.



Outstanding operator comfort

Dynapac CC rollers are equipped with a slideable and turnable seat and steering module for the best ergonomics. The very low vibration level on the operator platform also adds to the comfort of the operator.

“The noise level is very low, enabling long work-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 four-post ROPS and 3.2 x 3.2 foot visibility also reduce obstruction 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 running costs and noise. Additional fuel savings up to 20% are achieved through our unique “ECO Mode” concept.

Biodegradable hydraulic fluid is optional. The automatic idling system keeps exhaust emissions on a low level.

Easy maintenance in every detail

Daily service points are few. The position of the engine on the rear module and the large, easy-to-open engine hood make service easy.

The service info displayed directly on the driver's LCD also facilitates service jobs. With a maintenance-free steering hitch and steering cylinder, very few grease nipples are found on these machines. At the same time, service intervals have been extended.

The corrosion-free water tank and sprinkler tubes, combined 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 hose. Drum shock absorbers are easily replaced without the need to remove either forks or drums.



ATTENTION TO DETAILS—THE BASE OF PERFECTION

All Dynapac rollers benefit from solid experience, proven concepts—and advanced technology research. When we introduce a lineup of new features, our first concern is real-life improvements for our customers—easy handling and servicing with a clear focus on lasting performance.

180 degrees

The swiveling operator module allows the seat, instruments and levers to turn 180°, keeping the operator in full control.

Visibility

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

Compaction data

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

Back-up sprinkler system

A backup sprinkler system means fewer 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 increases operating time between water refill breaks.



Easy night work

Night work is easy. Experience the difference with the 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 options, with the sliding and swiveling operator 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 / iT4 engines with optional ECO Mode achieve up to a 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.

Combination rollers

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

Compact power engine

Stage IIIB/iT4 diesel engines offer impressive power reserves and significant operational benefits. Easy cold starting, low noise, rapid diagnostics and faster load acceptance are just a few.

ECO Mode, which offers up to a 20% reduction in fuel consumption, is available as an 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.

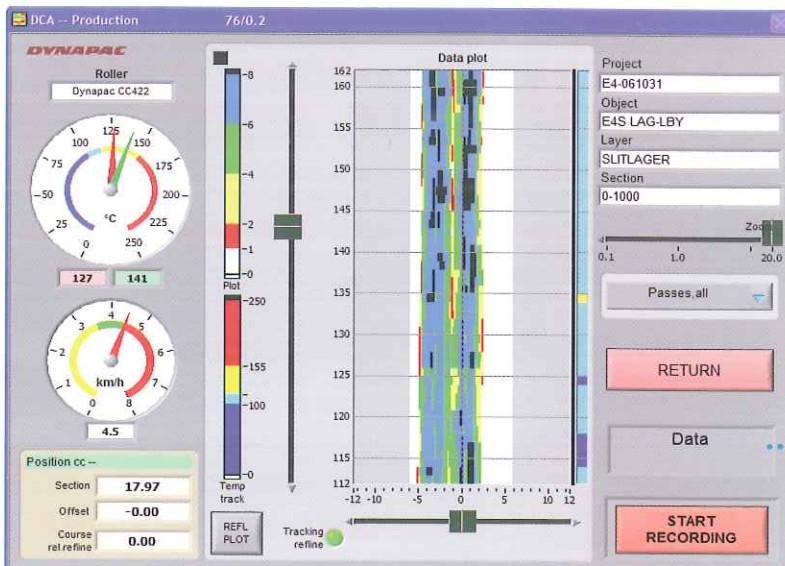
DYNAPAC COMPACTION ANALYZER



Dynapac Compaction Analyzer

Compaction is precision work. In order to reach the right density and obtain the right surface texture, parameters must be monitored. By using the Dynapac DCA-A compaction analyzer, this delicate task becomes a lot easier. Graphic, real-time display of the temperature and number of passes, plus the support of GPS positioning, help you make 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 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- to 13-ton tandem rollers and the new CG2300 all have engines of this type.



Green rollers

When using the ECO Mode 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 with both major components and small details. Here are some examples:

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

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



A WIDE SELECTION

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 U.S. standard

Engine

IIIB/T4i



3 different operator platforms

Asymmetric Cab

- Integrated ROPS
- Operator 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 24 V & one 12 V
- Interior light
- Steering wheel: Adjustable
- Storage: Rear cover and side panel net bag
- Cup and can holder
- Tinted safety glass
- Openable side windows
- Wipers and washers on front/rear, also on the asymmetric part
- Rotating beacon
- Rear-view mirrors, traffic
- Backup 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
- Working lights, H3 (Halogen)
- Charger socket: One 24 V & one 12 V
- Steering wheel: Adjustable
- Frequency meter/ impactometer
- Storage: In back cover
- Operator station, sliding and rotating
- Operator seat, suspension
- Seat belt 3"
- Hooks: Two
- Vandal cover
- Rotating beacon
- Lunch box holder
- Backup alarm
- Sprinkler system additional
- Rotating beacon

Selectable options:

- Rear-view mirrors, traffic

Options CC2200 - CC6200

- Asphalt temperature meter
- Biodegradeable hydraulic fluid
- Chip spreader (only for CC2200 to CC3300)
- Edge press, front mounted
- First Aid kit
- Joint cutter disc, 3.15/6"
- 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 suppression
- Service kit, 50/500/1000 hour
- Hearing protectors
- Decal risk location (GOST)
- Lights, direction, side mounted
- Lights, driving
- Lights, license plate

- Steering, emergency
- Slow moving vehicle sign
- Footrest
- 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 long service life. With proactive 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, it's 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 means less time spent on finding the right oil.
- Delivery in a handy container; no need to transfer from an oil drum.
- All-in-one delivery means less time spent waiting and dealing with different suppliers.
- One invoice, less administrative hassle.

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 offers customized equipment financing.

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

A variety of finance 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 Cummins QSB 6.7(T4i) water cooled turbo diesel w. after cooler 220hp @ 2,000rpm
Engine									
Manufacturer/Model	Deutz TCD 3.6 IIIB/T4i					Cummins QSB 4.5 IIIB/T4i			
Type	water cooled turbo diesel with after cooler					water cooled turbo diesel with after cooler			
Rated power, SAE J1995	100 hp @ 2,200 rpm					130 hp @ 2,200 rpm			
Fuel tank capacity, Gal	34					63			89

Standard Features

Automatic vibration control (AVC)	Sliding and swiveling operator platform
Automatic water control (AWC)	Spring loaded scrapers
Backup 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 tiltable
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 and 3" seat belt	Working lights, ROPS mounted
Rotating beacon	

The Victor L. Phillips Co.

Kansas City 816-241-9290 or 800-878-9290
 Joplin 417-781-8222 or 800-878-8223
 Topeka 785-267-4345 or 800-878-4245
 Wichita 316-838-3346 or 800-878-3346
 Garden City 620-275-1996 or 800-511-1435
 Springfield 417-887-2729 or 800-955-2729
 Fort Smith 479-668-0352 or 844-668-0352

www.vlpc.com



Atlas Copco

Mining, Rock Excavation and Construction LLC
 3700 E 68th Ave, Commerce City, CO 80022 USA
 Phone +1 800 732-6762, Fax +1 303 288-8828
www.atlascopco.us

Dynapac Tandem Asphalt Rollers



Dynapac CC800, CC900, CC900S, CC1000, CC1100, CC1200, CC1300
CC1100C, CC1200C, CC1300C

Sustainable Productivity

Atlas Copco

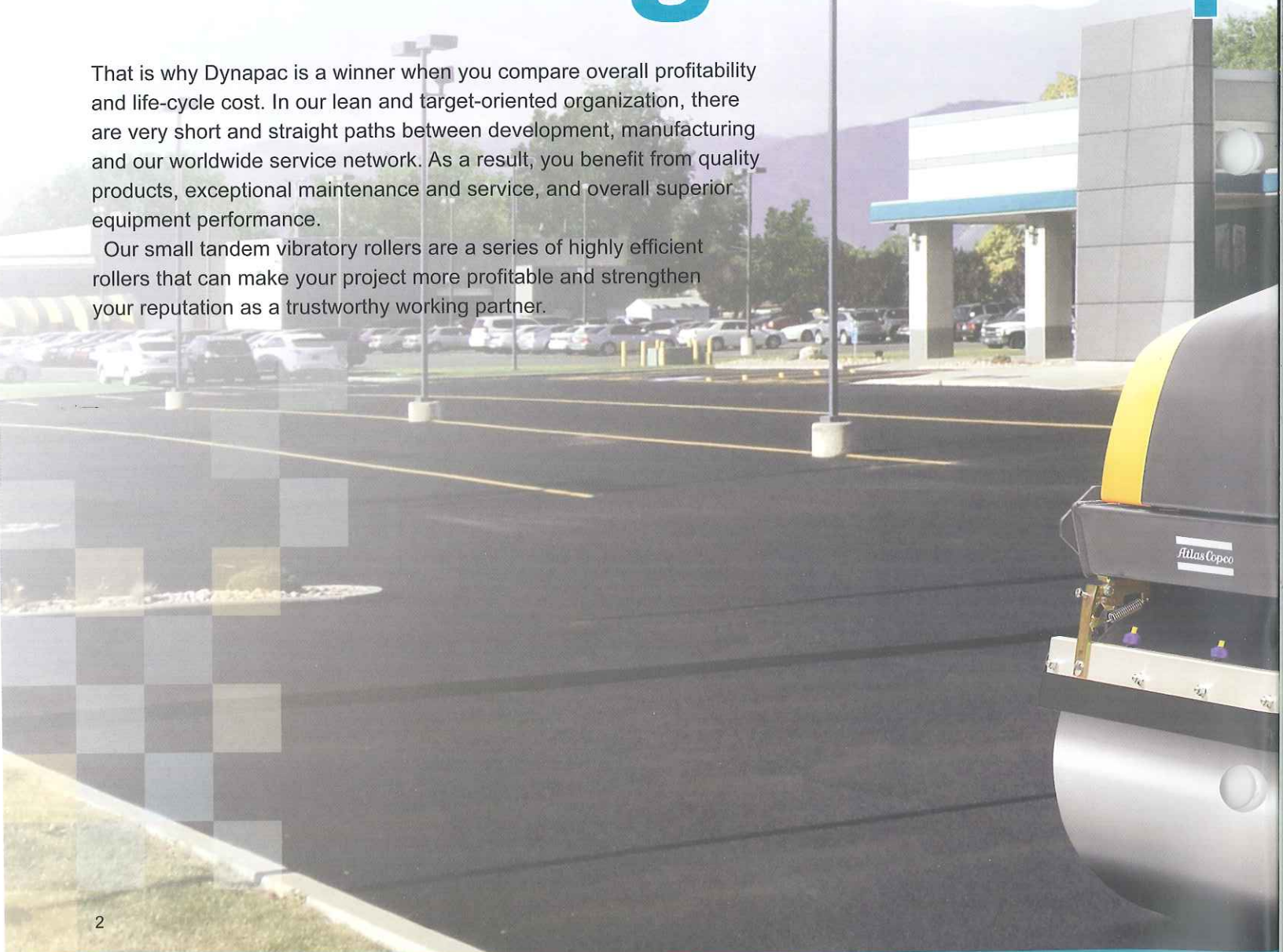
SMALL TANDEM ASPHALT ROLLERS

Dynapac is the world's most specialized and experienced manufacturer of compaction and paving equipment. Our expertise has resulted in numerous successful innovations. To put it simply, we know this business and we've got the power to transform groundbreaking ideas into cost-efficient solutions and reliable machines.

Building on exp

That is why Dynapac is a winner when you compare overall profitability and life-cycle cost. In our lean and target-oriented organization, there are very short and straight paths between development, manufacturing and our worldwide service network. As a result, you benefit from quality products, exceptional maintenance and service, and overall superior equipment performance.

Our small tandem vibratory rollers are a series of highly efficient rollers that can make your project more profitable and strengthen your reputation as a trustworthy working partner.



erience



SMALL-SCALE COMPACTION WORK

Dynapac's range of small tandem asphalt rollers – the Dynapac CC800, CC900, CC900S and CC1000 – are used primarily for small-scale compaction work such as pavements, cycle paths, small roads and small parking areas – places that need compaction but are difficult to reach with a larger roller.

These small tandem rollers come with an operating mass of approximately 1.6 tons and drum widths of 31.5, 35 and 39 inches.

GET THE JOB DONE

Low noise - high power

The powerful and quiet water-cooled three-cylinder diesel engine produces 17.3 kW (23.5 hp). With the large drum diameter and the drive motors connected in series, there is excellent accessibility and hill-climbing capability. Propulsion and vibration are standard on both drums. As an option, vibration can be switched off on either the front or the rear drum.

Features that matter

These rollers are equipped with an innovative sprinkler tube and self-draining nozzles to minimize the risk of ice plugs in cold weather.

The 30 gal water tank allows long periods of work between refills*. To further extend work periods, an optional sprinkler timer is available. The powerful water pump is the same model as used on our larger asphalt machines.

Operator friendly

A spacious, vibration-damped operator platform and an ergonomically positioned step make these machines extremely operator-friendly. A modern, easily readable instrument panel with a warning panel and a fuel gauge is standard.

Easy transportation

To easily transport the roller between work sites, the machines are fitted with a robust central lifting eye that allows fast and easy loading. Standard folding ROPS keeps the transport height to a minimum.

Minimum service required

Extended service intervals minimize maintenance costs. The machines have a maintenance-free steering hitch and steering cylinder. The few remaining service points are easily accessible.

** If you chose the PLUS version, you will get an even larger water tank - 50 gal.*



Dynapac CC900S

The "single arm" version - Dynapac CC900S - has the right side of the front drum free, which makes it possible to compact close to walls. The front and rear drum have an offset of 2.36 inches.

”Dynapac will always help you maximize your equipment’s performance.”

ON TIME AND ON BUDGET

Standard foldable ROPS.

Central lifting point.

Spacious operator platform.

Powerful and silent three-cylinder, water-cooled diesel engine.

Serial-connected drum drive motors contribute to excellent hill-climbing capacity.

Fail-safe brakes

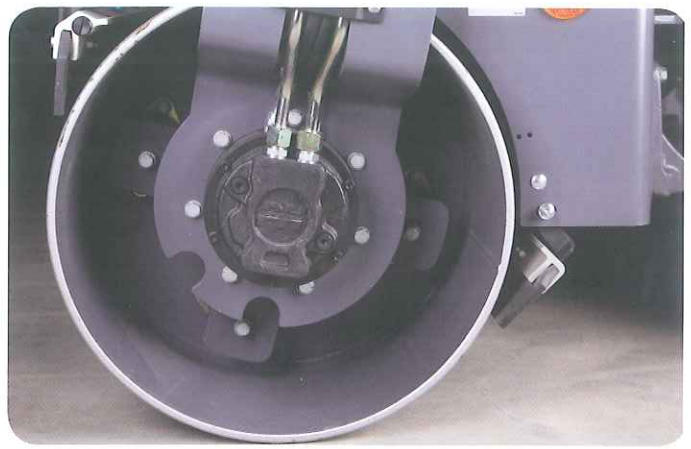
Ergonomic boarding steps.

Maintenance-free steering hitch and steering cylinder.

GET THE JOB DONE. ON TIME AND ON BUDGET.



Easily readable instrument panel with fuel gauge.
Very low vibration levels on the operator's platform.



Big drum diameter makes compaction easier even on soft, tricky asphalt mixes. Thick drum shells for long life.



Pressurized sprinkler system with a powerful water pump and self-draining sprinkler tubes and nozzles.



Long service intervals, together with maintenance-free steering hitch and steering cylinder, contribute to a minimum of maintenance.



A robust central lifting eye allows fast and easy loading.



A spacious vibration-damped operator platform with comfort seat and dual forward/reverse levers for total operator comfort.

Choose between CC and CC PLUS Packages



CC Package for Dynapac CC800, CC900, CC900S and CC1000

Included:

Backup alarm
Working lights
Foldable ROPS
incl. seat belt



CC PLUS Package for Dynapac CC800, CC900, CC900S and CC1000

Included:

Backup alarm
CE sign
Comfort seat
Cup/can holder
Foldable ROPS incl. seat belt
Large water tank, 50 gal
Rotating beacon
Sprinkler timer
Vibr. shut off, front or rear drum
Working lights



Options for CC Plus package:

Driving lights, right-or-left handed
Dual forward/reverse control
Spring-loaded scrapers

Options for CC and CC Plus Dynapac CC800, CC900, CC900S & CC1000

Biodegradable hydraulic fluid
Fire extinguisher
Hearing protectors
License plate light

Rear-view mirror, traffic view
Service kit 50/500/1000 h
Side direction lights (driving lights required)
Slow Moving Vehicle sign

Special color (one or two)
Tool set
Water tank cover, lockable

STREET-SMART COMPACT TANDEM ROLLERS

Dynapac's series of articulated compact tandem rollers – the Dynapac CC1100, CC1200 and CC1300 – are designed for compaction on city streets where size and noise matter most. The series has an operating weight of 2.4 metric tons to 4 metric tons and is available with double steel vibratory drums or one vibration drum and four static rubber tires - a combi version. All models feature design improvements and an engine that is quieter than ever.

QUIETER THAN EVER

On the surface

All three double-drum models feature vibration and drive on both drums. A large drum diameter makes them especially effective on soft asphalt. The optimum ratio of drum diameter to static linear load reduces the risk of cracks.

All models in the series are perfect for urban areas, streets and roads. The CC1300 is also suitable for compacting subbases and bases and has the capacity to follow a paver.

In the driver's seat

An optional sideways sliding seat and operator-friendly dual front and reverse controls improve visibility for better control and better compaction. The ample clearance at the edge of the drums makes this true even close to high curbs.

The series features a new control panel and low noise and vibration levels to reduce operator fatigue. A low center of gravity keeps the machines stable, and sturdy handgrips and steps enable safe boarding.

An interlock system prevents the engine from accidentally starting. An automatic brake lock is applied if the engine stops or if there is a problem in the hydraulic or electric brake circuits.

Ease of maintenance

Three separate filters in the sprinkler water system ensure no clogged sprinkler nozzles. The entire system can be drained easily without special tools. Filters for hydraulic fluid, engine oil and fuel are easily accessible.

Modularity is a cornerstone when it comes to building Dynapac rollers, which are built from many existing common parts. This means parts are easily accessible and readily available, which reduces equipment downtime.

Sustainable productivity

Dynapac develops and manufactures products with the goal of sustainability: low operating costs and long-lasting quality equipment that creates high-quality results for the companies who use Dynapac. These articulated small tandem asphalt rollers are no exception.

The rollers are powered by a water-cooled Kubota diesel engine. The Dynapac CC1100 and CC1200 feature a 35 hp engine, while the CC1300 features a 45 hp engine. The low noise level benefits the operator and the surroundings, especially during night work.

Long service intervals mean fewer oil changes and less money spent on routine maintenance. The corrosion-free water tanks are made of impact-resistant and recyclable polyethylene plastic. As an option, the machines can be equipped with biodegradable hydraulic oil.

Dynapac CC1100 CC1200 CC1300

All models available as combi version

The combi versions of the rollers reduce the risk of marring newly laid asphalt when making sharp turns.

The rubber tires are operated in pairs by separate drive motors.



Hydraulic fluid, engine oil and fuel system filters are easy to reach and easy to change. Long service intervals mean less downtime.

The corrosion-free and impact-resistant water tank is made of recyclable material. Large opening for easy filling.

Silent, water-cooled diesel engine.

Safety interlock to prevent accidents — The operator must be in the seat before the engine will start.

Ergonomic F/R handle.

Automatic brake lock if the engine stops or if there is a problem in the hydraulic or electric brake circuits.

Easily drained sprinkler system. No special tools required.



ATTENTION TO DETAIL - THE BASE OF PERFECTION



Silent and powerful water-cooled Kubota diesel engine. The large easy-to-open engine hood contributes to great accessibility.



The water tank has a large opening for easy filling.



Pressurized sprinkler system with a powerful water pump and self-draining sprinkler tubes and nozzles.



Fail-safe brakes on both drums (or drum + combi wheels), which apply automatically in the event of a failure in the engine, hydraulics or an electrical fault in the brake system.



Sturdy handgrips and ergonomic steps enable safe boarding.



High clearance of the edge of the drums facilitates compaction close to high curbstones. Excellent view over the drum edges for better control and compaction results.

Choose between CC and CC PLUS Packages



CC Package for Dynapac CC1100, CC1200 and CC1300 + combi versions

Included:

Backup alarm
Working lights
Foldable ROPS
incl. 3-inch seat belt

Options for CC package:

Canopy roof without ROPS
CE mark
and rotating beacon



CC PLUS Package for Dynapac CC1100, CC1200 and CC1300 + combi versions



Included:

Backup alarm
Brake release
CE Sign
Dual arm rest
Dual forward/reverse control
Foldable ROPS incl. seatbelt
Rotating beacon
Sprinkler timer
Spring-loaded scrapers

Slideable comfort seat
Vibration shut off, front drum
Working lights

Options for CC Plus package:

Driving lights, right-and-left handed
Dual frequency
Flow divider
Slidable lux seat

Options for CC and CC Plus Dynapac CC1100, CC1200 and CC1300

Biodegradable hydraulic fluid
Fire extinguisher
Footrest
Hearing protectors

License plate light
Rear-view mirror, traffic view
Service kit 50/500/1000H
Side direction lights (driving lights required)
Slow Moving Vehicle sign

Special color (one or two)
Tool set
Towing eyelet
Water tank cover, lockable

Technical Data

	CC800	CC900	CC1000	CC1100	CC1200	CC1300
Drum width, in	31,5	35	39	42	47	51
Masses						
Operating mass, lb (incl. ROPS)	3,475	3,500	3,700	5,200	5,750	8,600
Module mass, lb (front/rear)	1,630/1,845	1,650/1,850	1,730/1,970	2,500/2,700	2,800/2,975	4,200/4,400
Traction						
Speed range (mph)	0-6	0-6	0-6	0-6	0-6.2	0-6.2
Vertical oscillation (Deg)	±13	±13	±13	±10	±10	±10
Theor. Gradeability (%)	40%	40%	40%	49%	43%	37%
Compaction						
Centrifugal force, lb	3,820	3,820	3,820	5,170	6,070	7,420
Nominal amplitude, in	0,02	0,02	0,01	0,02	0,02	0,02
Static linear load lb/in (front/rear)	52/58	46/53	44/50	59/64	59/63	82/86
Vibration frequency, VPM (high/low amplitude)	4,200	4,200	4,200	3,420	3,420	3,120
Water tank, Gal	30	30	30	42	42	53
Engine						
Manufacturer/Model	Perkins 403D-11	Perkins 403D-11	Perkins 403D-11	Kubota D1701-M T4i	Kubota D1701-M T4i	Kubota V2203-M T4i
Rated power (hp), @ 2,600 rpm SAE J1995	23	23	23	35	35	44
Fuel tank capacity, Gal	6	6	6	13	13	13

	CC1100C	CC1200C	CC1300C
Drum width, in	42	47	51
Masses			
Operating mass, lb (incl. ROPS)	5,075	5,350	8,300
Module mass, lb (front/rear)	2,500/2,575	2,775/2,575	4,275/4,025
Traction			
Speed range (mph)	0-6	0-6	0-6
Vertical oscillation (Deg)	±10	±10	±10
Theor. Gradeability (%)	68%	63%	37%
Compaction			
Centrifugal force, lb	5,170	6,070	7,420
Nominal amplitude, in	0,02	0,02	0,02
Static linear load lb/in (front/rear)	59/63	59/55	83/78
Vibration frequency, VPM (high/low amplitude)	3,420	3,420	3,120
Water tank, Gal	42	42	53
Engine			
Manufacturer/Model	Kubota D1701-M T4i	Kubota D1701-M T4i	Kubota V2203-M T4
Rated power (hp), @ 2,600 rpm SAE J1995	35	35	44
Fuel tank capacity, Gal	13	13	13

Hydraulic system

Driving axial piston pump with variable displacement and servo.
Two radial piston motors with constant displacement.
Vibration gear pump/motors with constant displacement.
Steering gear pump with constant displacement.
Service brake hydrostatic in forward and reverse lever.
Parking/ emergency brake, fail-safe brake in both drums.

The Victor L. Phillips Co.

Kansas City 816-241-9290 or 800-878-9290
Joplin 417-781-8222 or 800-878-8223
Topeka 785-267-4345 or 800-878-4245
Wichita 316-838-3346 or 800-878-3346
Garden City 620-275-1996 or 800-511-1435
Springfield 417-887-2729 or 800-955-2729
Fort Smith 479-668-0352 or 844-668-0352

www.vlpc.com



Atlas Copco

Mining, Rock Excavation and Construction LLC
3700 E 68th Ave, Commerce City, CO 80022 USA
Phone: +1 800 732-6762, Fax+1 303 288-8828
www.atlascopco.us