DYNAPAC TANDEM ASPHALT ROLLERS







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

Atlas Copco



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 EXPERIENCE

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 world-wide service network. Your benefit is quality all through - in products, maintenance, service and overall performance.

In this brochure we describe the basic characteristics of our small tandem vibratory rollers - a series of highly efficient rollers that can make your project more profitable and strengthen your reputation as a trustworthy working partner.

Welcome to the world of Atlas Copco Road Construction Equipment!





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 800, 900 and 1000 mm.

GET THE JOB DONE

LOW NOISE - HIGH POWER

The powerful and quiet water-cooled 3-cylinder Kubota diesel engine produces 18,1 kW (24.3 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.

KEEPS GOING AND GOING

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

The 110-litre water tank allows long periods of work between refills*. To further extend the 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 legible instrument panel with a warning panel and a fuel gauge is standard.

EASY TRANSPORTATION

To easily transport the roller between workplaces, the machines are fitted with a robust central lifting eye that allows fast and easy loading. An optional 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 watertank - 190 liters.



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 the walls. The front and rear drum have an offset of 60 mm.

DYNAPAC CC800 CC900 CC900S CC1000

EXPERIENCE IS THE BASE OF EX-CELLENCE. DYNAPAC WILL ALWAYS HELP YOU TO REACH PERFECTION.



GET THE JOB DONE. ON TIME AND ON BUDGET.



Easily readable instrument panel with fuel gauge. Very low vibration levels in 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 with self draining sprinkler tubes and nozzles.



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

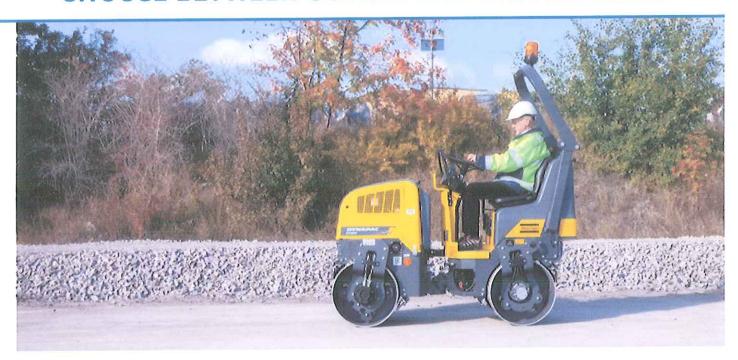


A robust central lifting eye allows fast and easy loading.



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

OPTIONS FOR CC PACKAGE:

Foldable ROPS incl. seat belt, CE mark and rotating beacon



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 Watertank, 190 I Rotating beacon Sprinkler timer ibr. shut off, front or rear drum Working lights



Driving lights, right or left handed Dual forward/reverse control Rotating beacon, ignition controlled Spring loaded scrapers

OPTIONS FOR CC AND CC PLUS DYNAPAC CC800, CC900, CC900S & CC1000

3" seatbelt Biodegradable hydraulic fluid Cert. fire protection, SBF 127 Decal risk location (GOST) Fire extinguisher

Hearing protectors Licence plate light Rear view mirror, traffic view Service kit 50/500/1000 h Side direction lights (driving lights required) Water tank cover, lockable

Slow moving vehicle sign

Special color (one or two) Tool set

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 have an operating weight of 2,4 tons to 4 tons and are 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, which 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 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 small 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 feature 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 in the event of failure 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 one of the corner-stones when it comes to building Dynapac rollers. These are built from a lot of existing parts. That means parts will be available in the future and that these models will be offered for several years to come – thus underscoring the high secondhand value of Dynapac equipment.

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 provide a power of 26 kW and the CC1300 proves 34 kW of power. 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 bio-degradable hydraulic oil.

DYNAPAC CC1100 CC1200 CC1300

ALL MODELS AVAILABLE AS COMBI VERSION

The combi 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 means less downtime.

Safety interlock to prevent accidents – Operator must be in the seat before the engine will start.

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

Silent water cooled diesel engine.

Ergonomic F&R-handle

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

Easy-drained sprinkler system – no special tools required.

ATTENTION TO DETAIL - THE BASE OF PERFECTION



Silent, 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.



3 sprinkler nozzles on all Dynapac CC1100-1300. 3 filters in the water system ensure clean water. Sprinkler timer is standard on Dynapac CC1300 as well as on all PLUS versions.



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



oturay managrips and ergonomic steps enable sate boarding.



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

CHOOSE BETWEEN CC AND CC PLUS PACKAGES



CC PACKAGE FOR CC1100, CC1200 & CC1300 + COMBI VERSIONS

INCLUDED:

Backup alarm Working lights

OPTIONS FOR CC PACKAGE:

Canopy roof without ROPS Foldable ROPS incl. seat belt, CE mark and rotating beacon



CC PLUS PACKAGE FOR CC1100, CC1200 & CC1300 + COMBI VERSIONS



INCLUDED:

Working lights

Backup alarm
Brake release
CE Sign
Dual arm rest
Foldable ROPS incl. seatbelt
Rotating beacon
Sprinkler timer
Slideable comfort seat
Vibration shut off,
front and reardrum

OPTIONS FOR CC PLUS PACKAGE:

Driving lights, right and left handed Dual forward/reverse control Dual frequency (not for CE) Flow divider Slidable lux seat Spring loaded scrapers Rotating beacon, ignition controlled

OPTIONS FOR CC & CC PLUS CC1100, CC1200 & CC1300 + COMBI VERSIONS

3" seatbelt Biodegradable hydraulic fluid Cert. Fire protection, SBF 127 Decal risk location (GOST) Fire extinguisher Foot rest

Hearing protectors Licence 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

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time.

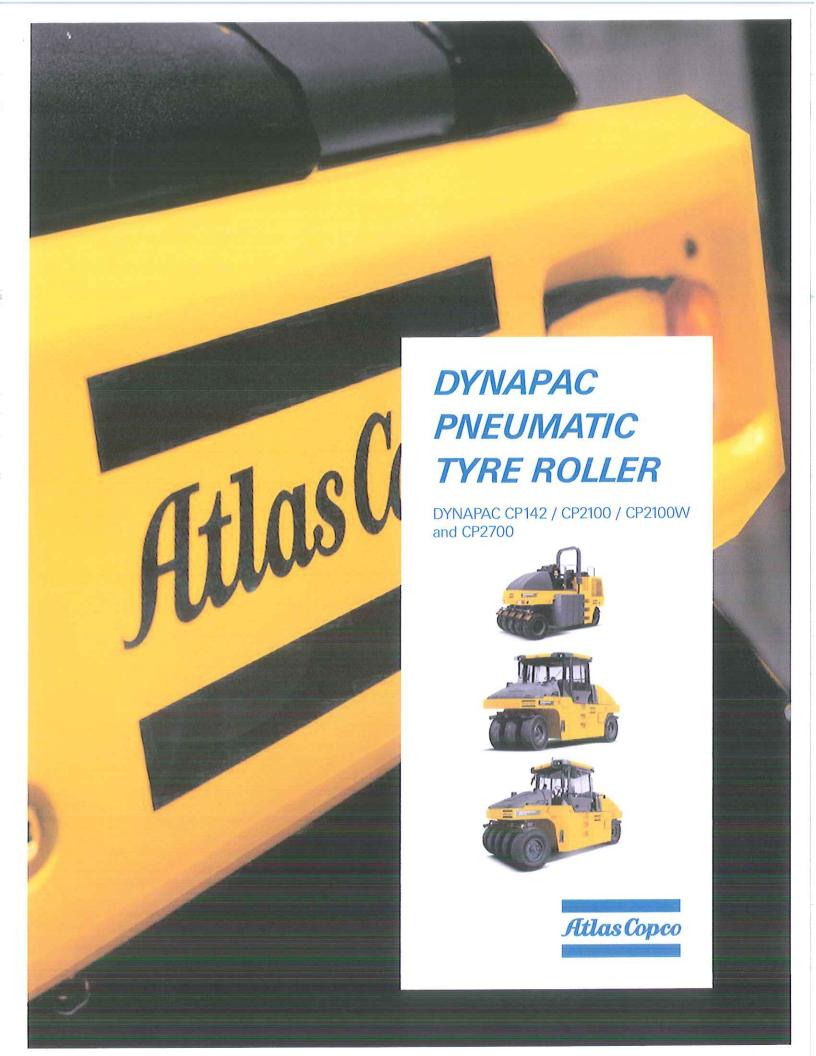
This is what we call - Sustainable Productivity.

Dynapac Compaction Equipment AB

Industrivägen 2, 371 31 Karlskrona, Sweden

Phone: +46 455 30 60 00 - Fax: +46 455 30 60 30 www.atlascopco.com





DYNAPAC PRESENTS A SERIES OF PNEUMATIC TYRE ROLLERS in the 21 - 27 ton weight class including a 21 ton wide base tyre version. The CP2100, CP2100W and CP2700 incorporate several new features that will enhance efficiency, serviceability, operator comfort and the end result. 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. By the progressive design and striking new colour scheme makes it clear to everyone that you have chosen the right machine for the job.

THE DYNAPAC TOUCH

PERFORMANCE

A pneumatic tyre 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 top quality. 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 end result quality.

SAFETY

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

Visibility and manoeuvrability are safety cornerstones. Dynapac's cab design, as well as the 4-post ROPS, minimizes obstruction of the operator's field of view. Also, 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 condition or automatic climat control, as well as on-screen troubleshooting information. A Dynapac is built for long-term productivity.

ENVIRONMENTAL CARE

Every Dynapac is designed and built with focus on reduced environmental impact. Optimized hydraulic systems and engines reduce fuel consumption and emissions, and engines complying with Stage 3A 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. And in order to assist the operator, service information is displayed on the dashboard LCD.

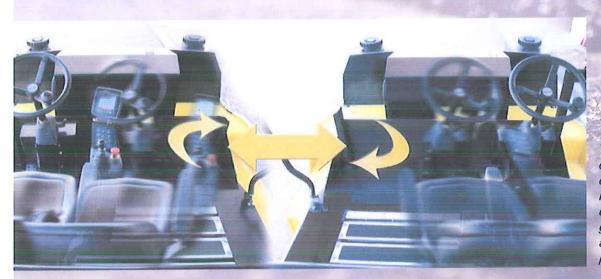
Several Dynapac models share many common components and sub-systems. This modularization simplifies stock keeping of spare parts and enable quicker service to end-users.

The new CP2100/2700 rollers are under three metres in height with Cab Redundant dual-circuit braking or ROPS. This can be a key factor system for increased reliability and safety. This means that full when transporting the braking capacity is maintained The Dynapac DCA-A roller between worksites. even if a damaged hose or compaction analysis tool provides superior other failure should disable one control. of the circuits. Asymmetrical cab and ROPS with a wide range of optional equipment. Engine type Stage 3A standard for all markets. Optional back-up sprinkler pump. Choice of two travel speeds 01 AtlasCopco 24 volts electrical system increases cranking capacity and general durability. Fully hydraulic propulsion reduces maintenance costs. Easy and fast drain of water ballast increases Modular design enhanc-Optional air-on-the-run for productivity. es serviceability. adjusting tyre pressures.

ATTENTION TO DETAILS THE BASE OF PERFECTION

VALUE YOU CAN COUNT ON

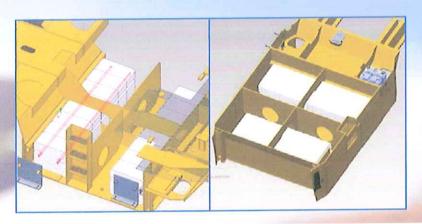
- Dynapac Compaction Analyzer: The optional DCA-A analyzer takes the guesswork out of compaction by monitoring asphalt temperature and the number of passes. Achieving the optimum density and surface texture in six passes instead of eight can save 25% in the cost of operating a roller and reduce the number 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-mai ntained 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.



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.

FLEXIBLE STEEL BALLAST COMPARTMENT

There is a very flexible steel ballast system for easy weight adjustment improving performance in any job site. To achieve the same ground pressure on front and rear tyres, the ballast is distributed evenly, whether water, sand or steel is used.



DYNAPAC CP2100: FLEXIBLE STEEL BALLAST SYSTEM WITH 2 OPTIONS

- 7 ballast 3.5 ton / 7.7 lbs
- 13 ballast 6.5 ton / 14.3 lbs

DYNAPAC CP2700: FLEXIBLE STEEL BALLAST SYSTEM WITH 4 OPTIONS

- 4 ballasts (2 ton / 4.4 lbs)
- 8 ballasts (4 ton / 8.8 lbs)
- 12 ballasts (6 ton / 13.2 lbs)
- 16 ballasts (8 ton / 17.6 lbs)

DYNAPAC CP2100 APPROXIMATE WEIGHTS

Operating Weigh includes lubricants, coolant, 75 kg(165 lb) operator, full fuel tank, full water tank, full hydraulic system

WEIGHTS	PLATF	ORM	ROPS	S	CA	В
Shipping mass (Empty tanks, no operator)	9400 kg	20680 lb	9840 kg	21648 lb	9980 kg	21956 lb
Operating Weight - Machine Empty	9955 kg	21901 lb	10395 kg	22869 lb	10535 kg	23177 lb
Operating Weight - Water Ballast	12325 kg	27115 lb	12765 kg	28083 lb	12905 kg	28391lb
Operating Weight - Sand Ballast	15425 kg	33935 lb	15865 kg	34903 lb	16005 kg	352111b
Operating Weight - 13 steel ballasts	15900 kg	34980 lb	16340 kg	35948 lb	16480 kg	36256 lb
Operating Weight - Wet Sand + 13 steel ballasts (MAX)		44924 lb	20860 kg	45892 lb	21000 kg	46200 lb
Operating Weight - Water + 13 Steel Ballasts	18855 kg	41481 lb	19295 kg	42449 lb	19435 kg	42757 lb
Operating Weight - 7 steel ballasts	12900 kg	28380 lb	13340 kg	29348 lb	13480 kg	29656 lb
Operating Weight - Wet sand + 7 steel ballasts	18200 kg	40040 lb	18640 kg	41008 lb	18780 kg	41316 lb
Operating Weight - Water + 7 steel ballasts	15550 kg	34210 lb	15990 kg	35178 lb	16130 kg	35486I b
Note: Wet sand ballast based on 2000 kg per m ³						

DYNAPAC CP2700 APPROXIMATE WEIGHTS

Operating Weigh includes lubricants, coolant, 75 kg (165 lb) operator, full fuel tank, full water tank, full hydraulic system

WEIGHTS	PLAT	FORM	RO	PS	CA	В
Shipping mass (Empty tanks, no operator)	11120 kg	24464 lb	11560 kg	25432 lb	11700 kg	25740 lb
Operating Weight - Machine Empty	11888 kg	26153 lb	12328 kg	27121lb	12468 kg	27429 lb
Operating Weight - Water Ballast	16088 kg	35393lb	16528 kg	36361lb	16668 kg	36669 lb
Operating Weight - Water Ballast	20288kg	44633 lb	20728 kg	45601lb	20868 kg	45909 lb
Operating Weight - Wet Sand + 16 steel ballasts (MAX)		58124 lb	26860 kg	59092 lb	27000 kg	59400 lb
Operating Weight - Water + 16 Steel Ballasts	22988 kg	50573 lb	23708 kg	52157 lb	23568 kg	51849 lb
Operating Weight -16 steel ballasts	19888 kg	43753 lb	20328 kg	44721lb	20468 kg	45029 lb
Operating Weight - Wet sand + 12 steel ballasts	24688 kg	54313 lb	25128 kg	55281lb	25268 kg	55589 lb
Operating Weight - Water + 12 steel ballasts	21288 kg	46833 lb	21728 kg	47801lb	21868 kg	48109 lb
Operating Weight -12 steel ballasts	17888 kg	39353 lb	18328 kg	40321lb	18468 kg	40629 lb
Operating Weight - Wet sand + 8 steel ballasts	23088 kg	50793 lb	23528 kg	51761lb	23668 kg	52069 lb
Operating Weight - Water + 8 steel ballasts	19488 kg	42873 lb	19928 kg	43841lb	20068 kg	44149 lb
Operating Weight - 8 steel ballasts	15888 kg	34953 lb	16328 kg	35921lb	16468 kg	36229 lb
Operating Weight - Wet sand + 4 steel ballasts	21688 kg	47713 lb	22128 kg	4868 lb	22268 kg	48989 lb
Operating Weight - Water + 4 steel ballasts	17788 kg	39133 lb	18228 kg	40101lb	18368 kg	40409 lb
Operating Weight - 4 steel ballasts	13888 kg	30553 lb	14328 kg	3152 lb	14468 kg	31829 lb
Note: Wet sand ballast weight based on 2000 kg per m ³			TOTAL PARTIES AND THE PARTIES			

THE HIGHLY COST-EFFICIENT CP142 is the smallest of Dynapac's series of pneumatic tyre 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 efforts in 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 for chip-sealing and to compact asphalt for sealing purposes, and to compact base, sub-base and stabilized soil.

VALUE FOR MONEY

STRONG AND SMOOTH

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 the reliable Cummins QSB 3.3 T3A with an output of 74 kW or 99 hp, and the muffler and exhaust pipes are hidden under the hood for best possible visibility backwards.

RELIABLE PERFORMANCE

The ergonomic designed F/R handle, located on the right side of the operator's seat, makes operation smooth and easy. With full control of the engine power applied the surface quality and end result is maintained at top level. 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 properties both from a quality and a safety viewpoint. In the CP142 the operator seat is placed in the centre, and the ROPS is placed not to obstruct the view. The operator can keep an eye on the finest details – and stay aware of movements close to the machine.

BUSINESS AND PLEASURE

In the Dynapac CP142,the operator's unit feature 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 drivers 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 Stage 3A are fitted as standard. Our machines allow the use of bio-degradable hydraulic fluids, and by cautious 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 trouble-free and fast maintenance and routine service.



Service - easier than ever

Daily service points are few and within reach.

DYNAPAC CP142 PNEUMATIC ROLLER



TECHNICAL DATA DYNAPAC PNEUMATIC TYRE ROLLERS

	CP142	CP2100	CP2100 W	CP2700
Operating mass, kg (incl. ROPS)	6000/12000	9 450	9 450	12 400
Max. operating mass, kg	14 000	21 000	21 000	27 000
Wheel load, std/max, kg/wheel	670/1560**	1350/3000*	1350/3000°	1200/3000**
Speed, km/h	0-18	0-20	0-20	0-20
Propulsion, rear	4 Wheels	4 Wheels	4 Wheels	4 Wheels
Water tanks, liters	500	415	415	415
Number of tires	5 front/4 rear	3 front/4 rear	3 front/4 rear	5 front/4 rear
Tyre pressure, kPa	450-630	250-850	250-850	250-850
DIMENSIONS				
Compaction width, mm	1 760	1 800	2 280	2 300
Length, mm	3 580	5 180	5 180	5 480
Width, mm	1 760	2 032	2 265	2 332
Height, w/w.o ROPS, mm	2990/2295	2990/2260	2945/2215	2990/2260
ENGINE				
Model	Cummins QSB	Cummins QSB	Cummins QSB	Cummins QSB
Rated power, SAE J1995,	3.3	3.3 Tier3	3.3 Tier3	4.5 Tier3 or Tier4i
at 2200 rpm, kW (hp)	74 (99)	74 (99)	74 (99)	85 (110)

Standard Equipment CP142

Ballast boxes, 6
Cover, instrument panel
Dual scrapers with cocoa mats
Fuel gauge
Horn
Hour meter
Hydraulic check points
Hydraulic oil lever indicator
Interloc system
Key master and start
Lifting and tiedown eyes
Main battery switch
Neutral start arrangement
Pressurized sprinkler system
ROPS (incl. seat belt) *
Tool box
Towing eyelets
Tyres, 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

Optional Equipment CP142

Optional Equipment CF145
Biallast boxes, 2 extra for full ballast
Biologically degradable hydraulic oil
Canopy (not for ROPS)
Driving lights
Rotating beacon
Seat belts, 3"
Slow Moving Vehicle sign (SMV)
Spare wheel
Sprinkler timer
Tool kit
Working lights

Standard Equipment CP2100/2700

Battery switch
Choice of 2 travel speeds
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 n
Interloc system
Key master and start
Lifting points
Parking brake
Redundant brake system
Sliding and swiveling operator unit
Speedometer

lachometer 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 temperatur
Warning - Low chartie

Warning – Engine temperature
Warning – Hydraulic fluid temperate
Warning – Low charge
Warning – Low fuel level
2 multi-disc brakes for parking and
dynamic service brake

Std Equipment for Cab CP2100/2700

Air filtering system
Fan, fresh air (3-speed)
Interior light
Rear view mirror, internal
Seat belt
Safety glass, tinted
Side windows, openable
Heater

Optional Egipment CP2100/2700

Air on the run
Asphalt temperature meter
AWC (Automatic Water Control)
Back up alarm
Biodegradable hydraulic fluid
Cab, asymmetric, ROPS
Canopy
Cocoa mats
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, working, front/rear for
cab/ROPS/canopy

Rear view mirrors, external ROPS, 4 posts, with roof and seat belt Rotating beacon

Seat, luxury for platform and cab Slow moving vehicle sign Sprinkler and scraper system Sprinkler back up pump Sprinkler timer

Tool set
Tooling eyelets front & rear
Vandal cover for instrument panel (not

Water level gauge
Water tank covers, lockable
3 inch seat belt

Opt. Equipment for Cab CP2100/2700

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

'7 wheels
" 9 wheels

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call - Sustainable Productivity.

Road Construction Equipment Division

Dynapac Brasil Indústria e Coércio Ltda.

Av. Georg Schaeffler, 430, 18087-175, Sorocaca, SP, Brasil phone: 55 15 3412 7500, Fax 44 15 3412 7522,

www.atlascopco.com



Dynapac Tandem Asphalt Rollers



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



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.











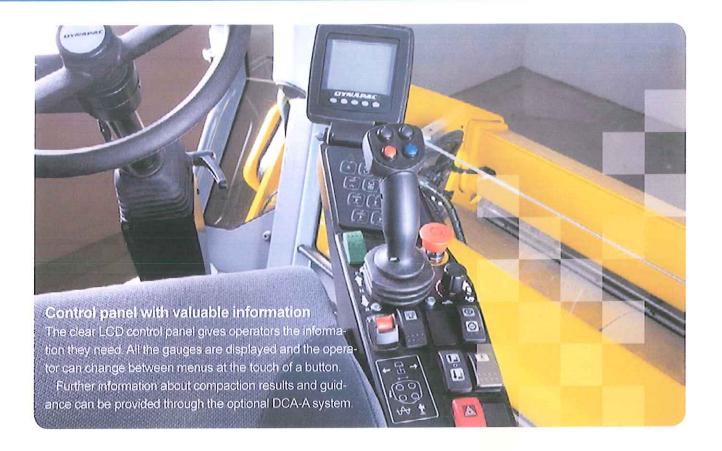
OPERATOR FOCUS

COMPACTION

SERVICEABILITY **VIBRATIONS**



UNIQUE CHARACTERISTICS



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.

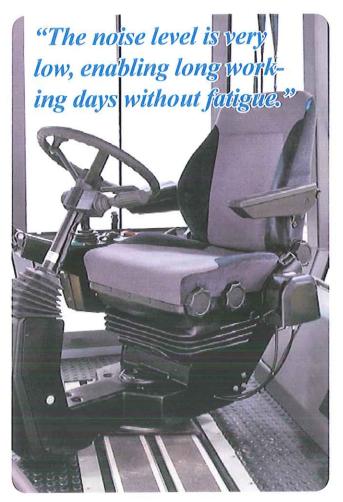
Dynapac's automatic engine idling system together with a highly efficient hydraulic system makes fuel consumption low and efficient.

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.



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 faciliates 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.

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.



ATTENTION TO DETAILS - THE BASE OF PERFECTION



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 Atlas Copec 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.

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.

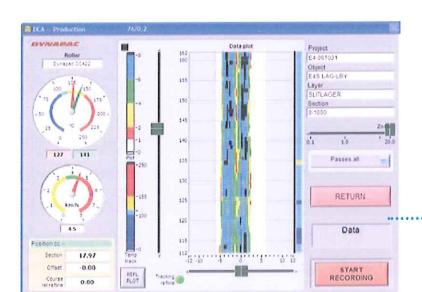
DYNAPAC COMPACTION ANALYZER



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 temperarure)

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, economomy 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** IIIB/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)



Asymmetic 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 Chipspreader (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)

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



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

C	C2200	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 (De	g) ±7	±7	±7	±7	±7	±7	±7	±7	±5
Theor. Gradeability (%) 42	39	37	35	37	45	40	36	30
Compaction									
Centrifugal force, lb 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
(high/low amplitude) 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, VPN (high/low amplitude)	1 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
Engine									QSB 6.7(T4i)
Manufacturer/Model		Deutz	TCD 3.6 IIIB/T4i			Cum	mins QSB 4.5 III	B/T4i	Water Cooled
Туре	W	ater Cooled Turk	oo Diesel with Afte	er Cooler		Water Coole	d Turbo Diesel w	ith After Cooler	Turbo Diesel w.
Rated power,		100 hr	@ 2,200 rpm			130 1	np @ 2,200 rpm		After Cooler
SAE J1995			sames IV of				m - ask c - c/2		220hp @ 2,000rpm
Fuel tank capacity, Ga	1		34				63		89

Standard Features

Automatic vibration control (AVC)

Automatic water control (AWC)

Back-up alarm

Display: Engine temp, Fuel level, Frequency/impactometer, Hydr. temp

Speedometer, Tachometer, Voltage, VPM, Water level

Filters for sprinkler system

Hydraulic check points

Lunch box holder

Operator platform, shock mounted

Pressurized sprinkler system

ROPS canopy w/suspension seat & 3" seat belt

Rotating beacon

Sliding and swiveling operator's platform

Spring loaded scrapers

Sprinkler timer

Sprinkler system additional (Two bars per drum)

Steering wheel tilt able

Vandal cover for instrument panel

Vibration quick stop

Vibration shut off front or rear drum

Warning lights: Air cleaner, Brake, Clogged hyd fluid filter,

Engine oil pressure/temp, Hyd oil temp, Low charge, Low fuel

Working lights, Rops mounted



Dynapac CC1200 Double drum vibratory rollers





Technical data

Masses	
Max. operating mass	6,000 lbs
Operating mass (incl. ROPS)	5,700 lbs
Module mass (front/rear)	2,800/2,900 lbs

Propulsion	
Speed range	0-6 mph
Vertical oscillation	±10°
Theor. gradeability	30 %

Compaction	
Centrifugal force	7,420/8,170 lb
Nominal amplitude	0.020 in
Static linear load (front/rear)	59/63 lbs/in
Vibration frequency	3,780/3,960 vpm
Water tank	42 gal

Engine	
Manufacturer/Model	Kubota D1703-M (T4i)
Туре	Water cooled
Rated power, SAE J1995	35 hp @ 2,800 rpm
Fuel tank capacity	13 gal

Hydraulic system	
Driving	Axial piston pump with variable displacement. Radial piston motors (2) 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	Failsafe multidisc brake in both drums.

Dynapac CC2200 Double drum vibratory rollers





Technical data

4	Masses	
	Max. operating mass	19,800 lbs
	Module mass (front/rear)	8,500/8,500 lbs
0	Propulsion	
	Speed range	0 -7.5
	Vertical oscillation	±7°
	Theor. gradeability	42 %
#	Compaction	
	Centrifugal force (high/low amplitude)	17,540/15,060 lb
	Nominal amplitude (high/low)	0.03/0.01 in
	Static linear load (fronVrear)	144/144 lbs/in
	Vibration frequency (high/low amplitude)	2,880/4,020 vpm
	Water tank	198 gal

e e e e Engine	
Manufacturer/Model	Deutz TCD 3.6 IIIB/T4i
Rated power, SAE J1995	100 hp @ 2,200 rpm
Fuel tank capacity	34 gal

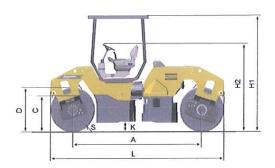
Hydraulic system	
Driving	Axial piston pump with variable displacement. Axial piston motors (2) with variable displacement.
Vibration	Axial piston pumps (2) with variable displacement. Axial piston motors (2) with constant displacement.
Steering	Gear pump with constant displacement.
Service brake	Hydrostatic in forward and reverse lever.
Parking/Emergency brake	Failsafe multidisc brake in both drums.

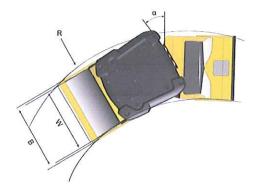
Dynapac CC2200

Double drum vibratory rollers



Technical data





A. Wheelbase	131 in
B. Width	100 in
C. Curb clerance	28 in
D. Drum diameter	45 in
H1. Height, with ROPS/cab	118 in
H2. Height, w/o ROPS/cab	90 in
K. Ground clearance	11 in
L. Length	177 in
R. Turning radius, outside	17 ft
S. Drum shell thickness	0.7 in
W. Drum width	59 in
a. Steering angle	±32°



Standard equipment

- Automatic vibration control (AVC)
 Automatic water control (AWC)
 Back-up alarm

- Display: Engine temp, Fuel level, Frequency/impactometer, Hydr. temp Speedometer, Tachometer, Voltage, VPM, Water level
 Filters for sprinkler system
 Hydraulic check points

- Lunch box holder

- Operator platform, shock mounted
 Pressurized sprinkler system
 ROPS canopy w/suspension seat & 3" seat belt
 Rotating beacon
- Sliding and swiveling operator's platform
 Spring loaded scrapers
 Sprinkler timer

- Sprinkler system additional (Two bars per drum)

- Sprinkler system additional (Two bars per drum)
 Steering wheel tilt able
 Vandal cover for instrument panel
 Vibration quick stop
 Vibration shut off front or rear drum
 Warning lights: Air cleaner, Brake, Clogged hyd. fluid filter,
 Engine oil pressure/temp, Hyd oil temp, Low charge, Low fuel
 Working lights, Rops mounted



- Asphalt Temp Meter
 Compaction Analyzer
- Drum Edge Lights ■ Whisper Cab Package

Dynapac CP142

Pneumatic rollers





Technical data

Masses		
Operating mass (incl. ROPS)	13,228 lbs	
Operating mass (incl. ROPS) with 2 ballast boxes	17,637 lbs	
Operating mass (incl. ROPS) with 4 ballast boxes	22,046 lbs	
Operating mass (incl. ROPS) with 6 ballast boxes	26,456 lbs	
Operating mass (incl. ROPS) with 8 ballast boxes (option)	30,865 lbs	

Propulsion	
Transmission	Hydrostatic, direct drive motors at rear tires
Theor, gradeability	30 %
Speed range	6 /12 mph

T Com	Compaction	
Rollin	ng width	69 in
Tire o	уелар	0.5 in
Whe	el loads, without ballast	1,477 lbs
Tire t	ype (smooth)	7.50-15, 14 ply
Wate	r spray system, type	Pressurized, electric pump
Wate	r spray system, tank capacity	132 gal
Wate	r spray system, spray nozzle	one per tire
Num	ber of tires	5 front, 4 rear
Whe	el loads, with 2 ballast boxes	1,962 lbs
Whe	el loads, with 4 ballast boxes	2,447 lbs
Whe	el loads, with 6 ballast boxes	2,932 lbs
Whe	el loads, with 8 ballast boxes on)	3,439 lbs
Whe	el oscillation (°)	±3

oooj Engine	
Manufacturer/Model	Cummins QSB 3.3
Rated power, SAE J1995	99 hp @ 2,200 rpm
Fuel tank capacity	37 gal
Electrical system	12 V

Hydraulic system	
Service brake	Hydrost. braking on drive wheels (rear)
Parking/Emergency brake	Spring -applied on drive wheels (rear)

Dynapac CP142 Pneumatic rollers



Technical data

