

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 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.





DYNAPAC
CC1200

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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.



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 CC800 CC900 CC900S CC1000

Dynapac will always help you maximize your equipment's performance.

ON TIME AND ON BUDGET

Standard foldable ROPS.

Central lifting point.

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

Spacious operator platform.

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 sprinker system with a powerful water pump and self-draining sprinker 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.

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:

Biodegradable hydraulic fluid
Driving lights, right-or-left handed
Dual forward/reverse control
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)
Spring-loaded scrapers
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 T4f engines which fulfil the latest emission legislation requirements.

COMPACT EFFICIENCY

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 Dynapac CC1100 and 1200 are powered by a fuel-efficient 25 hp Kubota engine which complies with the latest engine emission legislations without the cost and complexity of an after treatment system. These rollers are equipped with Dynapac's efficient eccenters, giving the roller optimal performance in the vibration starting process. The Dynapac 1300 features a 49 hp engine which is quieter than ever.

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 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 – The operator must be in the seat before the engine will start.

Ergonomic F/R handle.

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

Silent, water-cooled diesel engine.

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.



DYNAPAC CC1100, CC1200, 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:

Biodegradable hydraulic fluid
Driving lights, right-or-left handed
Dual frequency (CC1100/1200)
Flow divider
Fire extinguisher
Footrest
Hearing protectors
License plate light
Rear-view mirror, traffic view
Service kit 50/500/1000H
Side direction lights (driving lights required)

Slidable lux seat
Slow Moving Vehicle sign
Special color (one or two)
Tool set
Towing eyelet
Water tank cover, lockable

	CC800	CC900	CC900S	CC1000	CC1100	CC1200	CC1300
Drum width, in	31,5	35	35	39	42	47	51
MASSES							
Operating mass, lb (incl. ROPS)	3,475	3,500	3,600	3,700	5,200	5,750	8,600
Module mass, lb (front/rear)	1,630/1,845	1,650/1,850	1,700/1,900	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	0-6.2	0-6.2
Vertical oscillation (Deg)	±13	±13	±13	±13	±10	±10	±10
Theor. Gradeability (%)	40%	40%	40%	40%	49%	43%	37%
COMPACTION							
Centrifugal force, lb	3,820	3,820	3,800	3,820	3,940/7,520	4,550/8,660	8,100
Nominal amplitude, in	0,02	0,02	0,01	0,01	0,02	0,02	0,02
Static linear load lb/in (front/rear)	52/58	46/53	49/53	44/50	59/64	59/63	82/86
Vibration frequency, VPM (high/low frequency)	4,200	4,200	4,200	4,200	2,940/4,140	2,940/4,140	3,180
Water tank, Gal	30	30	30	30	42	42	53
ENGINE							
Manufacturer/Model	KubotaD1105-E4B	KubotaD1105-E4B	KubotaD1105-E4B	KubotaD1105-E4B	Kubota D1703-D1 T4f	Kubota D1703-D1 T4f	Kubota D1803-CR TE4B T4f
Rated power (hp) SAE J1995	24@2800 rpm	24@2800 rpm	24@2800 rpm	24@2800 rpm	25@2200 rpm	25@2200 rpm	49@2700 rpm

	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	3,940/7,520	4,550/8,660	8,100
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 frequency)	2,940/4,140	2,940/4,140	3,180
Water tank, Gal	42	42	53
ENGINE			
Manufacturer/Model	Kubota D1703-M T4f	Kubota D1703-M T4f	Kubota D1803-CR-TE4B T4f
Rated power (hp), SAE J1995	25@2200 rpm	25@2200 rpm	49@2700 rpm
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.

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.

Atlas Copco Road Equipment
Construction Equipment North America LLC
1059 Paragon Way, Rock Hill, SC 29730
Tel. 800 732-6762 Fax. 303-288-8828
www.atlascopco.us

