

# DYNAPAC TANDEM ASPHALT ROLLERS

Dynapac CC800, CC900, CC900S, CC1000  
CC1300, CC1300C



*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 - 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 Dynapac Road Construction Equipment!





**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 3-cylinder Kubota diesel engine produces 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 30 gal (110 l) or 50 gal (190 l) 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.



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## 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 drum have an offset of 2.36 in (60 mm).

# DYNAPAC CC800 CC900 CC900S CC1000

EXPERIENCE IS THE BASE OF EXCELLENCE.  
DYNAPAC WILL ALWAYS HELP YOU TO  
REACH PERFECTION.

Foldable ROPS.

Spacious  
operator  
platform.

Central lifting point.

Powerful and silent 3  
cylinder water cooled  
diesel engine.

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

Ergonomic board-  
ing steps.

Fail-safe  
brakes

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 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 optional 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. 3" seat belt
- Large water tank, 50 gal (190 l)
- Rotating beacon
- Spring-loaded scrapers
- 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)
- Tool set
- Water tank cover, lockable

**DYNAPAC'S ARTICULATED COMPACT TANDEM ROLLER** – the Dynapac CC1300 – is designed for compaction on city streets where size and noise matter most. The roller has an operating weight of 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, which is quieter than ever.

# QUIETER THAN EVER

## ON THE SURFACE

The double drum model 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.

The CC1300 is perfect for urban areas, streets and roads. The roller 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. This means parts will be available in the future and that these models will be offered for several years to come – thus underscoring the high second-hand 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 (49 hp) diesel engine. The low noise level benefits the operator and the surroundings, especially during night work.

Long service intervals mean fewer oil changes and less cost 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.

### 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.



## DYNAPAC CC1300

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.

Silent water cooled diesel engine.

Ergonomic F&R-handle

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

Easy-drained sprinkler system – no special tools required.



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

## ATTENTION TO DETAIL - THE BASE OF PERFECTION



Silent, powerful water cooled Kubota (49 hp) diesel engine. The large easy-to-open engine hood provides easy accessibility.



The water tank has a large opening for easy filling.



There are three sprinkler nozzles and three filters in the water system on all CC1300 rollers which ensures the use of clean water. Sprinkler timer is standard for all CC1300.



Fail safe brakes on both drums (or drum + combi wheels) which apply automatically in the event of engine failure, hydraulics or 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 curb stones. Excellent view over the drum edges for better control and compaction results.

## DYNAPAC 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
- 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

### HYDRAULIC SYSTEM

Driving Axial piston pump with variable displacement and servo steering.

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.



# TECHNICAL DATA

## IMPERIAL

	CC800	CC900	CC900S	CC1000	CC1300	CC1300C
Drum width, in	31.5	35	35	39	51	51
<b>MASSES</b>						
Operating mass, lb (incl. ROPS)	3,475	3,500	3,600	3,700	8,600	8,300
Module mass, lb (front/rear)	1,630/1,845	1,650/1,850	1,700/1,900	1,730/1,970	4,200/4,400	4,275/4,025
<b>TRACTION</b>						
Speed range (mph)	0-6	0-6	0-6	0-6	0-6.2	0-6
Vertical oscillation (Deg)	±13	±13	±13	±13		±10
Theor. Gradeability (%)	40%	40%	40%	40%	37%	37%
<b>COMPACTION</b>						
Centrifugal force, lb	3,820	3,820	3,800	3,820	8,100	8,100
Nominal amplitude, in	0,02	0,02	0,01	0,01	0,02	0,02
Static linear load lb/in (front/rear)	52/58	46/53	49/53	44/50	82/86	83/78
Vibration frequency, VPM (high/low frequency)	4,200	4,200	4,200	4,200	3,180	3,180
Water tank, Gal	30	30	30	30	53	53
<b>ENGINE</b>						
Manufacturer/Model	KubotaD1105-E4B	KubotaD1105-E4B	KubotaD1105-E4B	KubotaD1105-E4B	Kubota D1803-CR TE4B T4f	Kubota D1803-CR TE4B T4f
Rated power (hp) SAE J1995	24@2800 rpm	24@2800 rpm	24@2800 rpm	24@2800 rpm	49@2700 rpm	49@2700 rpm

## METRIC

	CC800	CC900	CC900S	CC1000	CC1300	CC1300C
Drum width, mm	800	900	900	1000	1300	1300
<b>MASSES</b>						
Max. operating mass, kg	1,665	1,665	1,705	1,750	4,030	3,900
Operating mass (incl. ROPS), kg	1,575	1600	1,660	1,685	3,900	3,750
Module mass (front/rear), kg	740 / 835	750 / 850	800 / 860	790 / 895	1,900 / 2,000	1,930 / 1,820
<b>TRACTION</b>						
Speed range	0-9	0-9	0-9	0-9	0-10	0-10
Vertical oscillation, °	±13	±13	±13	±13	±10	±10
Theor. gradeability %	40 %	40 %	50 %	40 %	37 %	37 %
<b>COMPACTION</b>						
Centrifugal force, kN	17	17	17	17	33	33
Nominal amplitude, mm	0.4	0.4	0.35	0.33	0.5	0.5
Static linear load (front/rear), kg/cm	9.3/10.4	8.3 / 9.4	8.8 / 9.5	7.9 / 8.9	14.6 / 15.4	14.8 / 14
Vibration frequency, Hz	70	70	70	70	52	52
Water tank, l	110 CC / 190 Plus	200	200			
<b>ENGINE</b>						
Manufacturer/ Model	Kubota D1105-E4B	Kubota D1105-E4B	Kubota D1105-E4B	Kubota D1105-E4B	Kubota V2203-M	Kubota V2203-M
Rated power, SAE J1995, kW	18@2,800 rpm,	18@2,800 rpm,	18@2,800 rpm,	18@2,800 rpm,	33@2600	33@2600
Manufacturer/ Model					Kubota D1803-CR-TE4B	Kubota D1803-CR-TE4B
Rated power, SAE J1995, kW					37@2700	37@2700

We reserve the right to change specifications without notice. Photos and illustrations do not always show standard versions of machines. The above information is a general description only, is not guaranteed and contains no warranties of any kind.

**Your Partner on the Road Ahead**



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