

DYNAPAC TANDEM ASPHALT ROLLERS

Dynapac CC900G, CC950, CC1250

Dynapac CC2200, CC3800

Dynapac CC4200, CC5200, CC6200



THE DYNAPAC CC900G comes with a Honda gasoline engine, drum width of 900 mm, and operating weight of appr. 1.25 tons. The machine is used primarily for small-scale compaction work such as patching, bicycle paths, parking lots, driveways, etc.

The Dynapac CC950 is equipped with a diesel Kubota engine and with an operating weight of app. 1.35 tons.

SMALL SIZE, BIG IMPACT

CC900G is a modern small tandem roller with an operating weight of appr. 1.25 tons. This machine comes with a Honda gas engine and a drum width of 900 mm.

The machine is used primarily for small-scale compaction work such as patching, bicycle paths, parking lots, driveways, etc.

The powerful, air cooled, 2-cylinder, 4-stroke Honda gas engine produces 14.2 kW (19 hp @ 3000 rpm). Together with the large drum diameter and drive motors connected in series, it contributes to excellent accessibility and gradeability. Both drive motors are equipped with fail-safe brakes.

The machine has vibration on front drum (70 Hz) and a static rear drum. The rear drum is equipped with shock mounts to minimize operator platform vibration.

The spacious operator's platform with ergonomically positioned step make the machine extremely driver-friendly and safe. A large 190 liter water tank allows long periods of work between refills.

In order to reduce maintenance costs, the machine has long service intervals and has a maintenance-free steering hitch and steering cylinder. The few remaining service points are easily accessible.

The instrument panel has hour meter, switch horn, warning lights for brakes and hydraulic oil temperature, and water sprinkler control.

Foldable ROPS is standard equipment keeping transport height to a minimum.

The Dynapac CC950 equipped with a EPA Tier 4 Kubota diesel engine.

LOW TOTAL COST OF OWNERSHIP

A low total cost of ownership has always constituted guidelines for Dynapac Road Compaction Equipment product development. For this reason high capacity, high reliability and high quality are natural features in all Dynapac products. We also offer excellent access to service and a very high second hand value.

Standard Equipment CC900G

Parking brakes, Horn, Hour meter, Ignition key, Propulsion in both drums, Foldable ROPS (incl. seat belt), Seat safety switch, Sliding operator seat, Towing eyelet (front/rear), Vibration on front drum, Cup Holders, Carbon Canister, Fuel Level gauge

Standard Equipment CC950

Emergency stop, Horn, Hour meter, Ignition key, Propulsion in both drums, Foldable ROPS (incl. seat belt), Seat safety switch, Sliding operator seat, Towing eyelet (front/rear), Vibration on front drum, Warning light for brakes, Cup Holders, Low Fuel level meter, LED working lights

Option for CC900G

LED working lights

"No matter the application. Dynapac will always offer an optimized solution."

Maintenance-free steering hitch and steering cylinder.

Spacious operator's platform with ergonomically positioned step.

Towing eyelet, front and rear.

Large water tank, 190 liters

"Fail-safe" brakes on both drum drive motors.

High clearance adjacent to the edge of the drums, both on left and right side, facilitates compaction close to high kerbstones, etc.

	Dynapac 900G	Dynapac 950
Masses		
Max. operating mass	1300 kg	1400 kg
Operating mass (incl. ROPS)	1250 kg	1350 kg
Module mass (front/rear)	544/708 kg	645/705kg
Traction		
Speed range	0-8 km/h	0-8 km/h
Vertical oscillation	±13°	±13°
Theor. gradeability	35 %	35 %
Compaction		
Centrifugal force	16.7 kN	16.7 kN
Nominal amplitude	0.4 mm	0.4 mm
Static linear load (front/rear)	6.1/7.9 kg/cm	7.1/7.8 kg/cm
Vibration frequency	70 Hz	70 Hz
Water tank (l)	190 l	190 l
Engine		
Manufacturer/Model	Honda GX630	Kubota D722-E4B
Type	4-stroke gasoline	Vertical water cooled 4cycle IDIDiesel engine
Rated power, SAE J1995	14.2 kW (19 hp) @ 3,000 rpm	14.9KW(20.3HP) D722-E4B@3600 rpm
Fuel tank capacity	23 l	23 l

DYNAPAC'S NEW articulated compact tandem roller – the CC1250 – is designed for compaction on city streets, where size and noise matter most. The new roller has an operating weight range up to 3100 kg. This model features an improved design and a new engine, which is quieter than ever. Dynapac has created this roller with both the operator and quality roads in mind.

STREET-SMART COMPACT TANDEM ROLLER

ON THE SURFACE

This double drum model features vibration and drive on both drums. The large drum diameter makes them especially effective on soft asphalt. The ratio of drum diameter to static linear load reduces the risk of cracks.

This roller is perfect for urban areas, streets and roads.

IN THE DRIVER'S SEAT

Forward and reverse movement of seat and improved visibility results better compaction. This is true even close to high curbs because of the ample clearance at the edge of the drums.

This roller feature a new control panel, lower noise and vibration levels to reduce operator fatigue. A very low center of gravity keeps the machines stable, and sturdy handgrips and boarding steps make it safer to get on and off the machine.

An interlock system prevents accidental engine starting. 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

A separate filter in the water system mean no clogged sprinker nozzles. The entire system can be drained easily without special tools. Filters for hydraulic fluid, engine oil and fuel are easily accessible.

SUSTAINABLE PRODUCTIVITY

Dynapac develops and manufactures products with the goal of sustainability: lower operating costs and long-lasting, quality equipment that creates high-quality results for the companies who use Dynapac. This articulated small tandem roller is no exception.

The Dynapac CC1250 is powered by a 26 kw water-cooled Kubota diesel engine. Important especially during night work is the very low noise level, which is good for the operator and the city around him.

It features a new electric system with an Electronic Control Unit. The ECU controls all vital electric functions on the machine and makes the electric system even more reliable.

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.

<i>Masses</i>	<i>CC1250</i>
Max. operating mass, kg	3 100
Operating mass (incl. ROPS) kg	3 000
Module mass (front/rear kg)	1 400/1 600

<i>Dimensions</i>	
Drum width , mm	1200

<i>Compaction</i>	
Static linear load , front kg/cm	11.66
Static linear load, rear kg/cm	13.3
Centrifugal force, kN	27
Nominal amplitude, mm	0.5
Vibration frequency, Hz	58

<i>Engine</i>	
Manufacturer/Model	Kubota D1703-M
Type	Water cooled
Rated power, hp	35
Rated power, SAE J1995 @ 2,800 rpm , kW	26



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

Silent water cooled engine

New ergonomic F&R-handle

Corrosion-free, impact-resistant water tank is made of recyclable material. Large opening for filling.

Hydraulic fluid, engine oil and fuel system filters are easy to reach and easy to change. And long service intervals means less downtime.

Non-clogging sprinkler nozzles.

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

Easy-drain sprinkler water-system – no special tools required.



DYNAPAC LARGE TANDEM ROLLERS

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 MIND

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 750 litres for the CC2200 - CC3800, 900 liters for CC4200 and as much as 1400 liters as an option for 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 1 x 1 metre view and full visibility of all working functions.

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

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.



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. For all machines, Tier III versions are available. 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.

A choice between diesel engines fullfilling Stage IIIA/T3 and Stage III offers impressive power reserves and significant operation benefits. Easy cold starting, low noise, rapid diagnostics and faster load acceptance are just some of them.

ENVIRONMENTAL THINKING ALL THE WAY

Environmental benefits are achieved through reduced fuel consumption and quieter operation. Efficiency enhancements have saved some 8 kW in the operation of a typical model in the range, with consequent improvements in the running costs and noise. Optional ECO mode with fuel savings up to 15 % is also available. It also makes the already quiet CC roller even more silent.

Biodegradable hydraulic fluid is optional. The automatic idling system keep exhaust emission on a low level. Emission controlled engines are standard.

HOW DID WE REDUCE THE FUEL CONSUMPTION?

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

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.



EASY MAINTENANCE IN EVERY DETAIL

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

The service info displayed directly on the drivers LCD also facilitates service jobs. With lubrication 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.



FEATURES & BENEFITS

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

EASY NIGHTWORK

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

180 DEGREES

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

BACK-UP SPRINKLER PUMP

Back-up sprinkler system means less breaks for cleaning of nozzles.

OFFSET DRUM

The unique offset drum and articulated steering give supreme maneuverability.

WATER CAPACITY

Large water capacity increases operating time between water refill breaks.



VISIBILITY

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

DCA-A

Optional DCA-A helps you do a perfect job. Full documentation of temperature and number of passes made on each section of the asphalt.

COMPACTION DATA

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

OPERATOR PLATFORM

Choose between Cab or canopy, available with the sliding and swiveling operator's module.

LOW EMISSIONS

Fuel efficient Stage IIA / T3 and Stage III engines offers impressive power reserves.

SERVICE FRIENDLY

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

STEERING HITCH

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



CAB

- Integrated ROPS
- Operators station, sliding and rotating
- Seat belt 3"
- Heating system
- Floor mat
- Lights working, H3 (Halogen)
- Inner roof: Noise absorbing
- Internal rear view mirror
- 24 v charger socket
- Interior light
- Steering wheel: Adjustable
- Cup and can holder
- Openable side windows
- Wiper with washer, front/rear
- Life-saving hammer
- Rotating beacon
- Rear view mirrors, traffic
- Back-up alarm
- Operator's seat, luxury
- A/C

Canopy

- Floor mat and anti-slip
- Panels: Back cover
- Lights working, H3 (Halogen)
- 24 v charger socket
- Steering wheel: Adjustable
- Operator's station, sliding and rotating
- Operator's seat, suspension
- Seat belt 3"
- Back-up alarm
- Operator's seat, luxury

Options CC2200 - CC6200

- Edge cutter
- GPS
- Driving lights
- Off-set drum*
- Rotating beacon**
- Dynapac Compaction Analyzer

*only for CC4200

**only for canopy version



COST CONTROL THAT SAVES BIG

Being active in the Road Construction business requires considerable investment. Every square meter involves an operational cost composed of fixed costs such as interest on equipment acquired, labor costs, insurance and equipment depreciation, but also variable costs such as expenses for fuel, wear and maintenance.



Wear cost

Since Dynapac always uses high-quality wear parts, the time that is needed to change them can be kept to a minimum. Customers who use Dynapac spare parts will improve reliability and protect their investment.

Operator cost

The operator is always a very big part of the total cost. Operators using Dynapac equipment will enjoy good ergonomics and easy-to-operate equipment.

Investment cost

The purchase price is often only a relatively small part of the total cost. Dynapac rollers and pavers maintain a high value throughout their working life, which is good to know if you ever want to sell it.

Maintenance cost

All road construction equipment need regular check-ups such as change of oils and filters. Dynapac always strives to use components that require as little maintenance as possible.

Fuel cost

Fuel expenses can make up a large part of your total cost. Since Dynapac rollers and pavers are equipped with a very efficient hydraulic system, your fuel cost can be kept at a low level.

SERVICE COMMITTED TO YOUR FUTURE

WHAT?

GENUINE PARTS AND KITS

- Preventive maintenance kits
- Genuine Filters
- Fluids and lubricants
- Wear and repair kits
- Upgrade Kits

HOW?

GLOBAL DISTRIBUTION NETWORK

Always close to you

PREVENT THE COST OF A BREAKDOWN

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.

Equipment breakdowns have a direct impact on your productivity. No production means no revenue, but the fixed costs stay the same, resulting in lower profitability. By avoiding breakdowns and increasing the reliability of your machine, you will be able to produce more per year, which will immediately improve your profitability.

PREVENTIVE MAINTENANCE KITS

PREVENTIVE MAINTENANCE KITS

All in one box and tailored to match your equipment. Easy to obtain and attractively priced, our preventive maintenance kits contain all the parts required for the equipment's scheduled maintenance program. When installed by one of our certified technicians, you keep equipment downtime to a minimum and its uptime to a maximum throughout its working life.

PREVENTIVE MAINTENANCE PAYS BACK

Equipment needs preventive maintenance that demands

- Timely intervention to avoid expensive breakdowns
- High quality maintenance also means higher resale value (residual value)



Lower Cost of Ownership
Maintenance prevents
more costly repairs



**Increased equipment
reliability**
Full equipment uptime



**Higher
resale value**

TECHNICAL DATA

	CC2200	CC3800	CC4200	CC5200	CC6200
Drum width, mm	1500	1730	1730	1950	2130
MASSES					
Operating mass , kg (incl. ROPS)	7,600	9,400	10,200	11,300	12,000
Module mass, kg (front/rear)	3,800/3,800	4,700/4,700	5,100/ 5,100	5,650/5,650	60000/6,000
TRACTION					
Speed range	0 -12	0 -12	0-12	0-12	0-12
Vertical oscillation	±7°	±7	±7°	±7°	±7°
Theor. gradeability	42 %	37 %	45 %	40 %	36 %
COMPACTION					
Centrifugal force , kN (high/low amplitude)	78/67	90/75	139/ 92	154/101	166/ 106
Nominal amplitude, mm (high/low)	0.7/0.3	0.7/0.3	0.8/ 0.3	0.8/0.3 mm	0.8/ 0.3
Static linear load kg/cm (front/rear)	25.3/25.3	27.2/27.2	29.5/ 29.5	29.0/29.0	28.2/28.2
Vibration frequency, Hz (high/low amplitude)	48/67	48/67	51/ 67	51/67	51/ 67
Water tank, l	750	750	900	900/1150/1400	
ENGINE					
Manufacturer/Model	Cummins QSB 3.3 IIIA/T3	Cummins QSB 3.3 IIIA/T3		Cummins QSB 4.5 IIIA/T3	
Type	Water cooled turbo Diesel with After Cooler			Water cooled turbo Diesel with After Cooler	
Rated power, SAE J19	60 kW (80 hp) @2200 rpm	74 kW (99 hp) @ 2,200 rpm		93 kW (125 hp) @ 2,200 rpm*	113 kW (152 hp) @ 2,200 rpm**
Fuel tank capacity, l	130	130		240	

* CC4200 and CC5200 only
** CC6200 only

Photos and illustrations contained herein might depict products with optional and/or extra components which are not included with the standard version of the product and, therefore, are not included in a purchase of such product unless the customer specifically purchases such optional/extra components. We reserve the right to change the specifications and design of products described in this literature without notice. Not all products are available in all markets.

Your Partner on the Road Ahead



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