# DYNAPAC SMALL ASPHALT TANDEM ROLLERS





DYNAPAC CC1100 VI / CC1100C VI
CC1200 VI / CC1200C VI




DYNAPAC
FAYAT GROUP

dynapac.ca

## APPLICATION

The sixth generation of the Dynapac CC1100/CC1200 VI small asphalt rollers are designed to meet the construction industry´s tough conditions with the operator in mind, resulting in a robust, comfortable and modern machine for best compaction result. The new machine has a unique design with its' cross-mounted engine in combination with an excellent visibility and massive casted forks with flexible lifting/towing/tie down possibilities.

### Visibility
Optimal visibility over the drums
Efficient LED-lights for night-work
Sliding seat possibilities

### Performance
High vibration frequency
Dual frequency
High efficient eccentrics
Offset
Powerful Kubota engine

### Good ergonomics
Low noise
Easy to understand instrument panel
Comfortable vibration damped operator platform
Driver lever following the sliding seat

### Sprinkler system
Pressurized sprinkler system
Large water-tank
3 filtration system
Sprinkler timer

### Transportation
Foldable ROPS
Flexible lifting/towing/tie down possibilities in the forks
Central lifting point
Optimized machine length for efficient transportation

### Serviceability
Easy accessible daily service-points
Reliable sprinkler system
Cross-mounted engine for best access
Dyn@Link (optional)




Experience is the base of excellence. Dynapac will always help you to reach perfection.
DYNAPAC
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**EXCELLENT VISIBILITY**

By moving the water tank to the rear part of the machine, we have managed to develop a machine with a unique design with a cross-mounted engine in combination with excellent visibility over the drums. The optional sliding seat of 8.3 in (210 mm) in combination with the improved engine hood design gives the operator the best sliding possibilities and visibility on the market. The optional ROPS-mounted LED working lights provide additional visibility.

**HIGH QUALITY COMPACTION**

All rollers include efficient eccentrics guaranteeing optimum powerful performance in the vibration start-up process. The rollers feature high frequency compaction with the possibility to choose between dual frequencies depending on different conditions and applications. A mechanical adjustable off-set function is a standard feature. By adjusting the rear frame to the left you will get an off-set of the front drum up to 2 in (50mm). Off-setting the drum makes it easier to compact close to walls and curbs with less risk of damaging the machine. The big drum diameter makes sure the asphalt is not shovelling in front of the drum creating transversal cracks. An optional front right mounted edge presser/edge cutter is available as well as an optional rear mounted chip spreader.

**COMFORTABLE WORKING ENVIRONMENT**

The new roller is designed with the operator in mind resulting in a comfortable and modern driver´s environment. The spacious and vibration damped operator platform enables great operator comfort even during long working days, thereby maintaining the quality of the performance of the job. A new comfort seat is available with weight adjustments and optional seat-heating. The forward and reverse lever is following the optional sliding seat for even better ergonomics and better control. A dual forward and reverse lever enables even better ergonomics and control of the compaction process. The modern instrument panel with keypad buttons and a display showing the most important functions facilitate the driver to operate the roller with precision. A small storage box under the seat, a cup/can holder and a 12v outlet on the operator platform are details adding extra comfort. An optional canopy protecting the driver from different weather conditions facilitate operator´s comfort and efficiency. The canopy is foldable for easy transportation.

**RELIABLE WATER SYSTEM**

The design of the pressurized sprinkler system facilitates a smooth and reliable compaction with maximum uptime. The rollers are equipped with a sprinkler system with an easy-accessible sprinkler pump and filter and sprinkler bars with 3 sprinkler nozzles on each drum. Automatic Water Control is standard on all machines. A 3-stage filtration system ensures clean water and prevents clogged sprinkler nozzles. The sprinkler timer helps the operator in saving water by adjusting the sprinkler intervals which means reduced downtime for water-refilling. The water tank includes as much as 54 gal (205 l). All of these features result in a minimal down-time for the operator.

1. FIRST CLASS VISIBILITY
2. HIGH QUALITY COMPACTION
3. COMFORT IN FOCUS
4. RELIABLE WATER SYSTEM
5. ENGINES FOR THE WORLWIDE MARKETS
6. OPTIMIZED FOR TRANSPORTATION
7. CONTRIBUTION TO GREAT SERVICEABILITY
8. SAFETY FIRST









**ENGINE ALTERNATIVES FOR THE WORLD MARKET**

Having sustainability and working environment in mind under the developing process resulted in the latest emission reduction technology to fulfill the worldwide emission regulations. The range is powered by durable, fuel-efficient Kubota diesel engines which reach unbeatable performance with maximum up-time. We offer engine alternatives which meets the engine emission regulations worldwide. For the North American markets we offer a 37.5 HP (28 kW) T4f Kubota engine with a DPF after-treatment system alternatively a somewhat lower horse-powered 25 HP (8,5 kW) engine fulfilling the T4f emission legislations without the cost and complexity of an after-treatment system. For markets not yet having the T4f emission legislation requirements or the ultra-low sulfur fuel we offer a stage IIIA/T4i 35 HP (26 kW) engine alternative.

**OPTIMIZED FOR TRANSPORTATION**

Fast and easy transportation between jobsites increases the operator´s efficiency. The design work has resulted in a machine well suited for optimized transportation. Flexible lifting/towing/tie down possibilities built in the robust casted forks enabling fast and easy transportation. An optional central lifting point makes the transportation between jobsites easier. The foldable ROPS fold with ease. The total machine length including the ROPS is 94.5in (2400 mm) meaning the machines can be cross-loaded on a truck enabling twice as many rollers to fit on a truck.

**GREAT SERVICEABILITY**

The design of the rollers contribute to great serviceability. The engine hood opens wide for best accessibility. The engine is cross-mounted for optimal serviceability. The major daily service-points under the hood are on one side. Sprinkler nozzles, water-pump and filter for the sprinkler system are easy to reach, the water pump and filter are easily accessible behind a cover above the rear drum.

**BUILT-IN SAFETY**

Interlock is a standard feature on all rollers ensuring no accidental starting. Failsafe brakes automatically engage when needed. The separate parking brake switch on the instrument panel helps prevent accidental activating. The machine has a low operator platform making it easy to climb up on the machine. An ergonomic footstep and sturdy handgrips makes the machine easy to climb on to.

# TECHNICAL FEATURES AND BENEFITS DURING COMPACTION

**1** *VISIBILITY*
*The robust engine hood is designed for optimal view over the front drum. In combination with the sliding seat of totally 8.3 in (210 mm) it gives the operator the best sliding possibilities and visibility on the market.*

**2** *MODERN INSTRUMENT PANEL*
*A modern instrument panel with keypad buttons and a display showing the most important functions facilitate the driver to operate the roller in a controlled way.*

**3** *OFFSET*
*A mechanical adjustable offset function is available on all models. By adjusting the front frame to the right you will get an offset of the front drum up to 2 in (50 mm) making it easier to compact close to walls and curbs with less risk of damages of the machine. Also it increases the surface capacity and gets rid of marks in the mat when making the last pass.*

**4** *SPRINKLER SYSTEM*
*The design of the pressurized sprinkler system facilitates a smooth and reliable compaction with maximum uptime. The rollers are equipped with a sprinkler system with easy accessible sprinkler pump and filter and sprinkler bars including 3 sprinkler nozzles on each drum.*

**5** *EFFICIENT ECCENTRICS*
*The rollers include efficient eccentrics guaranteeing optimum powerful performance in the vibration start-up process.*

**6** *WATER CAPACITY*
*The large water tank includes a capacity of 54 gal (205 l). In combination with the sprinkler timer, it helps the operator to save water which means less downtime for water-filling.*

**7** *NIGHT-LIGHTS*
*Optional ROPS-mounted working LED lights provide additional visibility during night-work.*

**8** *CANOPY*
*An optional canopy protecting the driver from sun and different weather conditions facilitates operator´s efficiency. The canopy is foldable for easy and efficient transportation.*

**9** *OPERATOR EFFICIENCY & COMFORT*
*The forward and reverse lever follows the sliding seat for best ergonomics. The sliding seat lever facilitates even better ergonomics and control of the compaction process.*

**10** *ENGINE ALTERNATIVES*
*Powerful and fuel efficient IIIA/T4i and T4f Kubota engine alternatives for the world-wide emission regulations.*

**11** *SERVICEABILITY*
*A cross-mounted engine is easily accessible for daily service points by wide opening hood. Sprinkler pump and filter easy accessible behind a cover above the rear drum.*

**12** *OPTIONAL EDGE PRESSER/CUTTER*
*Edge presser tool for better joint binding. Front right mounted, a cutting disc of 2 in (50 mm ) cutting depth is available as option.*

**13** *CHIP SPREADER*
*Optional rear mounted chip spreader. Which is to be used for creating friction on newly laid asphalt.*

**14** *TRANSPORTATION*
*Flexible lifting/tie down/towing possibilities in the casted forks enabling fast and easy transportation. An optional central lifting point makes transportation between job-sites easier.*

**15** *OPERATOR´S COMFORT*
*A small storage box under the seat, a cup/can holder and a 12 v outlet on operator´s platform contributes to driver´s comfort.*

**16** *ENGINE HOOD*
*The robust engine hood is made in an impact resistants material with great durability.*













CC1200VI
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## 1. MACHINE TYPES




Standard drums



Combi

## 2. ROPS





## 3. ENGINES



Kubota 35 hp (26kW) IIIA/T4i
Kubota 37,5 hp (28kW)T4f
Kubota 25 hp (18,5kW) T4f

## CONNECTING TO THE FUTURE

With the Dyn@Link system, Dynapac offers a tool which is an excellent way to monitor your roller. Dyn@Link Provides information about your rollers positioning, engine hours and geo-fencing. Thanks to the online portal and the Dyn@Link app, users can get access to this information from anywhere, at any time.



## 4. FORWARD/REVERSE LEVER

Choose between single or dual forward/reverse levers



## 5. STANDARD EQUIPMENT

Air clean indicator
AVC
AWC
Back up alarm
Battery disconnector
Can holder
Comfort seat
Dual forward/reverse lever
Dual frequency
Emergency stop
Filters for sprinkler system (3)
Fuel level display
Horn
Hour meter
Hydraulic checkpoints
Ignition key
Interlock
Lights, working
Lights, warning
Lifting / towing / tiedown eyelets
Lockable instrument panel
Offset
Operator's platform vibration damped
Pressurized sprinkler system
ROPS foldable
Rotating beacon
Scrapers (fixed)
Seat standard adjustable
Spring loaded scrapers
Standard 3" seat belt
Steering wheel
Vibration shut off, individual front & rear
12-volt outlet on platform

## 6. OPTIONS

Biodegradable hydraulic oil
Brake release tool
Canopy
Central lifting point
Certificate, CE
Chip spreader
Comfort seat with seat-heating
Decal, risk location (GOST)
Dyn@Link
Edge presser-front/right mounted
Edge cutter disc, 50mm
Extra set of manuals
Fire extinguisher
First aid kit
Flow divider
Hearing protectors
Lights, driving: Left or Right incl. direction lights
Lights, direction- mounted on both sides of the hood
Lights, license plate
Lights, working 1 extra rear
Lights, working ROPS mounted LED
Rear view mirror
Rotating beacon (ignition controlled)
Service kit 50/500/1000h
Slow Moving Vehicle sign (SMV)
Customized colours (one or two colours)
Tool set



# COST CONTROL THAT SAVES BIG

Being active in the Road Construction business requires considerable investment. Every square inch involves an operational cost comprised 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.



### Operator cost

The operator is always a very big part of the total cost. Operators using Dynapac equipment will maximize their efficiency with great ergonomics and easy-to-operate equipment.

### Maintenance cost

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

### 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 original Dynapac spare parts will improve reliability and protect their investment.

### Investment cost

The purchase price is often a relatively small part of the total cost. Dynapac rollers and pavers maintain their high value throughout their working life thus holding a good value if you want to sell it in the future.

### Fuel cost

Fuel expenses 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 will be kept at a low level.

# SERVICE COMMITTED TO YOUR FUTURE

## WHAT?

### GENUINE PARTS AND KITS

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

### SERVICE

- Right competence
- Training program
- Inspection & service program
- Extended Warranty & Service Agreement

### CONSUMABLES

- Road Milling Tools (bits)

## HOW?

### GLOBAL DISTRIBUTION NETWORK

- Always close to you

### DYNAPAC.US

- Kit selector
- Fluid selector
- Shop Online

### DYN@LINK

- Manage your fleet
- Timely interventions planned with service alerts

## PREVENT THE COST OF A BREAKDOWN

**REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.**

Equipment break-downs have a direct impact on your productivity. No production means revenue loss, but the fixed costs stays the same, resulting in lower profitability. By avoiding break-downs and increasing the reliability of your machine, you will be able to maximize your productivity which will immediately improve your profitability.

## PREVENTIVE MAINTENANCE KITS

**PREVENTIVE MAINTENANCE KITS**

All-in-one box that is tailored to match your equipment. Easy to obtain and attractively priced, our pre-ventative maintenance kits contain all the parts required for your 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 demand timely intervention to avoid expensive breakdowns and maintain a higher residual value



**Lower Cost of Ownership**
Maintenance prevents more costly repairs



**Increased equipment reliability**
Full equipment uptime



**Higher resale value**

# DYNAPAC SMALL ASPHALT TANDEM ROLLERS

| | CC1100 VI | CC1100C VI | CC1200 VI | CC1200C VI |
|---|---|---|---|---|
| **DRUM** | | | | |
| **Drum width, mm / in** | 1070 / 42 | 1 070 / 42 | 1 200 / 47 | 1 200 / 47 |
| **MASSES** | | | | |
| **Operating mass , kg / lbs (incl. ROPS)** | 2 400 / 5292 | 2 215 / 4900 | 2 600 / 5733 | 2 315 / 5100 |
| **TRACTION** | | | | |
| **Speed range, km/h / mph** | 0 -10 / 0 - 6 | 0 -10 / 0 - 6 | 0-10 / 0 - 6 | 0-10 / 0 - 6 |
| **Vertical oscillation** | ±10° | ±10° | ±10° | ±10° |
| **Theor. gradeability** | 46 % | 71 % | 42 % | 65 % |
| **COMPACTION** | | | | |
| **Centrifugal force , kN / lb high/low frequency**<br>D1703<br>D1803 | <br>29/25 6520 / 5620<br>28/25 6295 / 5620 | <br>29/25 6520 / 5620<br>28/25 6295 / 5620 | <br>34/29 7645 / 6520<br>33/29 7420 / 6520 | <br>34/29 7645 / 6520<br>33/29 7420 / 6520 |
| **Nominal amplitude, mm / in** | 0.5 / 0,02 | 0.5 / 0,02 | 0.5 / 0,02 | 0.5 / 0,02 |
| **Static linear load kg/cm lbs/in** (front/rear) | 10.7/11.8 60 / 66 | 10.7 60 | 10.3/11.4 58 / 64 | 10.3 58 |
| **Vibration frequency, Hz, vpm high/low**<br>D1703<br>D1803 | <br>66/61 3960 / 3660<br>65/61 3900 / 3660 | <br>66/61 3960 / 3660<br>65/61 3900 / 3660 | <br>66/61 3960 / 3660<br>65/61 3900 / 3660 | <br>66/61 3960/3660<br>65/61 3900/3660 |
| **ENGINES** | | | | |
| Kubota D1703-M (III A/T4i) 26kW (35 hp)@ 2800 rpm<br>Kubota D1703-DI (T4f) 18,5 kW (25hp) @ 2200 rpm<br>Kubota D1803-CR (T4f) 28 kW (37,5 hp) @ 2700 | | | | |
| **Water tank, l / gal** | 205 / 54 | 185 + 20 / 49 + 5 | 205 / 54 | 185 +20 / 49 + 5 |

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*Your Partner on the Road Ahead*

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