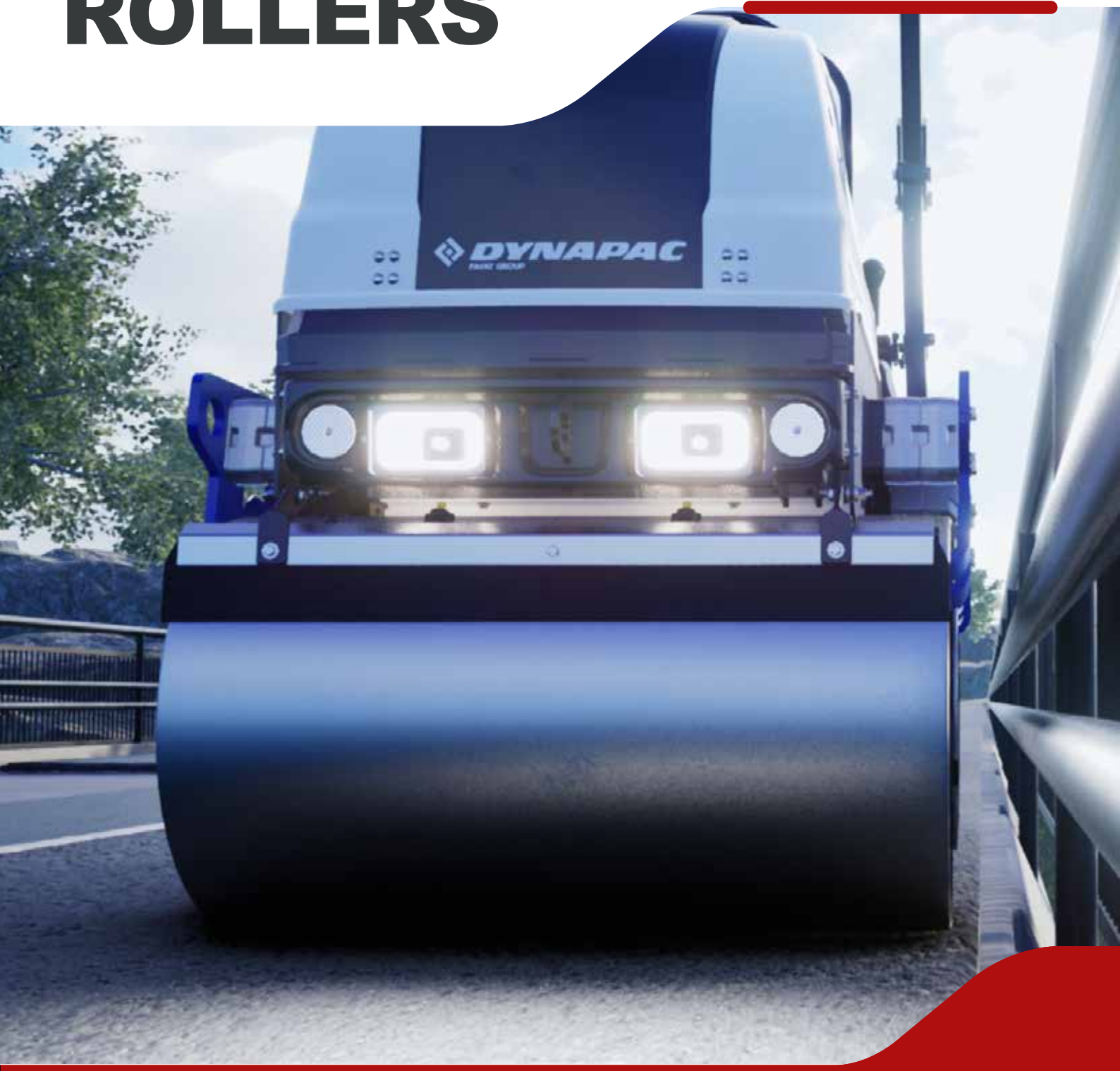
DYNAPAC

SMALL ASPHALT ROLLERS

CC1100 VI CC1100C VI CC1200 VI CC1200C VI
CC1300 VI CC1300C VI CC1400 VI CC1400C VI



DYNAPAC
FAYAT GROUP

dynapac.com

SMALL ASPHALT TANDEM ROLLERS

HIGHEST QUALITY COMPACTION

Excellent visibility

High quality compaction

Comfortable working environment

Reliable water system

Great service ability

Built-in safety

The CC1100VI-CC1400VI machines have been designed to meet the tough construction industry conditions with the operator in mind. A robust, comfortable and modern machine that provides the best compaction result. The machine has an unique design with its cross-mounted engine in combination with an excellent visibility over the drums and casted forks with flexible lifting, towing, tie down possibilities. The combi-versions are equipped with four rubber tyres at the rear instead of a drum. The rubber wheels are driven in pairs by separate propulsion motors, minimizing the risk of damaging newly laid asphalt that when making sharp turns.

BUILD TO MEET INDUSTRY'S TOUGH CONDITIONS

BRINGS COMPACTION QUALITY TO A NEW LEVEL

ALL-AROUND VISIBILITY

The robust engine hood is designed for an optimal view over the front drum. In combination with the optional sliding seat of totally 210 mm it gives the operator the best sliding possibilities and visibility on the market. Optional ROPS-mounted working LED lights provide additional visibility during night-work.

ADJUSTABLE TO YOUR NEEDS

A mechanical adjustable offset function is standard on all models. By adjusting the front frame to the right, you will get an offset of the front drum up to 50 mm making it easier to compact close to walls and curbs with less risk of damaging the machine. Also, it increases the surface capacity while removing the chance of making marks in the mat and gets rid of marks in the mat when making the last pass.

Optional rear mounted chip spreader is for creating friction on newly laid asphalt.

EFFECTIVE & EFFICIENT 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 easily accessible sprinkler pump, filter and sprinkler bars including 3 sprinkler nozzles on each drum. The large water tank includes a capacity of 205 l/54 gal for the CC1100 VI/1200 VI and 298 l/79 gal for the CC1300 VI/1400 VI. In combination with the sprinkler timer, it helps the operator to save water leading to less downtime for water-filling.

EFFICIENT ECCENTRICS

The rollers include an efficient eccentrics system which guarantees an optimum power performance in the vibration start-up process.

WANT TO FIND OUT MORE?

Get to Dynapac Product Information: Scan the QR code to enter the Dynapac Rollers product site.

COMFORTABLE WORKING ENVIRONMENT

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. The forward and reverse lever follows the seat as it slides for better ergonomics. The sliding seat possibility, an optional lever, facilitates even better ergonomics and control of the compaction process.

ERGONOMICS

The rollers have an easy to understand instrument panel. The operator platform is vibration dampened, with drive lever that follows the seat as it slides. A canopy roof can be added to further protect the operator.

OPTIONAL EDGE PRESSER & CUTTER

An Edge presser tool is available for better joint binding as front right mounted for CC1100 VI/1200 VI or a double front mounted alternative for the CC1300 VI/1400 VI, and a cutting disc of 50 mm cutting depth is also available as option.

EASE OF TRANSPORTATION

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

OPTIMIZED SERVICEABILITY

A cross-mounted engine and a possibility to fully open engine hood to easily enable access to all daily service-points. The sprinkler pump and filter are easily accessible behind a cover above the rear drum.

JOB SITE CONFIDENCE

Keep your team confident and healthy when operating on the job site. Ensure good working safety, ergonomics and easy to use operating systems.

SLIDING COMFORTABLE SEATS

BEST VISIBILITY AND ERGONOMICS FOR ALL APPLICATION SITUATIONS

By being able to slide the seat from side to side, the operator can achieve greater flexibility with regards to position and thereby increased visibility. The ergonomics are automatically improved when the operator does not have to stretch and bend to see.

KEY CONTROLS IN THE F&R LEVERS

The roller operator will never needs to strech to reach the instrument panel for drum vibrations selection. Instead of being located within the control panel, they are integrated into the drive levers, which always following the seat when sliding thereby improving the ergonomics and keeping the operator in full control over the roller.

WIDE SELECTION OF SEATS

There are several different seats to choose between where the most comfortable one is fully equipped with headrest, armrests, heating and of course sliding capabilities.

DRUM EDGE VISIBILITY AND OFFSET POSSIBILITY

FULL VISIBILITY

Drum edge visibility is essential when driving a tandem roller and especially on asphalt therefore we have cleared the view of the front drum edges as well as surface thanks to the “wasp” design of the front frame and hood.

OFF-SET AS STANDARD

To minimize the risk of pushing curbstones, this range is equipped with a 50 mm offset as standard.

FOLDABLE CANOPY

OPERATE IN COMFORT

The canopy protects from both the sun and rain, and when combined with the optional comfort seat that is heated, the operator can achieve a decent climate even without a cabin.

OPTIMIZED FOR TRANSPORT

The canopy roof can easily be folded into a package together with the foldable ROPS to rest on the back of the machine to better facilitate transportation and storage.


DYNAPAC

HIGH PRODUCTIVITY

Increase the productivity of your job sites through efficient paving and compaction operation. Reduce non-productive times on the job site.

EFFICIENT WATER SYSTEM WITH BIG WATER TANK

TRIPLE FILTER SYSTEM
Three step filter system that prevents clogged nozzles includes strainer in the filling hole, central easy to clean strainer and strainers in the nozzles.

BIG WATER TANK AND TIMED SPRINKLER
A large water volume and efficient sprinkler system with a timer leads to lowest possible water consumption and less stops for water filling.

PROTECTION AGAINST FREEZE
Dynapac's sprinkler system has the ability to be equipped with anti-freeze fluid to protect all parts of the sprinkler systems waterflow in cold climates.

PAVECOMP PREPERATION

WHICH MACHINE SIZE IS SUITABLE?
PaveComp will help you to select the optimal machine to avoid complications that may occur when utilizing a roller that is not the correct size for the application.

HOW MANY MACHINES ARE NEEDED?
PaveComp gives you the suggestion of how many rollers that are needed for the jobsite.

HOW MANY PASSES SHOULD I DO?
PaveComp gives best utilization of the machine and compaction capacity and making possible to plan how many passes needed on a certain application.

HIGH VIBRATION FREQUENCY & OPTIMIZED ECCENTRICS

HIGH VIBRATION FREQUENCY COMPACTION
Modern thin layers (< 5 cm/ 2 inch) cool fast so, they need to be compacted fast. In order to achieve compaction, the roller will operate with a high vibration frequency.

SIMPLICITY IN AMPLITUDE AND FREQUENCY SELECTION
On CC1100 VI/ CC1200 VI, there is one set amplitude, and you can choose between the high frequency position and an ECO-position. As an option on the CC1300 VI/ CC1400 VI, you can have dual amplitudes for optimized compaction. With this option, once the desired amplitude is selected, high for thick or low for thin layers and whether ECO-mode or not, then the system automatically selects the correct frequency.

OPTIMIZED ECCENTRICS
Optimized eccentrics reduces energy consumption at start up by up to 50% and thereby saves energy at the vibration startup making sure you have enough power to keep up the optimum speed and frequency.

MAXIMUM UPTIME

A machine has to run to make money! Minimize non-productive times, avoid unscheduled break-downs.

EFFICIENT WATER SYSTEM WITH BIG WATER TANK

TRIPLE FILTER SYSTEM
Three step filter system that prevents clogged nozzles includes strainer in the filling hole, central easy to clean strainer and strainers in the nozzles.

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OPTIMIZED SERVICEABILITY & NIGHT WORK

CROSS-MOUNTED DIESEL ENGINE AND LARGE OPENABLE HOOD
Dynapac has kept the concept with cross-mounted engine on the CC1100 VI – CC1400 VI in combination with a large openable hood that gives easy access to all main components in the engine compartment.

MODULARIZATION
To facilitate quick learning about Dynapac rollers, they are all designed around the concept of modularization. This gives notable similarities between different Dynapac machines within a class, meaning that if you know one Dynapac machine you will be able to easily understand others.

LED WORKING LIGHTS FOR EFFICIENT NIGHT WORK
Working lights are standard for both the front and rear with possibility of additional optional lights to be mounted on the ROPS/Canopy making it possible to work efficient also when it is dark.

DYN@LINK FLEET MANAGEMENT

NEAR REAL-TIME LOCATION
All data is accessible for customers with password on the web or through an app on your smart phone. With the positioning data, it is easy to find your roller for service visits, while DynaLink also has the capability to geofence the roller, warning you if the machine leaves the predefined jobsite area.

ENGINE HOURS AND SERVICE ALERTS
The engine hours are updated continuously while you can also see the distribution of idling and transportation/static passes. Service alerts pop up when regular service intervals should take place making it easier to plan for the maintenance.

PREVENTATIVE WARNINGS
Dyn@Link will display warnings for items such as low oil pressure or overheating making it possible to prevent severe break downs preliminarily.

HIGH QUALITY RESULTS

Avoid penalties and rework! Stabilize the quality of your paving and compaction jobs.

DYNAPAC'S PREPARATION SYSTEM, PAVECOMP

WHICH MACHINE SIZE IS SUITABLE?

PaveComp will help you to select the optimal machine to avoid complications that may occur when utilizing a roller that is not the correct size for the application.

HOW MANY MACHINES ARE NEEDED?

PaveComp gives you the suggestion of how many rollers that are needed for the jobsite.

HOW MANY PASSES SHOULD I DO?

PaveComp gives best utilization of the machine and compaction capacity and making possible to plan how many passes needed on a certain application.

HIGH VIBRATION FREQUENCY & FRONT DRUM OFF-SET

HIGH VIBRATION FREQUENCY COMPACTION

Modern thin layers (< 5 cm/ 2 inch) cool fast so, they need to be compacted fast. In order to achieve compaction, the roller will operate with a high vibration frequency.

FRONT DRUM OFF-SET

Having the ability to offset the drums makes it possible to 'eliminate' the rear drum to facilitate compaction near curbstones and mitigate the risk of pushing the stones.

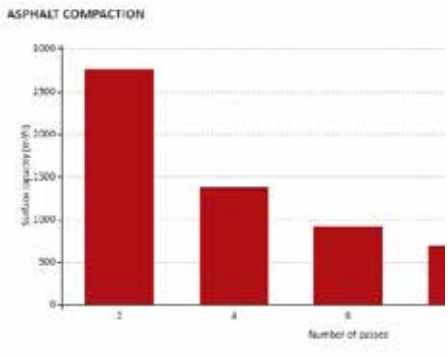
LARGE DRUM DIAMETERS AND HIGH CURB CLEARANCE

LARGE DRUM DIAMETERS

Our machines possess large drum diameters as it is imperative to have a good relationship between the drum diameter and the static linear in order to minimize the risk for shoveling the asphalt on less stable mixes and thicker layers.

HIGH CURB CLEARANCE

It is critical to avoid touching curbs, railing, or other obstacles, when compacting near them, therefore our rollers have been produced with a high curb clearances to allow for the edge of the drum to cover as much of the mat as possible while protecting these barriers.



LOW COST OF OWNERSHIP

Improve the overall profitability of your investment by reducing the costs of operating the machine while maintaining a high equipment value.

OPTIMIZED MACHINE LENGTH. POINTS FOR TOWING, LIFTING & TIE DOWN

CROSS LOADING FOR TRUCKS
The length of 2400 mm (94,5 in) allows the CC1100 VI/ CC1200 VI to be cross loaded on a truck. This means that in most cases both your paver and the roller can fit on the same truck, saving transportation costs.

FLEXIBLE TOWING/ TIE DOWN/LIFTING POINTS
Small rollers are often transported between different jobsites; therefore, this range has been built with flexible towing options such as tie down and lifting possibilities integrated into the casted forks which makes several different loading and lashing possibilities thus enables easy and fast transportation of the machine.

OPTIMIZED ECCENTRICS

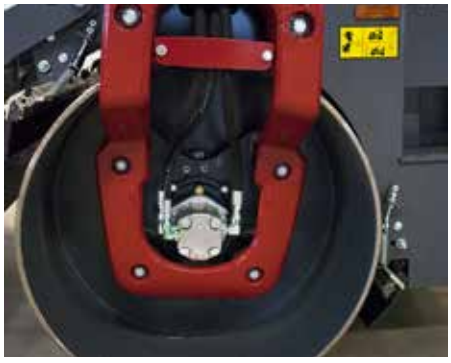
HIGHLY EFFICIENT ECCENTRICS ARE EASY TO START AND SAVES ENERGY
The efficient eccentric system makes it possible to utilize a smaller and more fuel-efficient engine, which means a lower initial investment and lower fuel consumption throughout the lifetime of the machine.

DYN@LINK FLEET MANAGEMENT

NEAR REAL-TIME LOCATION
All data is accessible for customers with password on the web or through an app on your smart phone. With the positioning data, it is easy to find your roller for service visits, while DynaLink also has the capability to geofence the roller, warning you if the machine leaves the predefined jobsite area.

ENGINE HOURS AND SERVICE ALERTS
The engine hours are updated continuously while you can also see the distribution of idling and transportation/static passes. Service alerts pop up when regular service intervals should take place making it easier to plan for the maintenance.

PREVENTATIVE WARNINGS
Dyn@Link will display warnings for items such as low oil pressure or overheating making it possible to prevent severe break downs preliminarily.



ENVIRONMENT AND SUSTAINABILITY

Protect the environment. Show your social responsibility and collect on tenders that require low CO2 and noise emissions.

ECO MODE AND LOW NOISE EMISSIONS

ECO FOR LOWER FUEL CONSUMPTION
The rollers are outfitted with a mid-engine rpm mode that keeps the fuel consumption lower which also brings down the noise emissions.

LOW NOISE EMISSIONS
Engine compartment, air intake and outlet are all arranged for lowest possible noise level both for the surroundings and for the operator.

LATEST ENGINE TECHNOLOGY

STAGE V/ T4 AND IIIA/T3 ENGINE ALTERNATIVES
Dynapac offers a selection of engines that makes it possible to get as low emissions as possible while also taking in consideration of which type of diesel fuel and sulphur content that is available around the globe.

EFFICIENT ECCENTRICS
Dynapac's patented highly efficient eccentric system saves a lot of power at the vibration start up. The start-up of the vibration can often cause high levels of energy consumption so, the eccentrics allow for us to go down in engine size, thus saving fuel while still having a powerful machine.

BIOLOGICALLY DEGRADABLE HYDRAULIC FLUID
In some sensitive areas you must have hydraulic oil that is biologically degradable, so Dynapac has the Panolin fill-for-life hydraulic fluid available as an option.

LATEST COMPACTION TECHNOLOGY AND COMPACTION CONTROL

PAVECOMP
Answers your question about:

- Which machine size is suitable?
- How many machines are needed?
- How many passes should I do?

ENVIRONMENT FRIENDLY
The material Dynapac machines are build with are to 95% recyclable to reduce the carbon footprint in production.

ASPHALT TEMPERATURE METER
The temperature meter is available for the CC1300 VI/ CC1400 VI and provides support for compaction at the most efficient temperature by helping to prevent doing more passes than necessary and thereby save energy.

COMPACTION ESSENTIALS

Your satisfaction is key. We offer various options and best-in-class features.
We are your partner on the road ahead.

EXCELLENT VISIBILITY

FIRST CLASS 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 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

HIGH VIBRATION FREQUENCY
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. Dual amplitudes, for even more flexibility in different applications, are available as an option for CC1300 VI and CC1400 VI. 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 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 shovelled 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.
For CC1300 VI and CC1400 VI a double front installation of edge presser/cutter is also available.

ENGINE ALTERNATIVES FOR THE WORLD MARKET

EFFICIENCY IS KEY
Having a sustainability working environment in mind during the development process has 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 worlwide.

GREAT SERVICEABILITY

CONTRIBUTION TO GREAT SERVICEABILITY
The design of the rollers contribute to great serviceability. The engine hood is large and possible to fully open
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 easy accessible behind a cover above the rear drum.

COMFORTABLE WORKING ENVIRONMENT

COMFORT IN FOCUS
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 maintain the quality of the performance of the job done. A new comfort seat is available with weight adjustments and optional seat-heating. The forward and reverse lever follows the optional sliding seat for even better ergonomics and better control. An optional dual forward and reverse lever enables even better ergonomics and full 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 add additional comfort.
An optional canopy protecting the driver from different weather conditions enhance operator´s comfort and efficiency. The canopy is foldable for easy transportation.

OPTIMIZED FOR TRANSPORTATION

FAST AND EASY
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, and tie down possibilities built in the robust casted forks enabling fast and easy transportation. An optional central lifting point for CC1100 VI and CC1200 VI makes the transportation between jobsites easier. The foldable ROPS is easy to fold. The total machine length including the ROPS is 2400 mm for CC1100 VI/1200 VI meaning the machines can be cross-loaded on a truck enabling twice as many rollers fitted on the truck. The total machine length for CC1300 VI/1400 VI is 2850 mm.

SAFETY FIRST
Interlocking 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 lowered 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.

MACHINE TYPES

STANDARD DRUMS

COMBI WITH WIDE BASE TIRES

RELIABLE WATER SYSTEM

SPRINKLER SYSTEM
The rollers are equipped with a sprinkler system with an easy-accessible sprinkler pump and filter, sprinkler bars with 3 sprinkler nozzles on each drum.

DYN@LINK TELEMATICS SYSTEM

With the introduction of Dyn@Link, Dynapac provides customers a tool to monitor and control their machine fleet efficiently and conveniently. This intelligent telematics system offers many possibilities to optimize fleet usage reduce maintenance cost and save time and money.

MONITOR AND MANAGE YOUR FLEET

- Geo-fence
- Reporting function
- “Remote Lock” function
- Open interfaces
- Remote diagnostics
- Service notifications

Dyn@Link is available in three packages:

- Standard
- Advanced
- Pro

All systems include the hardware with SIM-card, webpage access and a 36 Month data connection package, which can be extended after three years.

DYN@LINK FLEET MANAGEMENT

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.

SERVICE COMMITTED TO YOUR FUTURE

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)

PREVENT THE COST OF A BREAKDOWN

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.
Equipment breakdowns have a direct impact on your productivity. No productivity 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

REGULAR MAINTENANCE PREVENTS COSTLY STANDSTILLS.
Equipment breakdowns have a direct impact on your productivity. Preventative maintenance is the only way to ensure that your machine sustains its productivity throughout the working season. To optimize this productivity, your preventative maintenance needs to be planned either ahead of the working season or as your machine approaches specific intervals for servicing. To assist with maintaining your machines, Dynapac offers preventative maintenance kits so that you can have all that is need for each service interval in one place.

TECHNICAL DATA

SMALL ASPHALT TANDEM ROLLERS

TECHNICAL DATA	CC1100 VI	CC1100C VI	CC1200 VI	CC1200C VI	CC1300 VI	CC1300C VI	CC1400 VI	CC1400C VI
Drum wiidth, mm	1070	1070	1200	1200	1300	1300	1380	1380
MASSES								
Operating mass, kg (incl. ROPS)	2400	2215	2600	2315	3900	3700	4300	3900
TRACTION								
Speed range, km/h	0-10	0-10	0-10	0-10	0-9	0-9	0-9	0-9
Vertical oscillation	±10°	±10°	±10°	±10°	±10°	±10°	±10°	±10°
Theor. gradeability	46 %	71 %	42 %	65 %	42 %	41 %	37 %	39 %
COMPACTION								
Static linear load, kg/cm (front/rear)	10.7/11.8	10.7	10.3/11.4	10.3	14.3/15.7	14.3	15.1/16.1	15.1
Nom. single ampl., mm Nom. dual ampl., mm	0.5	0.5	0.5	0.5	0.5 0.5/0.2	0.5 0.5/0.2	0.5 0.5/0.2	0.5 0.5/0.2
ENGINE								
CC1100 VI and CC1200 VI	Kubota D1703-M (III A) 26kW/35 hp Kubota D1703-DI (T4/V) 18,5 kW/25 hp Kubota D1803-CR (T4/V) 28 kW/37.5 hp							
CC1300 VI and CC1400 VI					Kubota V2203-M (IIIA) 35 KW/48 hp Kubota V2403-CR E4B (T4) 37 kW/50 hp Kubota V2403-CR E5B (Stage V) 37 kW/50 hp			
Water tank, l	205	185 + 20	205	185 + 20	298	298 + 25	298	298 + 25

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