

Tandem Asphalt Rollers

CC224HF / CC234HF / CC324HF / CC334HF
CC224CHF / CC234CHF

DYNAPAC

Part of the Atlas Copco Group



NEW



Tandem Asphalt Rollers

CC224HF CC234HF CC324HF CC334HF

Advantage Dynapac - new rollers for top quality results

The new tandem rollers are designed with efficiency in mind: Application, Structure and Concept; Roller Operator; Compaction Control and Workshop efficiency. The performance is optimized with its visibility, operator comfort and control, and serviceability. The new CC line will appeal to owners, operators and service crews as well as offer environmental benefits.

► Top quality results

With the Dynapac rollers you achieve high quality surface finishes through operational features such as 'soft' starting and stopping to prevent shoving or cracking the mat. This allows even an unskilled operator to start and stop without leaving marks. As a safety feature, the machine will drop out of the soft mode and brake immediately if the lever is moved quickly, signalling the need for an emergency stop.

The machines are designed for use on both thin and thick asphalt layers.



► Operation Efficiency

There is a number of features to the new CC rollers to make servicing quick and easy, ensuring maximum uptime.

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.

The corrosion-free water tank is mounted underneath the operator platform and it has a large capacity of 211 gallons. Nothing is blocking operator's visibility over the front or rear drums.

► The operator in control

One of the ways of achieving high quality compaction is to optimize the ergonomics, ensuring that operators have continuous visibility of the operation and comfortable access to the controls. All models offer unsurpassed operator visibility (front, rear and either side of roller)

There are numerous optional equipment available as you need them.



A system that helps you do a perfect job

Compaction control with Dynapac Compaction Analyzer

The Dynapac Compaction Analyzer for Asphalt (DCA-A) is the perfect tool for operators. It provides accurate time information about the rolling process, allowing the next pass to be planned, taking into account the asphalt temperature of each lap.

Tracking the number of passes makes it easy for the operator to maintain control of the pattern and achieve the best results. Better planning of the rolling operation also ensures jobs are carried out more efficiently, resulting in using less fuel.

The DCA-A allows the contractor to document the compaction work in order to analyse the rolling pattern and number of passes on the compacted surface.

The results are best used to optimize the usage of the compaction equipment and to assure the compaction results. Knowing that the compaction is carried out properly is the key to avoiding penalties and, with further improvements, achieving bonuses instead.

The DCA-A software is an option for articulated tandem rollers. It can also be retrofitted to older machines.



The GPS-receiver provides accurate positioning of the roller



The pass-count and asphalt temperature are presented in real-time on the operator screen - providing vital information for a successful compaction job

Compaction Documentation

Register the number of passes (static/vibratory)

Measure and register the surface temperature

Graphic display of the temperature and the number of passes (real time in the roller)

Documentation of the compaction process

Background material for the quality analysis

Support for continuous improvements of the paving process, rolling patterns and overall compaction results

Compaction Analysis

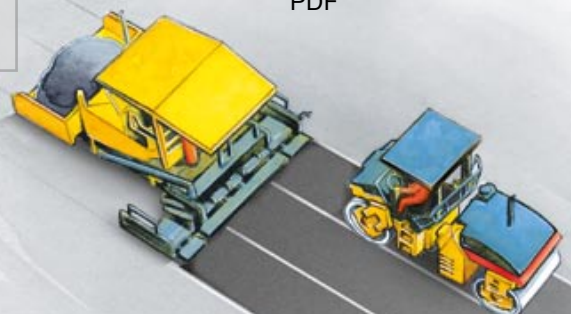
Temperature- first and last pass

Number of passes (vib/stat) at each position inside and outside the temperature range

Playback of the rolling pattern

Full statistics

Print to paper or export to PDF



Unique Characteristics

- from the Experts in Road Construction

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 the use of a high amplitude risks crushing the aggregate. Dynapac recommends a high frequency and lower amplitude.



▲ Powerful engine

Each of the new models is powered by a Cummins QSB 3.3 water-cooled turbo-diesel engine with after cooler.

Dynapac's automatic engine idling system, together with alternative horse power ratings, makes fuel consumption low and efficient.

Infinite adjustable maximum speed is standard.



▲ Control panel with valuable information

The clear LCD control panel gives operators the information they need and it always stays in front of the operator. All the gauges are displayed and the operator can change between menus at the touch of a button.

Further information can be provided through the optional DCA-A system.

▼ Steering system with flexibility

All machines can be equipped with the optional 13 inch offset drum. An optional cab is available for all models.





Outstanding operator comfort

We have equipped the machines with a swivel operator seat and tilt steering wheel for optimum operator comfort. The engine is placed on the rear module to keep heat and noise away from the operator. The very low vibration level on the operator's platform also adds to the comfort of the operator.

The noise level is very low to reduce operator fatigue during long working hours.



Your safety is our mission

Visibility is one of the most important issues for making an asphalt roller efficient and safe to operate. Therefore, the machines have full visibility of drum edges, drum surfaces and sprinkler nozzles. The 4-post ROPS is less obstructive and safer providing an excellent front and rear operator visibility.

A very low center of gravity creates good roller stability.

Environmental thinking all the way

Environmental benefits are achieved through reduced fuel consumption and quieter operation. Efficiency enhancements have reduced the power requirement resulting in less operating cost and a lower noise level.

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

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 display also facilitates service jobs.

With maintenance free steering hitch and steering cylinder, no grease nipples are found on these machines. At the same time, the periods between servicing have been extended.

Corrosion-free water tank and sprinkler bars, in combination with easily accessible filters, ensure reliability and easy maintenance.

Hydraulic hoses can be replaced in short individual segments, avoiding the need to replace long segments. Drum shock absorbers also benefit from easy replacement – there is no need to remove the drums.

Attention to detail

– the base of perfection

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.

ROPS are standard and the operator's station slides left-right.

Optional DCA-A helps you do a perfect job

Dynapac's unique design ensures full visibility of drum surfaces, sprinkler nozzles and drum edges.

Dynapac offers rollers with split drums. This makes operating easier in confined spaces and reduces the risk of cracks in the asphalt.

Service-friendly, roomy engine compartment. The location on the rear module keeps noise and heat away from the operator.

Large water tank capacity increases operating time between water refill breaks.

► Combination rollers

The CC224HF and CC234HF can be ordered in Combi versions to further improve top layer finish. The Combi module is placed rear and is combined with offset steering. Standard equipment includes

an emulsion tank, sprinkler nozzles, handles and footsteps for tank filling, access and safety, quick-release of scrapers and cocoa mats for easy cleaning. Heat shield is available as option.



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

Night work can be a lot easier. Experience the difference with Xenon lights and Night Working Kit with drum edge light, drum surface light, engine compartment light and snake light for the operator. (available as options)

A range of engine power ratings helps you optimize power and reduce fuel consumption

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

Dynapac's articulated steering gives supreme maneuverability. Also available as an option is an offset drum capability.

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



► **Compact power engine**
The new Cummins QSB 3.3 low emission engine (Tier 3 / Stage IIIA) offers impressive power reserves and significant operation benefits. Easy cold starting, low noise, rapid diagnostics and faster load acceptance are just some of them.



► **Joint cutting disc**
The edge press strengthens the asphalt edge, and can also be equipped with the joint cutting disc for asphalt edge trimming prior to jointing (this is available as an option).

Customize your Dynapac®

Standard Equipment

- Automatic Vibration Control (AVC)
- Automatic Water Control (AWC)
- Amplitudes dual
- Backup Alarm
- Battery switch
- Brake release
- Cocoa mats for the wheels (Combi)
- Cup and can holder
- Documentation (Manuals), one set
- Dual pressurized sprinkler system
- Electronic Drive Control (EDC)
- Emergency stop
- Emulsion sprinkler system (Combi)
- Engine temperature display
- Filters for sprinkler system
- Fuel level display
- High frequency vibration
- Horn
- Hour meter
- Hydraulic checkpoints
- Interloc system
- Key master and start
- Lifting points
- Operators platform, shock mounted
- Parking brake
- ROPS
- ROPS mounted Work Lights
- Rotating Beacon
- Scrapers, spring loaded and foldable
- Seat belts
- Seat, suspended for platform and cab
- Sliding and swivelling operators station
- Speedometer and impactometer
- Sprinkler, additional bars
- Sprinkler extra flow button
- Sprinkler timer
- Steering wheel, tiltable
- Tachometer display
- Hydraulic fluid temperature display
- Tie down points
- Towing valve
- Vandal cover for instrument panel (not cab)
- Vibration quick stop
- Vibration shut off - front or rear drum
- Voltage meter display
- Water level gauge
- Warning - Air cleaner
- Warning - Brake
- Warning - Engine temperature
- Warning - Engine oil pressure
- Warning - Clogged Hydraulic fluid filter
- Warning - Hydraulic fluid temperature
- Warning - Low charge
- Warning - Low fuel level

Optional Cab includes

- Air filtering system
- Fan, fresh air (3-speed)
- Interior light
- Rear view mirror, internal
- Seat belt
- Safety glass, tinted
- Side windows, openable
- Heater
- Wiper with washer, front/rear

Optional Equipment

- Asphalt temperature meter
- Biodegradable hydraulic fluid
- Cocoa mats for drums
- Compaction Analyzer - DCA-A
- Edge press device prepared for joint cutter
- First aid box
- Frequency meter
- Heat cover for combi wheels
- Lights, night working, xenon
- Off set drums, rear pivot steering
- Process mirrors
- Rear view mirrors, external
- Seat, luxury for platform and cab
- Slow moving vehicle sign
- Tachograph
- Tool set
- Tool box
- Towing eyelets front & rear
- Water tank cover, lockable

Take care of your equipment!

- Service Kit 50 Hrs.
- Service Kit 250/750 Hrs.
- Service Kit 500 Hrs.
- Service Kit 1000 Hrs.
- Shock Absorber Kit
- Steering Hitch Kit
- Drum Rotation Kit
- Eccentric Shaft Kit

Options for cab

- Air condition (AC), basic cooling function
- Air condition (ACC), automatic climate control
- Radio & CD player
- Rear view mirrors, external
- Seat, luxury for cab

Standard equipment/Optional equipment may vary for different machines and markets.

Find your local dealer at www.dynapac.com

DYNAPAC

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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.