

DYNAPAC SOIL COMPACTORS

Dynapac CA250/270/300/510/610



PRESENTING THE COMPLETE DYNAPAC SOIL COMPACTOR RANGE These machines and their variants, are the next generation of Dynapac CA single drum vibratory rollers. With their state-of-the-art designs and unique features, they represent yet another example of Dynapac's innovative thinking.

A NEW PERSPECTIVE ON COMPACTION GROUNDS

THE COMPLETE PICTURE

There is much more to soil compaction than the roller. When we developed this generation, we applied our unmatched know-how in the field of soil compaction to the entire compaction mission. This ranges from planning the task, through the rolling phase, to analyzing the results once the job is complete.

FAST, SIMPLE, PROFITABLE

Our aim is to make your compaction mission as fast, simple and profitable as possible, from beginning to end. To achieve this, we focus on three clear steps: Preparation, Performance and Protocol – we call it Mission Compaction.

OPTIMIZED PARAMETERS

Provide superior compaction performance.

LOW NOISE AND LOW FUEL CONSUMPTION

Sustainability and working environment in focus.

MISSION CONTROL

Puts you in full control of the entire compaction process.

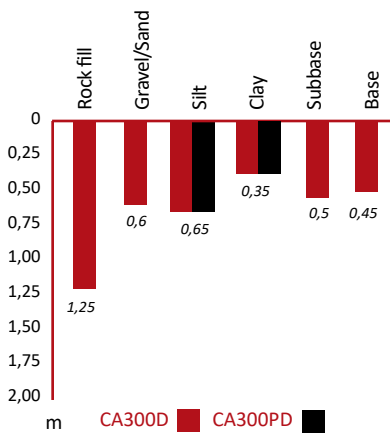
EASY MAINTENANCE

Designed to simplify service.

DYNAPAC CA250, CA270, CA300

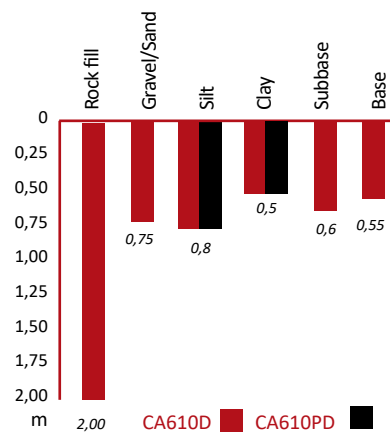
The Dynapac CA250 - CA300 are medium heavy vibratory soil compactors, typical utility machines, designed for long working days in tough applications. All types of base courses and reinforcement courses can be compacted to considerable depth. The 35 mm hitch drum ensures excellent resistance to wear - even in compaction operations on rockfill.

The padfoot version has it's major range of application on cohesive material and disintegrated rock. All types of base courses and sub-base courses can be compacted.



DYNAPAC CA510, CA610

The CA510 and CA610 are heavy rollers designed for the toughest compaction applications. Rockfill can be compacted in 2-meter thick layers, in which the size of the rocks can be up to 1 meter in diameter. The smooth drum shell thickness is 50 mm, which gives a long productive lifetime for compaction of rockfill, gravel and sand. Pad-foot drum is available for compaction of silt and clay materials. These rollers are a great investment for the bigger projects as compaction performance and capacity are outstanding.



Operating mass	10 000 - 15 000 Kg
Static linear load	30- 38 kg/cm
Drum width	2 130 mm

Operating mass	18 000 - 21 000 Kg
Static linear load	58 - 66 kg/cm
Drum width	2 130 mm



TECHNICAL FEATURES AND
BENEFITS DURING PAVING

PERFORMANCE/DURABILITY

Thick drum shell ensures compaction performance and long running time before change.

PERFORMANCE

Easy accessible scrapers divided to follow drum movement and replacement at low cost.

COMPACTION PERFORMANCE

Several compaction data to choose among.





DYNAPAC

LIGHTS

Night or day? Choose working/driving lights according to your needs.

PERFORMANCE

Clean inlet air (combination and cooling) taken in as high as possible.

EXCELLENT ACCESS TO ENGINE

The engine at the rear offers excellent access for all service and maintenance needs. The engine hood is easy to open for quick maintenance and the hydraulic pumps are in line with the engine and fully accessible for service.

SAFETY

Sloping engine hood and 1x1 meter view front & rear.

CA250

SAFETY/PERFORMANCE

Heavy duty rear axle with failsafe brakes.

UNIQUE ADVANTAGES



VERY LOW NOISE LEVEL

The noise level is very low, since the cooling air intake is placed at the top of the hood with the outlet down the sides, combined with the ejector exhaust outlet.

CLEAN INLET AIR

The position of the combustion air intake also has the advantage of keeping the inlet air as clean as possible, an important factor in the dusty environments in which these rollers operate.

ENGINES FROM CUMMINS

The new soil vibratory rollers provides excellent serviceability. The Dynapac CA250/270/300 are equipped with Cummins Tier I / II , water cooled , 4 cylinder engines, while the Dynapac CA510/610 are equipped with Cummins Tier II/III, water cooled, 6 cylinder engines.

The engine gives both optimal weight distribution and ease of transportation as it keeps down machine length. The low profile of the hood gives a 1 x 1 meter view to the rear.

THICK DRUM SHELL

Ensures a long running time before a drum change is required.

DIVIDED SCRAPER BLADE

Keeps drum free of material during operation and can be replaced quickly and at low cost.

WHEN YOU NEED US, WE'RE THERE

Dynapac's international service network offers full support and assistance with all parts and service needs.

GET THE RIGHT COMPACTION AT ANY TIME



APPLICATION ADVANTAGES

- Immediate readings
- Continuous readings—not just spot checks
- Improved capacity for homogeneous compaction
- A better guarantee of obtaining the specified compaction
- Easy to discover bad sections
- Reduces expensive inspections
- Minimizes the number of passes
- Bouncing warning, less risk for over-compaction (destroying the material)

HOW IT WORKS

The accelerometer sensor, mounted on the drum module, continuously emits signals that are processed and presented as CMV (compaction meter value) on the instrument panel. The CMV shows the stiffness of the compacted material: the higher the CMV, the stiffer the material is. When the CMV stops increasing, the material is at maximum compaction.

A WIDE SELECTION, DYNAPAC CA250 - CA610

STANDARD EQUIPMENT

Cummins 4BTA 3.9 turbo diesel Engine (CA250/270/300)
Cummins 6BTAA5.9-C170, Tier 2 or Cummins QSB6.7-C173. Tier 3.
(CA510/610)
Self propelled Vibratory compactor with smooth drum
50mm Drum frame
Adjustable seat
Dual speed on rear axle as standard
Dual Amplitudes
Drum drive as standard fitment
Documentation (manuals)
Electronic control unit
Emergency Stop
Vibration quick stop
Vibration shut off
Warning – service indicators
Back up alarm
Fuel level gauge
Hour meter
Hydraulic check points
Lifting points
Lockable Hood
Main Battery switch
Neutral start engagement
Operator platform with anti vibration mounting
Parking Brake
Rear view mirror
Tool Box
Rear Working lights
Steel Scraper (front)

STANDARD EQUIPMENT CAB

AC with heater
CAB working lights
Integrated ROPS
Interior light
Life saving hammer
Rear view mirror, external / internal
Safety belt
Side windows
Wiper with washer , front



OPTIONAL EQUIPMENT



BOLT-ON PADFOOT-SHELLS*

Transform your smooth drum roller to a pad foot roller in less than 4 hours. The PD-shell kit extends the utilization of your rollers when you have cohesive and semi-cohesive soils to compact.

COMPACTION METER

In all projects it is vital to do the right thing – and to do the things right. The compaction meter is the basic tool to meet the compaction requirement. It displays the increase of compaction to eliminate over compaction and bouncing-saves fuel, environment and money.

* PD is not available for CA270D ROPS & CAB models

DYNAPAC CA250 / CA270 / CA300 / CA510 / CA610

	Drum width, mm	Operating mass, kg	Static linear load, kg/cm	Amplitude, Hi/low, mm	Frequency, Hi/low, Hz
CA250D	2130	11,200	30	1.7/0.8	33/33
CA250 + PD shell	2130	12,100	-	1.6/0.8	33/33
CA270D	2130	11,900	33	1.7/0.8	33/33
CA300D	2130	12,550	38	1.7/0.8	33/33
CA300 + PD shell	2130	13,800	-	1.7/0.8	33/33
CA510D	2130	18,300	58	1.8/1.1	29/31
CA510PD	2130	18,300	-	1.8/1.1	29/31
CA510 + PD shell	2130	19,700	-	1.4/0.9	29/31
CA610D	2130	20,750	66	1.8/1.1	29/31
CA610PD	2130	20,750	-	1.8/1.1	29/31
CA610 + PD shell	2130	22,150	-	1.4/0.9	29/31

ALL-IN-ONE BOX KITS

An all-in-one box, tailored to match your equipment. The parts you need, when you need them! An all-in-one box contains all the parts required as part of the equipment's scheduled maintenance program. When installed by an Atlas Copco certified technician, you keep your downtime to a minimum and your equipment in top condition its entire life.

Find a suitable kit at dynapac.com/kitsselector

FLUIDS

- The right fluid optimizes machine performance
- Simplified selection process, less time spent on finding the right oil
- Delivery in a handy container, no need for transfer from an oil drum
- All-in-one delivery, less time spent on waiting and dealing with different suppliers
- One invoice, less administration

Find a suitable fluid at dynapac.com/fluidselector

Please contact your sales rep for more information.

EXTENDED WARRANTY

We offer extended warranty for all Dynapac rollers. The extended warranty will help you keep control of the cost of your Dynapac equipment as well as maximizing availability. The warranty is valid both for the complete machine and for critical components. You can choose between 12 / 24/ 36/ 48 months extended warranty.



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