

Dynapac CA2500D: Latest generation of Dynapac soil roller with state-of-the-art design and unique features.


[Create PDF sheet](#)
[Request information](#)

Contact

[View contact details](#)

QUICK LINKS

[Atlas Copco Print Shop](#)
[Atlas Copco Photo Gallery Dynapac CA1300](#)
[Road Construction Equipment on Facebook](#)
[Dynapac Service tool](#)
[Product information](#)
[Operation & Maintenance manuals](#)

These machines and their variants, are the fifth generation of Dynapac CA single drum vibratory rollers. With their state-of-the-art designs and unique features, they represent yet another example of Atlas Copco's innovative thinking. 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.

Features & benefits

- Optimized parameters
- Active Bouncing Control
- Cross-mounted engine
- Low noise and low fuel consumption
- Mission control

Technical description

[Technical datasheet Dynapac CA2500D - Download](#)

[Brochure Dynapac CA2500D - Download](#)

Technical data

 Units: [Metric](#) [Imperial](#)

Technical Specifications	
Model type	D- Smooth drum
Masses	
Operating mass, incl. ROPS	10100 kg
Operating mass, incl. CAB	10300 kg
Module mass, front	5600 kg
Module mass, rear	4700 kg
Max. operating mass	11900 kg
Dimensions	
Drumwidth	2130 mm
Traction	
Speed	4 - 12 km/h
Vertical oscillation	±9°

Tyre size (8 ply)	23,1 x 26 AW
Theoretical gradeability	51 %
Compaction	
Static linear load	26 kg
Nominal amplitude, high	1.8 mm
Nominal amplitude, low	0.9 mm
Vibration frequency, high	33 Hz
Vibration frequency, low	34 Hz
Centrifugal force, high	250 kN
Centrifugal force, low	130 kN
Engine	
Engine brand / model	Cummins QSB 4.5, IIIB/T4i
Power rating	97 kW (132 hp) at 2200 rpm
Engine brand / model (optional)	Cummins QSB 4.5, IIIA/T3
Power rating (optional engine)	82 kW (110 hp) at 2200 rpm
Hydraulic system	
Driving	Hydrostatic
Vibration	Hydrostatic
Steering	Hydrostatic
Service brake	Hydrostatic in forward and reverse lever
Parking/ Emergency brake	Failsafe multidisc brake in drum gear box and in rear axle
Capacities	
Fuel tank capacity	272 l