

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


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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](#)

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Technical data

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

Technical Specifications	
Model type	D- Smooth drum
Masses	
Operating mass, incl. ROPS	22266.66 lb
Operating mass, incl. CAB	26675.9 lb
Module mass, front	12345.87 lb
Module mass, rear	10361.71 lb
Max. operating mass	26234.98 lb
Dimensions	
Drumwidth	83 27/32 inch
Traction	
Speed	---

Vertical oscillation	±9°
Tyre size (8 ply)	23,1 x 26 AW
Theoretical gradeability	51 %
Compaction	
Static linear load	57.32 lb
Nominal amplitude, high	0.07 inch
Nominal amplitude, low	0.04 inch
Vibration frequency, high	33 Hz
Vibration frequency, low	34 Hz
Centrifugal force, high	-
Centrifugal force, low	-
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	71.85 gal