CA6500D

Single drum vibratory rollers



DYNAPAC
FAYAT GROUP

TECHNICAL DATA



Engineered for Excellence

- Best-in-class drum shell thickness with 48 mm
- SEISMIC SOIL: high compaction quality, less fuel, lower emissions and less noise and bouncing
- Active bouncing control to protect the machine investment, operator and compacted material
- 180° swivelling operator's station
- Cross mounted engine with excellent serviceability
- Excellent maneuverability

Options

	Standard	Option
Back-up alarm, tonal or quacker	✔	
Dual amplitudes	✔	
Dual Frequencies	✔	
Dyn@Link Advanced	✔	
EcoMode	✔	
External Mirrors	✔	
Frequency Meter	✔	
No Slip Rear Axle	✔	
Rotatable Operator's Station, 180º	✔	
Rotating Beacon, LED	✔	
Working Lights, LED	✔	
SEISMIC SOIL		✔
Automatic or Manual Traction Control		✔
Back Up Camera		✔
Compaction Meter, CMV (DCM/ABC)		✔
Driving Lights		✔
Dyn@Lyzer		✔
EcoSave		✔
Emergency stop, dual external		✔
Engine block heater (230V)		✔
Headrest with textile cover		✔
Radio with MP3/Bluetooth		✔
Scrapers, flexible or fixed		✔
Seat cover		✔
Special color		✔

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. All information are supplied without liability. This document was generated in March 2025.

Technical Data

Masses

Operating mass (incl. ROPS)	20700 kg	
Operating mass (incl. Cab)	20900 kg	
Module mass (front/rear)	13950 kg	6950 kg
Max. operating mass	21000 kg	

Dimensions

Drum width	2130 mm

Compaction

Static linear load	65 kg/cm	
Nominal amplitude (high/low)	2.1 mm	0.8 mm
Centrifugal force (high/low amplitude)	360 kN	150 kN
Vibration frequency (high/low amplitude) SEISMIC available (values for manual mode)	29 Hz	30 Hz

Traction

Speed range (TC/AS)	0-11 km/h
Vertical oscillation	±9°
Tyre size	23.1 x 26 (12 ply) AW
Max. theoretical gradeability	45%

Engine

Manufacturer/Model	Cummins B4.5 (Stage V/T4final)
Type	Water cooled turbo Diesel
Rated power, SAE J1995	149 kW (200 hp) @ 2,200 rpm
Fuel tank capacity	255 l
DEF tank capacity	30 l

Engine

Manufacturer/Model	Deutz TCD2012L06 (IIIA/T3)
Type	Water cooled turbo Diesel
Rated power, ISO 14396	150 kW (204 hp) @ 2,200 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



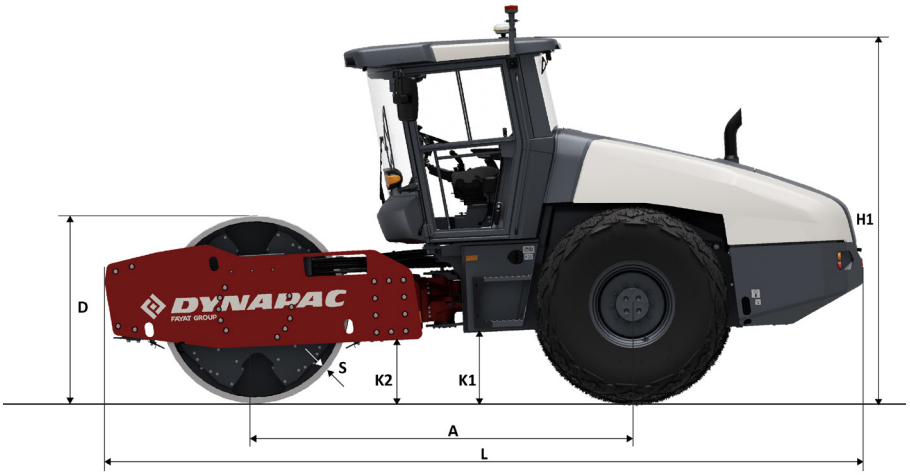
Platform configurations

	ROPS/FOPS	Standard	Comfort
Operator's station	Fixed or Rotatable	Rotating	
Operatos's seat	Suspension	Suspension & comfort	
Steering wheel	Adjustable		
Seat belt	3" with buzzer		
Rear view mirror	Traffic	Traffic, Internal	
Floor mat	Standard 5 mm		Thick noise absorbing 20 mm
Panels	Back cover		Covering most steel plates
Charger socket	One 24V		One USB, One 12V
Storage	In back cover		Back cover, side panel, back upper shelf
Vandal cover	Yes	-	-
Cooling box holder	-	Yes	
Cooling box	-	-	Yes
Working light	LED		
Interior light	-	Door	Door w. timer, night light
Rotating beacon	Single LED		Dual LED
Air Condition	-	AC (option)	Automatic Climate Control, ACC
Heating	6 nozzles		8 nozzles with floor heating
Windows	-	Tinted	
Sun protection	-	Front screen print	Front screen print, sun visor front, sun curtain back
Wipers	-	Front, rear	Front, rear + Interval front
Inner roof	-	Noise absorbing	
Hooks	-	One	Two
Entertainment	-	Optional Radio	FM/AM radio with MP3/USB and Bluetooth
Footrest	-	–	Yes
Service interval/daily check in display	-	–	Yes
Entry light	-	–	On footsteps, ladder and battery cabinet

Dimensions

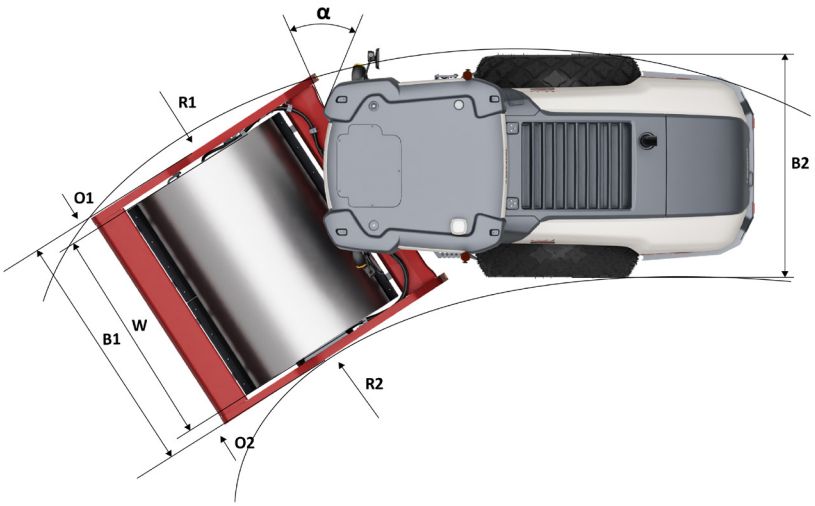
SIDE VIEW

A	3100 mm	Wheelbase
D	1546 mm	Drum diameter
H1	2890 mm	Height, with ROPS/cab
H2	2130 mm	Height, w/o ROPS/cab
K1	450 mm	Ground clearance
K2	450 mm	Curb clearance
L	6240 mm	Length
S	48 mm	Drum shell thickness



TOP VIEW

B1	2380 mm	Width, front
B2	2130 mm	Width, rear
O1	125 mm	Overhang, right
O2	125 mm	Overhang, left
R1	5800 mm	Turning radius, outside
R2	3300 mm	Turning radius, inside
W	2130 mm	Drum width
a.	±38° mm	Steering angle



Highlights

Dyn@Lyzer

With Dyn@Lyzer, you can easily track your passes, including the number and location of each pass, as well as compaction values and detailed documentation of compaction work. It also records and maps stiffness and tracks progress over time, drawing data directly from the compaction meter. Post-job analysis helps identify weak spots, optimize processes, and improve efficiency.



Serviceability

Dynapac's service concept makes all service points easy to reach. With an easily opened engine hood and cross-mounted engine you have excellent access for all service and maintenance need from ground level. Hydraulic pumps are in line with the engine and fully accessible for service. The hitch is maintenance free with no need for lubrication.



Rotating Seat

Experience optimal comfort with a 180° rotating workstation, designed for seamless movement whether you're going forward or in reverse. This innovative design helps operators maintain a natural posture, reducing fatigue and enhancing productivity. The ergonomic setup supports long hours of efficient operation.



EcoMode & EcoSave

Next step in our development of eco-solutions. Working in harmony with our existing Eco-Mode function, EcoSave takes sustainable compaction a step further by automatically shutting down when the machine has been idle for more than a pre-set time limit chosen by the operator. It provides an alert when there is one minute left on the timer, with the option to extend the time.



Proven performance

SEISMIC SOIL reduce fuel usage by up to 55%

55%
Less fuel required

SEISMIC SOIL

With the one-of-a-kind SEISMIC SOIL technology, you get high-quality results, increased productivity, and energy efficiency, as well as operator comfort and simplicity. SEISMIC monitors the natural frequency of the drum and soil system. The drum vibration frequency is continuously adjusted to deliver the best compaction result in the most energy efficient way. All of this happens automatically and in real-time. Operation is seamless with the system adjusting five times per second.

SEISMIC

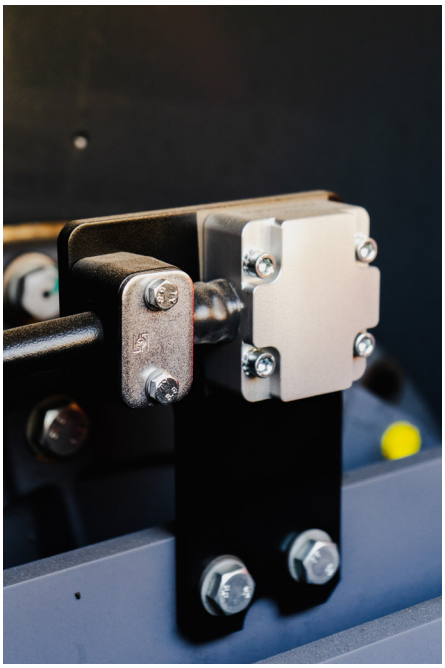


Productivity

By utilizing SEISMIC SOIL technology, the number of compaction passes can be reduced by up to 30% in some applications, which not only saves time but also reduces fuel consumption and equipment wear. When vibrating at the natural frequency, the drum's amplitude is optimized, as energy is efficiently supplied at the perfect time. This ensures effective compaction with minimal energy as well as cost and fuel savings of up to 55%.

Dynapac Compaction Meter

The Dynapac Compaction Meter provides real time stiffness measurements to ensure optimal compaction. The compaction meter can present three unique values for the operator, CMV, Evib1 and Evib2 – the closest representation to density levels available on the market today. The optional system is standard with SEISMIC SOIL. The same sensors for the compaction meter are used to calculate the frequency adjustment of the SEISMIC SOIL System.



Questions?
We’re Happy to Help

Find your closest dealer at dynapac.com

