

CA5000PD Single drum vibratory rollers





TECHNICAL DATA

MASSES

Operating mass (incl. ROPS) 16,300 kg
Operating mass (incl. Cab) 16,500 kg
Module mass (front/rear) 10,950 kg/5,550 kg
Max. operating mass 17,400 kg

DIMENSIONS

Drum width 2,130 mm

COMPACTION

Nominal amplitude (high/low) 1.9 mm/1.0 mm

Centrifugal force (high/low amplitude) 330 kN/180 kN

Vibration frequency (high/low amplitude) SEISMIC available (values for manual mode) 29 Hz /30 Hz

TRACTION

Speed range (Dual/TC/AS)	4/6/7/11 km/h
Vertical oscillation	±9°
Tyre size (12 ply)	23.1 x 26 TR
Max. theoretical gradeability	53 %
Number of pads	130
Pad height	102 mm
Pad area	146 cm ²

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 I

DEF tank capacity 30 I

ENGINE

Manufacturer/Model Deutz TCD2012L06 (IIIA/T3)

Type Water cooled turbo Diesel

Rated power, ISO 14396 128 kW (174 hp) @ 2,200 rpm

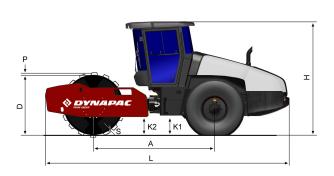
HYDRAULIC SYSTEM

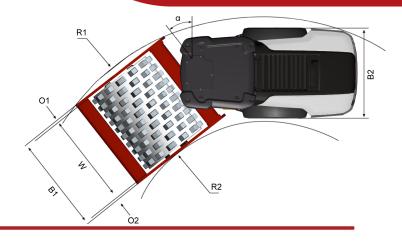
Driving Hydrostatic
Vibration Hydrostatic
Steering Hydrostatic
Service brake Hydrostatic in forward and reverse lever.
Parking/ Failsafe multidisc brake in drum gear box Emergency brake and in rear axle.

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DIMENSIONS

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A. Wheelbase	3,100 mm
B1. Width, front	2,340 mm
B2. Width, rear	2,130 mm
D. Drum diameter	1,518 mm
H1. Height, with ROPS/cab	2,890 mm
H2. Height, w/o ROPS/cab	2,130 mm
K1. Ground clearance	450 mm
K2. Curb clearance	450 mm
L1. Length	6,240 mm
L2. Length, with strike-off blade	6,740 mm
O1. Overhang, right	105 mm
O2. Overhang, left	105 mm
P. Pad height	102 mm
R1. Turning radius, outside	5,800 mm
R2. Turning radius, inside	3,300 mm
S. Drum shell thickness	34 mm
W. Drum width	2,130 mm
α. Steering angle	±38°

OPTIONAL EQUIPMENT

Air Conditioning /Automatic Climate Control (ACC) (Optional)

- The system contains fluorinated greenhouse gases.
- Coolant designation: HFC-134a
- Coolant weight when full: 1,35 kg
- CO₂-equivalent: 1,930 ton
- GWP: 1430