

Vibratory tandem roller

Dynapac CC421

The Dynapac CC421 is a 10 ton vibratory tandem roller. The CC421 is a profit-making production roller for most types of high quality compaction work on subbases, base courses and asphalt wear courses. It meets tough compaction requirements on highways, roads, airport runways and other large industrial/commercial paving jobs.

The roller is also well suited for compaction of asphalt or cement-stabilized mixes to required density.

When designing this new CC421 roller, special attention was paid to serviceability, reliability and operator comfort.



Denominations

Drum
Engine

CC421

Asphalt
Deutz

Transportation

Overall width, mm 1 810 (72 in)
Overall length, mm 4 990 (196 in)
Overall height, mm 2 360 (93 in)
Overall height with cab, mm 2 980 (117 in)

Traction

Max. operating weight CECE, kg 10 600 (23 373 lb)
Operating weight CECE, kg 9 800 (21 606 lb)
Front module weight, kg 4 900 (10 805 lb)
Rear module weight, kg 4 900 (10 805 lb)
Gradeability, % 27

Drum dimensions

Drum width, mm 1 675 (66 in)
Drum diameter, mm 1 215 (48 in)
Drum shell thickness, mm 20 (0.8 in)

Compaction characteristics

Static linear load, kg/cm
front 29.2 (163 pli)
rear 29.2 (163 pli)
Nominal amplitude, mm
high 0.83 (0.033 in)
low 0.40 (0.016 in)
Vibration frequency, Hz 47 (2 820 vpm)
Centrifugal force, kN
at high amplitude 123 (27 100 lbs)
at low amplitude 60 (13 200 lbs)
Water tank, litres 2 x440 (2x116 US gal)

Manoeuvrability

Turning radius, mm
inner 4 160 (164 in)
outer 5 760 (230 in)
Vertical oscillation +/- 9°
Min. lateral overhang, mm 65 (2.6 in)
Curb clearance, mm 370 (14 in)
Speed range, km/h 0-11 (0-7 mph)

Brakes

Service brake Hydrostatic
Parking/emergency brake Failsafe multidisc on both drums

Propulsion

Engine	Deutz	Cummins
Make and model	F6L912	6 BT 5.9
Rated power at 2400 rpm (DIN), kW	80 (107 hp) Net	92 (125 hp)
Fuel tank capacity, l	230 (60 US gal)	230 (60 US gal)

Optional equipment

Canopy kit
EROPS incl seat belt
Cab
Cab heater with timer
Radio and cassette player
Rotating beacon for cab
Noise reduction for cab
Compaction meter
Recorder for compaction meter incl terminal block
Terminal block for recorder
Multimeter
Dual F/R control
Pump for brake releasing
Traffic lights
Rotating beacon
Noise reduction
Back up alarm
Tool set

Standard equipment and instrumentation

Brake warning light	Measuring nipples
Charging light	ROPS platform
Dashboard light	Swivel platform
Engine oil pressure light	Speedometer
Engine heat indicator (horn signal)	Tachometer/hourmeter (electric)
Filters for sprinkler system	Seat belt
Fuel gauge	Vibration selector
Frequency meter	Vibration quick stop
Horn	Working lights
ROPS	

Standard equipment/Optional equipment may vary for different markets

Standard equipment in cab

Fan ventilation, front & rear wiper, interior light, internal rear view mirror, rear view mirrors (left & right), rotating beacon, sliding window, sunscreen, tinted safety glass, working lights (front & rear).

DYNAPAC

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