

Cat® CB10

Asphalt Compactor

The new Cat® CB10 asphalt compactor offers enhancements that simplify operation, provide versatility, and deliver excellent fuel economy. Rotary dials, oscillatory vibration, and 360° seating make this compactor a perfect match for urban streets, highways, and other intermediate-type applications.

Simple to Operate, Easy to Learn

- Large, full-color displays keep the operator informed of machine functions including water and fuel levels, impact spacing, and mat temperature
- Innovative hand-wheel steering technology delivers precise control and good forward visibility
- Easily activate the vibratory system, water spray system and drum offset with the multi-function propel handle
- Machine functions with LED indicators have been independently grouped for simplified control and quick activation
- Rotary dials with green light indicators provide quick visual reference and fingertip feel for quick adjustment to speed control and water spray timers

Better Fuel Economy

- Get up to 10% better fuel economy with the Cat® C3.6 engine and standard Eco-mode
- The C3.6 engine provides 90 kW (120 hp) of power and meets U.S. EPA Tier 4 Final and EU Stage V emissions
- Unique Eco-mode design modifies engine speed based on load requirements; high amplitude vibration utilizes higher engine speed, while static rolling conserves fuel and operates at low engine speed with even lower sound levels

Easy Vibratory System Set-up

- Versa Vibe™ vibratory system creates a 2-in-1 machine with four amplitudes and two frequencies; two settings for lighter hitting and higher working speeds on thin lifts; and two settings for heavier hitting and slower speeds on thick lifts and challenging mix designs
- 2-amplitude/2-frequency vibratory system automatically optimizes amplitude and frequency with a single switch for simple thin/thick lift operation
- Reach compaction goals with automatic speed control; green indicators help ensure travel speed matches correct impact spacing

Compaction Options Include Oscillation

- Oscillatory vibration on the rear drum combined with standard vertical vibration front drum delivers both performance and versatility
- Oscillation system utilizes proven pod-style eccentric weight technology developed by Caterpillar
- 2 year/2000 hour service interval helps maximize uptime and limit maintenance costs.
- Durable power-transmission belt delivers 2-times the load capacity of timing belt systems leading to extended life
- Standard drum shells offer exceptional long-term life on a variety of mix designs and delivers outstanding mat texture, density, and smoothness.

CAT®

Ensure Mat Coverage with Compaction Control

- Pass-count and Temperature Mapping combines infrared temperature sensors with GPS mapping to keep the operator informed of current asphalt temperatures, machine position, pass-count, and layer coverage
- Compaction Meter Value (CMV) utilizes a drum-mounted accelerometer to measure the combined stiffness of the asphalt layer, base layer, and sub-base layer to indicate road structure quality beneath the surface
- Machine to Machine communication helps keep rolling patterns in sync by sharing mapped data such as CMV, temperature mapping, and pass count coverage between multiple machines

Prevent Build-Up, Keep the Drum Surfaces Wet

- High capacity water tank provides long duration between fills
- Dual water pumps provide back-up capability and alternate with direction of travel to maximize service life
- Triple filtration prevents clogs with filters located at the fill point, water pumps, and spray nozzles
- Simple rotary dial provides adjustable spray settings and intermittent modes that help conserve water
- Integrated freeze protection kit (optional) provides protection in cold temperatures when machine is not in use

Boost Performance with Enhanced Visibility

- Optimize sight lines with 360° seating option; always face the direction of travel
- LED Lighting delivers excellent job site illumination while conserving energy
- Night-lighting option provides additional illumination to the ROPS/Cab, drum edges, and drum surfaces

Product Link™

- Make timely, fact-based decisions to maximize efficiency, improve productivity, and lower owning and operating costs
- Easily track location, machine hours, fuel usage, and idle time
- Diagnostic codes are made available through online web applications
- Remote flash works around your schedule to ensure your machine's software is up to date for optimal performance

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
OPERATING ENVIRONMENT		
180° seat positioning w/sliding station	✓	
360° seat positioning w/sliding station		✓
Adjustable armrests	✓	
Platform ROPS/FOPS	✓	
Propel lever with 4-button control	✓	
Steering wheel - fixed position, left side	✓	
Steering wheel - elevated position, left side		✓
Suspension seat - no heat	✓	
Suspension seat - with heat		✓
Seat headrest		✓
Seat belt - 76 mm (3") high visibility	✓	
Full-color display with touch-screen operation	✓	
Vandalism protection	✓	
TECHNOLOGY		
Infrared asphalt temperature sensors		✓
CMV accelerometer - front drum		✓
GNSS Mapping - Temperature and Pass-count		✓
Machine to Machine Communication		✓
Product Link™ PLE743	✓	
Product Link PLE783		✓
Remote Flash	✓	
Remote Troubleshooting	✓	
POWERTRAIN		
Cat C3.6, 4-cylinder	✓	
Hitch - offset		✓
Hydraulic oil - biodegradeable		✓
ELECTRICAL SYSTEM		
150 amp alternator	✓	
12-volt charging system	✓	
Automotive-type fuse system	✓	
Batteries - maintenance-free	✓	
Cat Electronic Technician (Cat ET)	✓	
Remote start/charge receptacle	✓	

	Standard	Optional
VIBRATORY SYSTEM		
Two amplitude/two frequency - both drums	✓	
Versa Vibe™- both drums		✓
Two amplitude/two frequency w/Oscillation		✓
Versa Vibe w/Oscillation		✓
Mats - cocoa		✓
Mats - water distribution		✓
Freeze protection - water spray system		✓
Rear drum oscillation kit - field installed drum		✓
SERVICE AND MAINTENANCE		
Maintenance-free Hitch	✓	
3 yr/3000 hr conventional vibratory system service interval	✓	
2 yr/2000 hr Oscillatory vibration system service interval	✓	
Grouped filters with ground level access	✓	
Remote access drains	✓	
Sampling ports for Scheduled Oil Sampling (S·O·S℠)	✓	
Sight Gauges	✓	
- Engine coolant	✓	
- Hydraulic oil	✓	
SAFETY		
Alarm, back-up	✓	
Horn, warning (front & rear)	✓	
LED Working Lights	✓	
LED Working Lights with turn signals		✓
LED Roading Lights		✓
Mirror package		✓
Warning, LED safety beacons	✓	
Steps, front drum fuel refill	✓	
Steps, rear drum water spray refill		✓

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Technical Specifications

PowerTrain

Engine Model	Cat C3.6	
Rated Power @ 2400 rpm	90 kW	120 hp
Global Emissions: *US EPA Tier 4 Final/EU Stage V equivalent*		
Speed – Operating	0-7 km/h	0-4 mph
Speed – Travel	11 km/h	0-7 mph
Gradeability	30%	

Machine Weight

Operating Weight – ROPS	9815 kg	21,638 lb
Shipping Weight – ROPS	9320 kg	20,547 lb
Operating Weight – Cab	10 085 kg	22,234 lb
Shipping Weight – Cab	9590 kg	21,142 lb

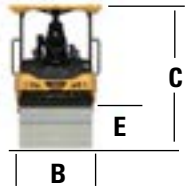
Operating Weights are approximate and include ROPS, Cab, coolant, lubricants, full fuel tank, 50% water and 75 kg (165 lb) operator.

Service Refill Capacities

Fuel Tank	138 L	36.5 gal
Water Spray Tank	855 L	225 gal
Cooling System	21 L	5.5 gal
Engine Oil	10.6 L	2.8 gal
Hydraulic Tank	32 L	8.5 gal
DEF Tank	7.9 L	2 gal

Dimensions

A	Overall Length	4740 mm	15' 6"
B	Overall Width	2176 mm	7' 1"
	Drum Width	1700 mm	67"
	Drum Offset	170 mm	6"
	Drum Shell Thickness	16 mm	0.67"
	Drum Diameter	1198 mm	47"
C	Height at ROPS/FOPS	2984 mm	9' 10"
	Height at Cab	2984 mm	9' 10"
D	Wheelbase	3540 mm	11' 7"
	Ground Clearance	240 mm	9.5"
E	Curb Clearance	935 mm	37"





Vibratory Systems

2-Amplitude, 2-Frequency		
Frequency – HZ (vpm)	40	2400
Amplitude – mm (in)	0.82	0.032
Centrifugal Force – kN (lbF)	70.6	15,871
Frequency – HZ (vpm)	63.3	3800
Amplitude – mm (in)	0.32	0.012
Centrifugal Force – kN (lbF)	69.8	15,692
2-Amplitude, 2-Frequency (CE)		
Frequency – HZ (vpm)	40	2400
Amplitude – mm (in)	0.82	0.032
Centrifugal Force – kN (lbF)	70.6	15,872
Frequency – HZ (vpm)	53.3	3200
Amplitude – mm (in)	0.32	0.012
Centrifugal Force – kN (lbF)	49.5	11,128
Oscillation – Rear Drum		
Frequency – HZ (vpm)	40	2400
Amplitude – mm (in)	1.12	0.044
Centifugal Force – kN (lbf)	81.1	18,232
Versa Vibe™		
Frequency– HZ (vpm)	40	2400
Amplitude – mm (in) Drum setting H	0.86	0.034
Drum setting L	0.72	0.028
Centifugal Force – kN (lbf) Drum setting H	75.8	17,041
Drum setting L	63.1	14,185
Frequency– HZ (vpm)	63.3	3800
Amplitude – mm (in) Drum setting H	0.39	0.015
Drum setting L	0.26	0.010
Centifugal Force – kN (lbf) Drum setting H	86.7	19,490
Drum setting L	58.2	13,084

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

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