



Cat[®]

CB66B, CB68B

TANDEM VIBRATORY ROLLERS

Top Features

The CB66B and CB68B are 13 to 14 metric ton compactors with 2130 mm (84") tandem vibratory drums. These large models deliver excellent mat densities, good visibility and comfort, fuel efficiency with Eco-mode, and an industry-leading water spray system.

- **Exceptional Visibility and Control** with hand-wheel steering, touch-pad machine functions, LCD display, and 180° seating option help keep operators engaged.
- **Smooth and Quiet Powertrain** with C4.4 engine that meets emissions equivalent to U.S. EPA Tier 3 and EU Stage IIIA emissions standards. Eco-mode, automatic engine speed control, and the auto-vibe features help provides reliable control.
- **Simple Vibratory Systems** include the high-impact 5-amplitude system, two amplitude/two frequency system, or the highly versatile Versa-Vibe system. These versatile options are able to match thick or thin lifts as well as various paving speeds.

Specifications

Weights

CB66B Operating Weight with ROPS/FOPS/CANOPY

Standard machine	13 180 kg	29,057 lb
Maximum machine	14 780 kg	32,584 lb
Static linear load	30.5 kg/cm	171 lb/in

CB68B Operating Weight with ROPS/FOPS/CANOPY

Standard machine	14 180 kg	31,262 lb
Maximum machine	15 780 kg	34,789 lb
Static linear load	32.9 kg/cm	184 lb/in

Standard Equipment

- 5-Amplitude Vibe System
- 12-Volt Electrical System
- 120 Amp Alternator
- 1000 L (264 gal) Water Tank Capacity
- Automatic Speed Control
- Automatic Traction Control
- Automatic Vibratory Control
- Eco-mode
- Front and Rear Solid Drums
- Locking Engine Compartment
- Mirrors
- Roading Lights
- ROPS/FOPS Platform
- Sealed Pod Vibratory System
- Solid Drums
- Suspension Seat
- Triple-Filtered Water Spray System with Plastic Spray Nozzles
- Two-Speed Hydrostatic Transmission
- Working Lights

- **Cat Compaction Control** keeps the operator informed for higher performance and efficiency. Infrared temperature sensors combined with mapping keep the operator informed of when optimal temperatures exist and where compaction has taken place. Temperature Mapping records data for future analysis, while Pass-Count Mapping keeps the operator informed of where mat coverage has taken place and the number of passes made.
- **Industry-Leading Water Spray System** features a single fill point, dual water pumps, dual spray bars, triple filtration, intermittent operation and high capacity for optimal performance. An optional freeze protection kit offers protection in cold temperatures.
- **Best Lifetime Value** with Eco-mode operation that conserves fuel, while oil-bath lubrication and 3 yr/3000 hr vibratory drum service interval extends operation and minimizes life-time operating costs.

Engine – Powertrain

Engine Model	Cat C4.4 with ACERT™ Technology		
	<i>* Meets emissions equivalent to U.S. EPA Tier 3, EU Stage IIIA, and China Stage III.</i>		
Gross Power:	106 kW	142 hp (I)	144 hp (m)
Number of Cylinders	4		
Rated Speed	2200 rpm		
Eco-mode	Variable on demand		
Bore	105 mm	4.13"	
Stroke	127 mm	5"	
Speed Ranges:			
Low	0 - 7 km/hr	4.5 mph	
High	0 - 13 km/hr	8 mph	
Steering (Inside)	4.265 m	(14')	
Articulation Angle	36°		

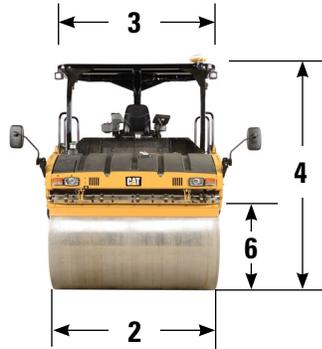
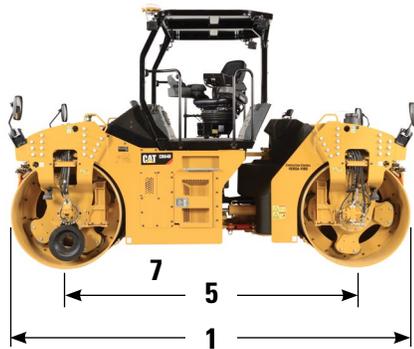
Service Refill Capacities

Fuel Tank	250 L	66 gal
Fuel Usage (50% duty)	12 hours	
Cooling System	21 L	5.5 gal
Engine Oil	8.1 L	2.1 gal
Hydraulic Tank	36 L	9.5 gal
Water Tank	1000 L	264 gal



CB66B, CB68B Tandem Vibratory Rollers

Dimensions



1 Overall Length	4742 mm	15' 6"
2 Drum Width	2130 mm	84"
Drum Offset	170 mm	6"
Drum Shell Thickness	17 mm	0.67"
Drum Diameter	1300 mm	51"
3 Overall width at ROPS	2325 mm	7' 8"
4 Height at ROPS/FOPS/Cab with Product Link™	3068 mm	10'
	3090 mm	10' 2"
5 Wheelbase	3450 mm	11' 3"
6 Curb Clearance	723 mm	28"
7 Ground Clearance	292 mm	11.5"

Vibratory Systems

Five Amplitude

Frequency – Hz (vpm)	42	(2520)
Amplitude – mm (in)		
high	1.03	(0.041)
medium high	0.95	(0.037)
medium	0.83	(0.033)
medium low	0.65	(0.026)
low	0.41	(0.016)
Centrifugal Force (high) – kN (lbF)	138.2	(31,069)
Centrifugal Force (low) – kN (lbF)	55.2	(12,409)

Versa-Vibe™

Frequency – Hz (vpm)	42	(2520)
Amplitude – mm (in)		
high	0.67	(0.030)
low	0.57	(0.026)
Centrifugal Force (high) – kN (lbF)	88.8	(19,963)
Centrifugal Force (low) – kN (lbF)	75.4	(16,950)

Frequency – Hz (vpm)	63.3	(3800)
Amplitude – mm (in)		
high	0.34	(0.016)
low	0.26	(0.012)
Centrifugal Force (high) – kN (lbF)	103.3	(23,222)
Centrifugal Force (low) – kN (lbF)	77.5	(17,422)

Two Amplitude, Two Frequency

Frequency – Hz (vpm)	42	(2520)
Amplitude – mm (in)		
high	0.66	(0.030)
Centrifugal Force (high) – kN (lbF)	76.3	(16,479)

Frequency – Hz (vpm)	63.3	(3800)
Amplitude – mm (in)		
low	0.23	(0.010)
Centrifugal Force (low) – kN (lbF)	87.2	(19,603)

Optional Equipment

- 360° Rotating Seat
- Accelerometer Ready Kit
- Air Conditioning
- Air Suspension Seat w/Heat
- Bio-Degradeable Oil
- Cat Compaction Control
 - Infrared Temperature Gauge
 - Temperature Mapping
 - Pass-count Mapping
- Drum Covers
- Edge Cutter
- Freeze Protection Kit
- Halogen Lights w/Drum Edge Lights
- Heated Seat
- High Intensity Discharge (HID) Lights w/Drum Edge Lighting
- Mirrors
- Offset Hitch
- Premium Water Spray Nozzles
- Product Link
- Recording Module (cab only)
- Roading Lights
- ROPS/FOPS Cab
- Two Amplitude/Two Frequency Vibratory System
- Versa Vibe Vibratory System
- Warning Beacon
- Water Distribution Mats (cocoa)
- Water Distribution Mats (rubber)

Two Amplitude, Two Frequency

Frequency – Hz (vpm)	46	(2800)
Amplitude – mm (in)		
high	0.65	(0.026)
Centrifugal Force (high) – kN (lbF)	107.6	(24,189)

Frequency – Hz (vpm)	56.6	(3400)
Amplitude – mm (in)		
low	0.25	(0.010)
Centrifugal Force (low) – kN (lbF)	60.5	(13,601)

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

QEHQ1969 (10-15)

© 2015 Caterpillar
All Rights Reserved

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, SAFETY.CAT.COM, their respective logos, "Caterpillar Yellow" and the "Power Edge" trade dress, as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission.

