



Cat[®] CB44B

TANDEM VIBRATORY ROLLER

Top Features

The Cat[®] CB44B is a 7.5 ton roller with 1500 mm (59") tandem vibratory drums. It excels on a variety of asphalt mix designs as well as other granular materials.

- **Exceptional Visibility and Control** with handwheel steering technology, touch-pad machine functions, Eco-mode operation, and automatic speed control. This machine can be equipped with a ROPS Cab, non-ROPS cab, open platform, or sun canopy.
- **Smooth Operating Powertrain** with C4.4 engine that meets emissions equivalent to U.S. EPA Tier 3 and E.U. Stage IIIA standards.
- **Versatile Vibratory Systems** include choice of dual amplitude/dual frequency, dual amplitude/three frequency or 5-amplitude systems. Versatile systems for both thick and thin lifts as well as varying paving speeds.
- **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 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, 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 extends vibratory drum service intervals and minimizes life-time operating costs.

Specifications

Weights

Operating Weight – w/SUN CANOPY

Standard machine	8144 kg	17,955 lb
Maximum machine	8875 kg	19,565 lb
Static linear load	27.3 kg/cm	153 lb/in

Operating Weight – w/ROPS/FOPS/OPEN

Standard machine	8300 kg	18,300 lb
Maximum machine	9035 kg	19,920 lb
Static linear load	27.8 kg/cm	156 lb/in

Operating Weight – w/ROPS CAB

Standard machine	8551 kg	18,850 lb
Maximum machine	9312 kg	20,530 lb
Static linear load	28.7 kg/cm	161 lb/in

Operating Weight – w/NON ROPS CAB

Standard machine	8450 kg	18,630 lb
Maximum machine	9157 kg	20,190 lb
Static linear load	28.2 kg/cm	158 lb/in

Engine – Powertrain

Engine Model	C4.4	
Number of Cylinders	4	
Rated Speed	2200 rpm	
Bore	105 mm	4.13"
Stroke	127 mm	5"
Gross Power:		
Tier 3, Stage IIIA	82.1 kW	110 hp (I), 111.6 hp (m)
Speed Ranges:		
Low	0 - 7 km/hr	4.3 mph
High	0 - 12 km/hr	7.5 mph
Gradeability (no vibs):	35°	
Steering (Inside)	4.4 m	(14' 8")
Articulation Angle	35°	

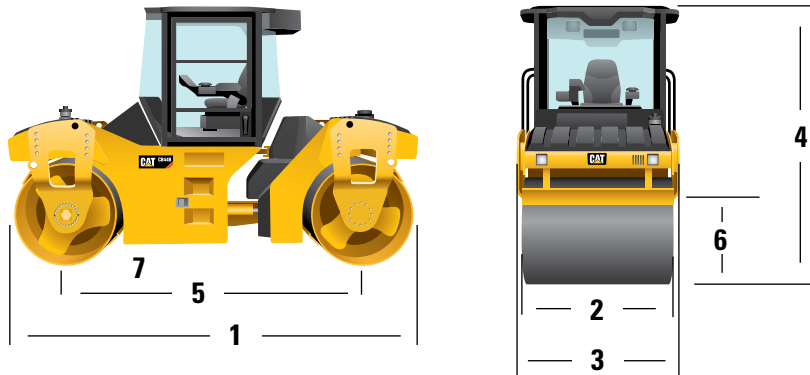
Service Refill Capacities

Fuel Tank	208 L	55 gal
Fuel Usage (50% duty)	12 hours	
Cooling System	18 L	4.7 gal
Engine Oil	9 L	2.4 gal
Hydraulic Tank	36 L	9.5 gal
Water Tank	742 L	196 gal



CB44B Tandem Vibratory Roller

Dimensions



1 Overall Length	4565 mm	14' 5"
2 Drum Width	1500 mm	59"
Drum Offset	170 mm	6"
Drum Shell Thickness	16 mm	0.67"
Drum Diameter	1108 mm	44"
3 Overall width	1670 mm	5' 5"
4 Height at ROPS/FOPS	2980 mm	9' 9"
Height at Cab	2980 mm	9' 9"
5 Wheelbase	3300 mm	10' 10"
6 Curb Clearance	898 mm	35"
7 Ground Clearance	226 mm	9"

Vibratory Systems.

Dual Amplitude, Dual Frequency

Frequency – Hz (vpm)	53.3/66.7	(3200/4000)
Amplitude – mm (in)	0.65 - 0.31	(0.026 - 0.012)

Dual Amplitude, Dual Frequency

Frequency – Hz (vpm)	45/53.3	(2700/3200)
Amplitude – mm (in)	0.65 - 0.31	(0.026 - 0.012)

Dual Amplitude, Three Frequency

Frequency – Hz (vpm)	45/50/57	(2700/3200/3420)
Amplitude – mm (in)	0.65 - 0.31	(0.026 - 0.012)

Five Amplitude

Frequency – Hz (vpm)	53.3	(3200)
Amplitude – mm (in)	high	0.64 (0.025)
	medium high	0.56 (0.022)
	medium	0.45 (0.018)
	medium low	0.35 (0.014)
	low	0.25 (0.010)

CB44B Standard and Optional Equipment

STANDARD EQUIPMENT:

- 12-Volt Electrical System
- 120 Amp Alternator
- 742 L Water Tank Capacity
- 2 Amplitude/2 Frequency Vibratory System
- Locking Engine Compartment
- ROPS/FOPS Platform
- Sealed Pod Vibratory System
- Suspension Seat
- Triple Filtered Water Spray System
- Two-Speed Hydrostatic Transmission
- Working Lights

OPTIONAL EQUIPMENT:

- 2 Amplitude 3 Frequency Vibratory System
- 5 Amplitude Vibratory System
- Air Conditioning
- Air Suspension Seat w/Heat
- Bio-Degradeable Oil
- Cat Compaction Control (Temperature and Pass-Count Mapping)
- Edge Cutter
- Freeze Protection Kit
- Halogen Lights w/Drum Edge Lights
- High Intensity Discharge (HID) w/ Drum Edge Lighting
- High Ambient Cooling System
- Mirrors
- Product Link™
- Recording Module (cab only)
- Roading Lights
- ROPS/FOPS Cab
- Sun Canopy
- Temperature Gauge
- Warning Beacon
- Water Distribution Mats (cocoa)
- Water Distribution Mats (rubber)

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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