

CB44B and CB54B

Tandem Vibratory Rollers



EXCEPTIONAL VISIBILITY AND CONTROL

- Innovative handwheel steering technology eliminates front console and delivers precise control
- Unobstructed sight lines with standard 180° seat positioning and optional 360° seating for excellent all-around visibility
- Finger-tip control for machine functions
- Drum edge and drum surface lighting for easy nighttime operation

SMOOTH OPERATING POWERTRAIN

- Split drum or solid drum capability
- Split-drum design delivers outstanding performance when making turns, eliminates mat tearing and other defects
- Oscillating hitch design delivers best mat finish and improves ride quality on uneven terrain
- Automatic speed control and impact spacing, easily repeat desired working speed

VERSATILE VIBRATORY PERFORMANCE

- Dual Amplitude/Dual Frequency Vibratory System
 - Automatically matches amplitude and frequency with single switch
 - Simple thin/thick lift operation
- 5-Amplitude Vibratory System, heavy hitter for thick lifts and tough mix designs
- Versa Vibe™ Vibratory System, 2 machines in 1 for lighter hitting and higher speeds or heavy hitting and slower speeds (CB54B only)

CAT® COMPACTION CONTROL

- Infrared temperature sensors (front and rear)
 - Keep operator informed of when optimal temperatures exist for compaction
- Temperature Mapping
 - Record temperatures for data analysis
- Pass-Count Mapping
 - Keeps operator informed of where mat coverage has taken place and the number of passes made

BEST LIFETIME VALUE

- ECO-mode reduces fuel consumption and sound levels
- Solid drum design exhibits industry-leading vibratory system reliability with 3 yr/3000 hr service interval
- Oil-bath lubrication for long life eccentric weight bearings
- Split-drum design with exclusive tapered roller bearing pod design eliminates contact between drum halves for long-term reliability
- Long service intervals for the engine, hydraulics and vibratory system minimize life-time operating costs



INDUSTRY LEADING WATER SPRAY SYSTEM

- High capacity system with single fill point provides long duration between re-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
- Adjustable, intermittent operation conserves water
- Freeze protection kit (option) provides protection in cold temperatures when machine is not in use



MACHINE DIMENSIONS	CB44B	CB54B
Overall length	4565 mm (179")	4565 mm (179")
Overall width	1670 mm (66")	1873 mm (74")
Drum width	1500 mm (59")	1700 mm (67")
Compaction width w/offset	1670 mm (66")	1870 mm (74")
Overall height at ROPS/FOPS	2980 mm (117")	2980 mm (117")
Curb clearance	898 mm (35")	934 mm (36")
Ground clearance	226 mm (9")	268 mm (10")

OPERATING WEIGHTS - SPLIT DRUM w/ROPS/FOPS/CAB		
Standard machine - w/ROPS/FOPS/CAB	9330 kg (20,569 lb)	10 670 kg (23,523 lb)
Maximum machine - w/ROPS/FOPS/CAB	10 470 kg (23,082 lb)	12 070 kg (26,610 lb)
Static linear load - w/ROPS/FOPS/CAB	30.3 kg/cm (170 lb/in)	31.5 kg/cm (176 lb/in)

OPERATING WEIGHTS - SOLID DRUM w/ROPS/FOPS/CAB		
Standard machine - w/ROPS/FOPS/CAB	8190 kg (18,056 lb)	9710 kg (21,407 lb)
Maximum machine - w/ROPS/FOPS/CAB	8940 kg (19,709 lb)	10 510 kg (23,171 lb)
Static linear load - w/ROPS/FOPS/CAB	26.7 kg/cm (150 lb/in)	28.6 kg/cm (160 lb/in)

OPERATING WEIGHTS - SPLIT DRUM w/ROPS/FOPS/OPEN PLATFORM		
Standard machine - w/ROPS/FOPS/OPEN	9030 kg (19,908 lb)	10 410 kg (22,950 lb)
Maximum machine - w/ROPS/FOPS/OPEN	10 250 kg (22,598 lb)	11 790 kg (25,993 lb)
Static linear load - w/ROPS/FOPS/OPEN	29.6 kg/cm (166 lb/in)	30.8 kg/cm (173 lb/in)

OPERATING WEIGHTS - SOLID DRUM w/ROPS/FOPS/OPEN PLATFORM		
Standard machine - w/ROPS/FOPS/OPEN	7990 kg (17,615 lb)	9500 kg (20,944 lb)
Maximum machine - w/ROPS/FOPS/OPEN	8720 kg (19,224 lb)	10 235 kg (22,564 lb)
Static linear load - w/ROPS/FOPS/OPEN	26.1 kg/cm (146 lb/in)	27.8 kg/cm (156 lb/in)

ENGINE		
Model	Cat C3.4	Cat C4.4
Gross power	75 kW, 100 hp (l), 102 hp (m)	98 kW, 131 hp (l), 133.2 hp (m)

VIBRATORY SYSTEMS	CB44B	CB54B	CB44B	CB54B
DUAL AMPLITUDE, DUAL FREQUENCY - SPLIT DRUM			VERSA VIBE™- SOLID DRUM	
Frequency – Hz (vpm)	42/53.3 (2520/3200)	42/53.3 (2520/3200)	Frequency – Hz (vpm)	NA 43 (2580)
Amplitude – mm (in)	0.62 - 0.31 (0.024 - 0.012)	0.61 - 0.33 (0.024 - 0.013)	Amplitudes, high – mm (in)	NA 0.86 (0.034)
			low – mm (in)	NA 0.72 (0.028)
DUAL AMPLITUDE, DUAL FREQUENCY - SOLID DRUM			Frequency – Hz (vpm)	NA 63.3 (3800)
Frequency – Hz (vpm)	53.3/63.3 (3200/3800)	43/63.3 (2580/3800)	Amplitudes, high – mm (in)	NA 0.39 (0.015)
Amplitude – mm (in)	0.65 - 0.31 (0.026 - 0.012)	0.82 - 0.32 (0.032 - 0.012)	low – mm (in)	NA 0.26 (0.010)
DUAL AMPLITUDE, DUAL FREQUENCY - SOLID DRUM			FIVE AMPLITUDE - SOLID DRUM	
Frequency – Hz (vpm)	45/53.3/57(2700/3200/3420)	43/53.3 (2580/3200)	Frequency – Hz (vpm)	53.3 (3200) 43 (2580)
Amplitude – mm (in)	0.65 - 0.31 (0.026 - 0.012)	0.82 - 0.32 (0.032 - 0.012)	Amplitudes – mm (in)	
			high	0.64 (0.025) 1.06 (0.042)
			medium high	0.56 (0.022) 0.91 (0.036)
			medium	0.45 (0.018) 0.73 (0.029)
			medium low	0.35 (0.014) 0.54 (0.021)
			low	0.25 (0.010) 0.34 (0.013)

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

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

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