

CD44B and CD54B

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

- Front and rear pivoting drums ensure smooth performance when turning
- Split drum or solid drum capability
- Split-drum design delivers outstanding performance when making turns, eliminates mat tearing and other defects
- 4 steering modes; front, rear, coordinated front/rear, crab mode; coordinated steering produces a tight inside turning radius
- 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
- Wide drum offset of 1.3 m (51")
- Total mat coverage:
 - CD44B – 2820 mm (111")
 - CD54B – 3020 mm (118")

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 lowers 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 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	CD44B	CD54B
Overall length	4284 mm (169")	4322 mm (170")
Overall width	1664 mm (66")	1874 mm (74")
Drum width	1500 mm (59")	1700 mm (67")
Compaction width w/offset	2819 mm (111")	3019 mm (119")
Overall height at CAB, ROPS/FOPS	2938 mm (116")	2987 mm (118")
Curb clearance	663 mm (26")	808 mm (32")
Ground clearance	273 mm (11")	272 mm (11")

OPERATING WEIGHTS - SPLIT DRUM w/ROPS/FOPS/CAB		
Standard machine - w/ROPS/FOPS/CAB	8390 kg (18,497 lb)	10 120 kg (22,311 lb)
Maximum machine - w/ROPS/FOPS/CAB	9450 kg (20,834 lb)	11 440 kg (25,221 lb)
Static linear load - w/ROPS/FOPS/CAB	27.9 kg/cm (156 lb/in)	29.5 kg/cm (165 lb/in)

OPERATING WEIGHTS - SOLID DRUM w/ROPS/FOPS/CAB		
Standard machine - w/ROPS/FOPS/CAB	7400 kg (16,314 lb)	9030 kg (19,908 lb)
Maximum machine - w/ROPS/FOPS/CAB	7980 kg (17,593 lb)	9740 kg (21,473 lb)
Static linear load - w/ROPS/FOPS/CAB	24.5 kg/cm (137 lb/in)	26.5 kg/cm (148 lb/in)

OPERATING WEIGHTS - SPLIT DRUM w/ROPS/FOPS/OPEN PLATFORM		
Standard machine - w/ROPS/FOPS/OPEN	8190 kg (18,056 lb)	9860 kg (21,738 lb)
Maximum machine - w/ROPS/FOPS/OPEN	9220 kg (20,327 lb)	11 170 kg (24,626 lb)
Static linear load - w/ROPS/FOPS/OPEN	27.2 kg/cm (152 lb/in)	30.8 kg/cm (173 lb/in)

OPERATING WEIGHTS - SOLID DRUM w/ROPS/FOPS/OPEN PLATFORM		
Standard machine - w/ROPS/FOPS/OPEN	7200 kg (15,873 lb)	8770 kg (19,335 lb)
Maximum machine - w/ROPS/FOPS/OPEN	7760 kg (17,108 lb)	9470 kg (22,564 lb)
Static linear load - w/ROPS/FOPS/OPEN	23.9 kg/cm (134 lb/in)	27.8 kg/cm (156 lb/in)

ENGINE		
Model	Cat C3.4B	Cat C3.4B
Gross power	75 kW, 100 hp (l), 102 hp (m)	75 kW, 100 hp (l), 102 hp (m)

VIBRATORY SYSTEMS		
DUAL AMPLITUDE, DUAL FREQUENCY - SPLIT DRUM		
Frequency – Hz (vpm)	42/53.3 (2520/3200)	42/53.3 (2520/3200)
Amplitude – mm (in)	0.62 - 0.31 (0.024 - 0.012)	0.61 - 0.33 (0.023 - 0.013)
DUAL AMPLITUDE, DUAL FREQUENCY - SOLID DRUM		
Frequency – Hz (vpm)	53.3/63.3 (3200/3800)	45/53.3 (2700/3200)
Amplitude – mm (in)	0.65 - 0.31 (0.026 - 0.012)	0.82 - 0.32 (0.026 - 0.013)
DUAL AMPLITUDE, DUAL FREQUENCY - SOLID DRUM		
Frequency – Hz (vpm)	45/53.3/57 (2700/3200/3420)	NA
Amplitude – mm (in)	0.65 - 0.31 (0.026 - 0.012)	NA

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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