

# B-Series CS

## Smooth Drum Vibratory Soil Compactors



### Comfort to Operate with Confidence

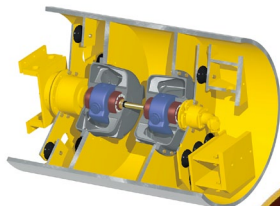
- NEW** • Comfortable redesigned cab with best-in-class climate control, multi-position windows
- NEW** • Control console and display are integrated with pivoting seat\* (optional deluxe cloth seat available)
- NEW** • Display provides instrumentation data and diagnostics at a glance\*
  - Exceptional visibility to tires and drum edge
- NEW** – Larger mirrors for enhanced rear visibility
- NEW** – Narrower rear frame
- NEW** • Optional light package upgrade provides four additional lights for excellent low light visibility

### Do More

- NEW** • Exclusive Cat® dual pump propel system with electronic control† provides:
  - Exceptional traction and gradeability
  - Plenty of power for leveling blade
- Optional equipment:
  - Leveling blade
  - Oval pad or square pad shell kit

### Work Smarter with Optional Compaction Measurement Technology

- NEW** • Cat Compaction Control
  - Factory installed, dealer supported; integrated with machine for better protection from theft, vandalism
  - Two sensor options available:
    - NEW** – Machine Drive Power (MDP): exclusive Cat technology, rolling resistance-based
    - Compaction Meter Value (CMV), accelerometer-based
  - Mapping/Positioning option
    - SBAS GNSS; upgradeable to RTK
    - Includes separate display, GNSS antenna



Cat® Pod-style Vibratory System



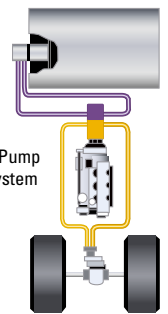
Cat Compaction Control with GNSS Mapping (SBAS)

### Achieve Quality Compaction Faster

- Enhanced compaction force
  - NEW** – More weight at the drum
  - NEW** – Best-in-class amplitude
- NEW** • Enhanced propel system with electronic control for better performance†
- NEW** • Standard technology automates functions that enable high quality and uniformity:
  - Automatic Speed Control†
  - Auto-vibe

### Best Value Available

- Designed for easy maintenance, long service intervals
- High reliability due to robust design
- Powerful and efficient engine
  - Meets emissions standards where applicable
- NEW** – Reduces fuel burn when Eco-mode is used
- Self-monitors and alerts operator to abnormal engine performance
- Highest resale value in the industry



Cat Dual Pump Propel System

\* In some markets, this feature available as an option on the CS54B.  
† In some markets, this feature not available on the CS54B.



## B-Series: CS Vibratory Soil Compactor Specifications

Model*	Operating Weight**	Weight at Drum	Drum Width	Engine†	Rated Power†
CS54B	10 555 kg (23,265 lb)	5880 kg (12,959 lb)	2130 mm (84")	C4.4 with ACERT	98 kW (131 hp)
CS56B	11 500 kg (25,346 lb)	6350 kg (13,990 lb)	2130 mm (84")	C4.4 with ACERT	117 kW (157 hp)
CS64B	12 055 kg (26,569 lb)	7120 kg (15,690 lb)	2130 mm (84")	C4.4 with ACERT	98 kW (131 hp)
CS66B	12 360 kg (27,245 lb)	7355 kg (16,214 lb)	2130 mm (84")	C4.4 with ACERT	117 kW (157 hp)
CS68B	14 325 kg (31,572 lb)	9150 kg (20,164 lb)	2130 mm (84")	C4.4 with ACERT	117 kW (157 hp)
CS74B	16 000 kg (35,264 lb)	10 620 kg (23,410 lb)	2130 mm (84")	C4.4 with ACERT	129.5 kW (173.7 hp)
CS76B	17 445 kg (38,450 lb)	12 190 kg (26,868 lb)	2130 mm (84")	C4.4 with ACERT	129.5 kW (173.7 hp)
CS78B	18 700 kg (41,214 lb)	13 440 kg (29,626 lb)	2130 mm (84")	C4.4 with ACERT	129.5 kW (173.7 hp)

### Vibratory System

Frequency	Standard High Amp	Eco-mode High Amp	Optional Variable Frequency
CS54B, 56B, 64B, 66B, 68B	30.5 Hz (1830 vpm)	27.7 Hz (1664 vpm)	23.3 – 30.5 Hz (1400 – 1830 vpm)
CS74B, 76B, 78B	28 Hz (1680 vpm)	25.45 Hz (1527 vpm)	23.3 – 28 Hz (1400 – 1800 vpm)

Nominal Amplitude	High	Low
CS54B, 64B	1.9 mm (0.075")	0.95 mm (0.037")
CS56B, 66B, 68B, 74B, 76B, 78B	2.1 mm (0.083")	0.98 mm (0.039")

\* Not all models are available in all markets.

\*\* Operating Weights are approximate and include ROPS/FOPS cab, AC, coolant, lubricants, full fuel tank and 80 kg (175 lb) operator.

† In some markets certain models are equipped with C6.6 engine with ACERT. Rated Power can vary slightly by market.

## Cat® Compaction Control Comparison - MDP and CMV

Feature	Machine Drive Power (MDP)	Compaction Meter Value (CMV)	Comment
Measurement Depth	30 - 60 cm (12 - 24 in)	1 - 1.2 m (3.3 - 4 ft)	Systems measure different depths, volumes
Correlates w/portable measurement devices	✓		Gives you confidence to move on
Usable on smooth drum or padfoot shell	✓		MDP is only technology for padfoot
Usable on granular or cohesive material	✓		CMV does not work on cohesive
Measures with or without vibration	✓		CMV disturbs soil as it is measuring
Exclusive Cat technology	✓		MDP only available from Caterpillar

## The Cat® Advantage - Single Source Provider

	Cat Dealer	Competitive Dealer	Comment
Convenient worldwide dealer locations	✓		More than our 5 largest competitors combined
Engine service	✓		Cat machines feature Cat engines
Machine service	✓	✓	
Service technician trained for paving equipment	✓		Cat technicians trained on Cat machines
24/7/365 parts availability on most service parts	✓		Long lead times for competitive OEM parts
New OEM parts	✓		Competition offers inferior aftermarket parts
Reconditioned OEM parts	✓		Rebuilt to OEM spec by Cat Reman
Available financing options	✓		Available through Cat Financial
Application expertise	✓		Personnel understand the paving business
Machine rental	✓		Keeps your capital expense low
Products with high resale value	✓		Durable Cat machines built to last

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at [www.cat.com/paving](http://www.cat.com/paving)

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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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