



# Cat<sup>®</sup> CP44B

## Padfoot Drum Vibratory Soil Compactor

The Cat<sup>®</sup> CP44B features a padfoot drum and is ideally suited for cohesive and semi-cohesive soil applications.

### Comfortable and Ergonomic Operator Station

- Features adjustable seat with integrated multifunction LCD display and control console.
- Outstanding visibility to the front and rear of machine.
- Low sound levels and vibration for greater operator comfort and productivity.

### Rear Vision Camera

- The rear vision camera enhances visibility for more complete operator control and safety.

### Exceptional Propel System

- Built around the exclusive Cat dual pump propel system, two pumps provide separate dedicated flow to drum drive motor and rear axle motor for exceptional gradeability and traction in forward and reverse.

### Virtually Maintenance Free

- Maintenance-free hitch bearings.
- Extended maintenance intervals for vibratory system and hydraulic system, providing more uptime and lower maintenance costs.

### Powerful Cat C4.4 Engine

- Meets regional emissions standards.

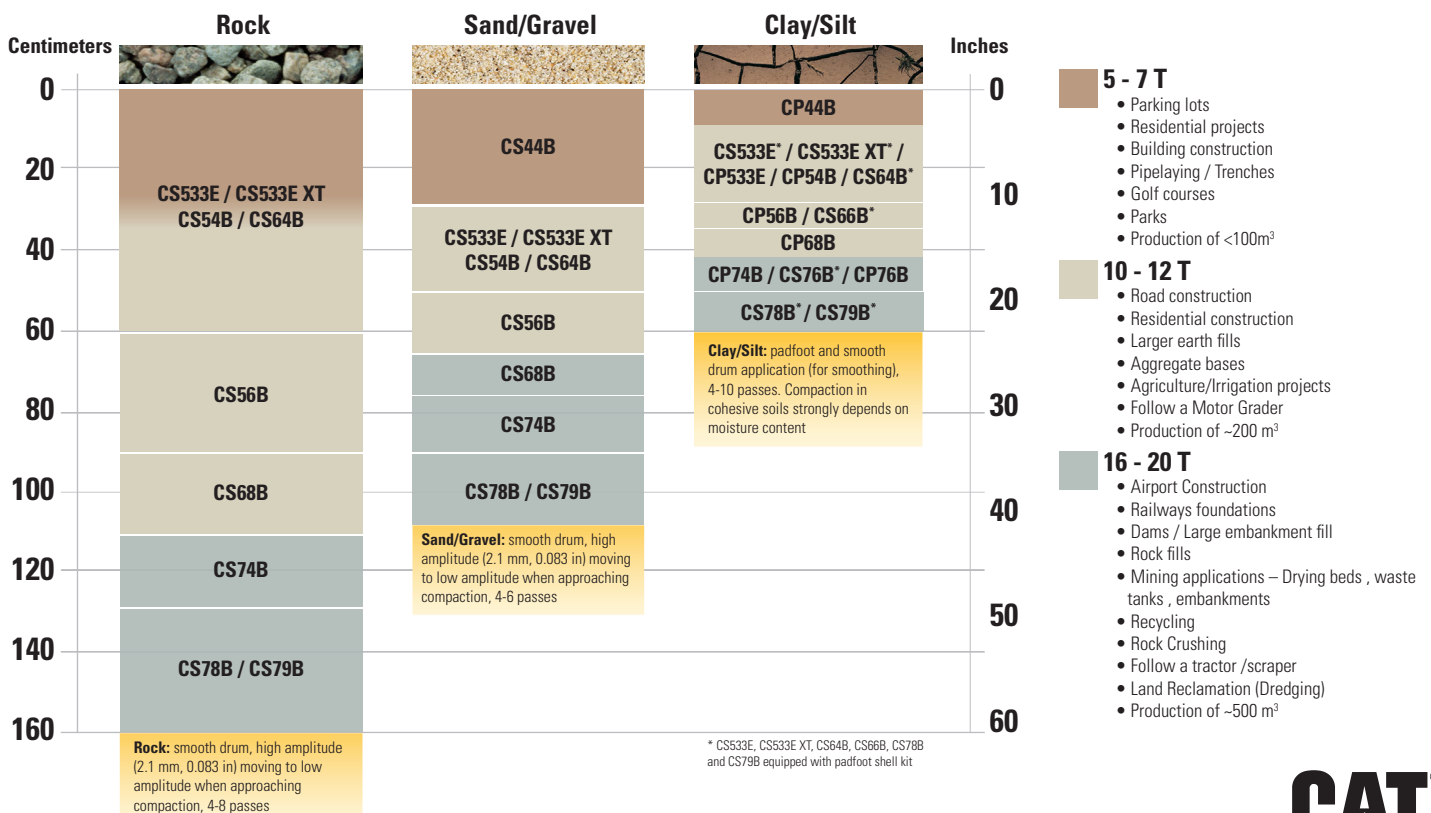
### Involuted Oval Padfoot Design

- Provides deeper compaction than square faced pad designs. Square pad design also available.

### Compact, highly maneuverable and trasportable

## VIBRATORY SOIL COMPACTOR SELECTION GUIDE

Assumes density specification is 95% of Standard Proctor and can vary substantially due to different soil conditions.



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## Technical Specifications

### Engine - Power Train

Engine Model	Cat C4.4	
Global Emissions	US EPA Tier 3 EU Stage IIIA Equivalent Brazil MAR-1	
Gross Power ISO 14396	74.5 kW	99.9 hp
Gross Power SAE J1995	75.3 kW	101.0 hp
Net Power ISO 9249*	70.5 kW	94.5 hp
Net Power SAE J1349*	69.7 kW	93.5 hp
Displacement	4.4 L	269 in <sup>3</sup>
Stroke	127 mm	5.0 in
Bore	105 mm	4.1 in
Max. Travel Speed (Forward or Reverse)	11.4 km/h	7.0 mph
Theoretical Gradeability**	57%	

\* Net power advertised is the power available at the engine flywheel when equipped with a fan, air cleaner, and alternator.

\*\* Actual gradeability may vary based on site conditions and machine configuration. Refer to the Operation and Maintenance Manual for more information.

### Weights

Operating Weight w/ ROPS/FOPS canopy	7228 kg	15,935 lb
w/ Leveling Blade	7694 kg	16,962 lb
Operating Weight w/ ROPS/FOPS cab	7471 kg	16,471 lb
w/ Leveling Blade	7976 kg	17,584 lb
Weight at Drum w/ ROPS/FOPS canopy	3601 kg	7,939 lb
w/ Leveling Blade	4333 kg	9,553 lb
Weight at Drum w/ ROPS/FOPS cab	3711 kg	8,181 lb
w/ Leveling Blade	4400 kg	9,700 lb

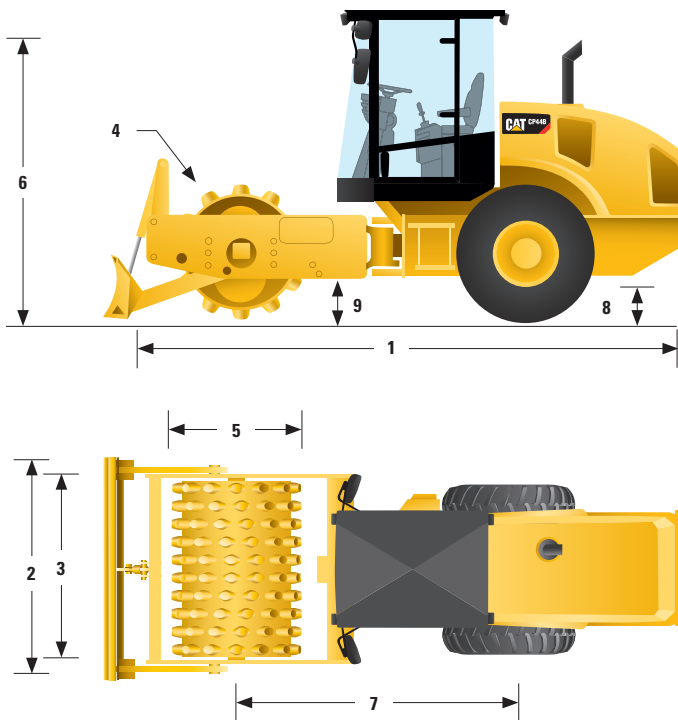
### Vibratory System Specifications

Frequency		
Standard	31.9 Hz	1914 vpm
During Eco-mode Operation	29 Hz	1744 vpm
Optional Variable Frequency	23.3 - 31.9 Hz	1400-1914 vpm
Nominal Amplitude @ 31.9 Hz (1914 vpm)		
High	1.59 mm	0.063 in
Low	0.80 mm	0.031 in
Centrifugal Force @ 31.9 Hz (1914 vpm)		
Maximum	133 kN	29,900 lb
Minimum	67 kN	15,000 lb
Static Linear Load		
w/ ROPS/FOPS canopy	20.2 kg/cm	113 lbs/in
w/ ROPS/FOPS cab	21.0 kg/cm	118 lbs/in

### Service Refill Capacities

Fuel Tank, total capacity	150 L	40 gal
Cooling System	15.8 L	4.2 gal
Engine Oil w/ Filter	9.5 L	2.5 gal
Eccentric Weight Housings (Combined)	12 L	3.2 gal
Axle and Final Drives	14.6 L	3.9 gal
Hydraulic Tank (service refill)	26 L	6.9 gal

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Dimensions			
1	Overall Length	5.09 m	16.7 ft
	Overall Length w/ optional Leveling Blade	5.61 m	18.41 ft
2	Overall Width	1.8 m	5.91 ft
	Overall Width w/ optional Leveling Blade	2.12 m	6.95 ft
3	Drum Width	1676 mm	66 in
4	Drum Shell Thickness	25 mm	1 in
5	Drum Diameter	1047 mm	41.2 in
	Over Oval Pads	1225 mm	48.2 in
	Over Square Pads	1207 mm	47.5 in
6	Overall Height		
	w/ ROPS/FOPS cab	2.85 m	9.35 ft
	w/ ROPS/FOPS canopy	2.81 m	9.22 ft
7	Wheelbase	2.6 m	8.5 ft
8	Ground Clearance	411 mm	16.2 in
9	Curb Clearance	369 mm	14.5 in
	Inside Turning Radius	3.05 m	10.0 ft
	Hitch Articulation Angle	37°	
	Hitch Oscillation Angle	15°	

Padfoot Specifications		
	Oval	Square
Number of Pads	108	108
Pad Height, oval pads	89 mm (3.5 in)	79.4 mm (3.1 in)
Pad Face Area, oval pads	63.8 cm <sup>2</sup> (9.9 in)	95.5 in <sup>2</sup> (14.8 in)
Number of Chevrons	12	12

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## Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional		Standard	Optional
<b>OPERATOR ENVIRONMENT</b>			<b>POWER TRAIN</b>		
ROPS/FOPS Canopy with Handrails, Floor Mat, Exterior Rear View Mirrors	✓		Cat C4.4B Engine	✓	
Vinyl Adjustable Seat with Integrated Console and LCD Display with Lockable Vandalism Guard	✓		Air Cleaner, Dual Element	✓	
Adjustable Tilting Steering Column with Integrated Cup Holders	✓		Two-Speed Throttle Switch, and Eco-mode	✓	
Rear Vision Camera System with Color Touchscreen Display	✓		Dual Propel Pumps; One for Drum Drive, One for Rear Axle	✓	
Seat Belt	✓		Fuel Filter, Water Separator, Priming Pump, Water Indicator	✓	
12-volt Power Outlet	✓		Tilting Radiator/Hydraulic Oil Cooler	✓	
Horn, Backup Alarm	✓		Dual Braking System	✓	
ROPS/FOPS Cab with Climate Control, Cloth Seat, Exterior Rear View Mirrors, Sun Visor, Roll-down Sun Screen		✓	Two-speed Hydrostatic Transmission	✓	
<b>VIBRATORY SYSTEM</b>			<b>ELECTRICAL</b>		
Padfoot Drum	✓		12 volt Electrical System	✓	
Dual Amplitude, Single Frequency	✓		150 ampere Alternator	✓	
Pod-Style Eccentric Weight Housings	✓		1000 Cold-cranking Amps Battery Capacity	✓	
Auto-vibe Function	✓		<b>OTHER</b>		
Dual Adjustable Steel Scrapers	✓		Product Link™	✓	
Leveling Blade		✓	Sight Gauges for Hydraulic Oil Level and Radiator Coolant Level	✓	
Variable Frequency		✓	S-O-S <sup>SM</sup> Sampling Valves: Engine Oil, Hydraulic Oil and Coolant	✓	
			Upgraded Halogen Light Package		✓
			Amber Rotating Beacon		✓
			Factory Filled Bio Hydraulic Oil		✓



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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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