



# Cat® CP44B

## PADFOOT DRUM VIBRATORY SOIL COMPACTOR

### FEATURES:

The Cat® CP44B features a padfoot drum and is ideally suited for cohesive and semi-cohesive soil applications:

- **Comfortable and ergonomic operator station** features pivoting seat with integrated multifunction LCD display and control console, outstanding visibility to the front and rear of machine, low sound and vibration levels for greater operator comfort and productivity.
- **World-class 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** due to maintenance-free hitch bearings and extended maintenance intervals for vibratory system and hydraulic system, providing more uptime and lower maintenance costs.
- **Powerful Cat C3.4B engine** meets US EPA Tier 4 Final and EU Stage IV emission standards.
- **Involuted Oval Padfoot Design** provides deeper compaction than square faced pad designs. Square pad design also available.
- **Compact, highly maneuverable and transportable.**

## Specifications

### Engine - Power Train

Engine Model	Cat C3.4B	
Global Emissions	US EPA Tier 4 Final EU Stage IV	
Gross Power ISO 14396	75 kW	100.6 hp
Displacement	3.4 L	207 in <sup>3</sup>
Stroke	110 mm	4.3 in
Bore	99 mm	3.9 in
Max. Travel Speed (Forward or Reverse)	11.4 km/h	7.0 mph

### Weights

Operating Weight w/ ROPS/FOPS Canopy	7228 kg	15,935 lb
Weight at Drum	3601 kg	7,939 lb
Operating Weight w/ ROPS/FOPS Cab	7471 kg	16,471 lb
Weight at Drum	3711 kg	8,181 lb
With Leveling Blade	+432 kg	+ 952 lb

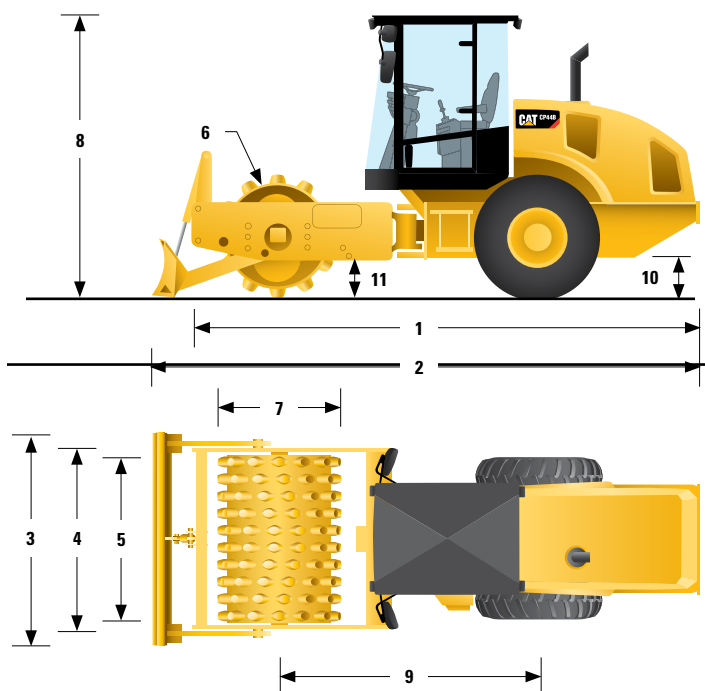
### Vibratory System Specifications

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

### Service Refill Capacities

Fuel Tank, total capacity	150 L	40 gal
Diesel Exhaust Fluid refill	18.9 L	5 gal
Cooling System	15.8 L	4.2 gal
Engine Oil w/ Filter	9 L	2.4 gal
Eccentric Weight Housings	26 L	6.9 gal
Axle and Final Drives	14.6 L	3.9 gal
Hydraulic Tank (service refill)	26 L	6.9 gal

# CP44B Vibratory Soil Compactor



## Dimensions

1 Overall Length	5.09 m	16.7 ft
2 w/ Optional Leveling Blade	5.61 m	18.41 ft
3 Overall Width	1.8 m	5.91 ft
4 w/ Optional Leveling Blade	2.12 m	6.95 ft
5 Drum Width	1676 mm	66 in
6 Drum Shell Thickness	25 mm	1 in
7 Drum Diameter	1047 mm	41.2 in
- Over Oval Pads	1225 mm	48.2 in
- Over Square Pads	1207 mm	47.5 in
8 Overall Height		
-Cab	2.85 m	9.35 ft
-ROPS/FOPS	2.81 m	9.2 ft
9 Wheelbase	2.6 m	8.5 ft
10 Ground Clearance	408 mm	16.1 in
11 Curb Clearance	371 mm	14.6 in
Inside Turning Radius	3.05 m	10.00 ft
Hitch Articulation Angle	37°	
Hitch Oscillation Angle	15°	

## Padfoot Specifications

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

## STANDARD EQUIPMENT Varies by market- contact your Dealer for specifics.

### ELECTRICAL

- 12-volt Electrical System
- 120-ampere Alternator
- 1000 Cold-cranking Amps Battery Capacity

### OPERATOR ENVIRONMENT

- ROPS/FOPS or ROPS/FOPS Cab - *Depends on market*
- Adjustable Seat with Integrated Console and LCD Display
- Multifunction LCD Display with gauges and/or audible warning alarm for: *Hydraulic oil temperature, Engine oil pressure, Engine coolant temperature, Alternator charge, Fuel level, Service hour meter, Engine RPM, Ground speed, Vibe frequency, Fuel rate, Air filter constriction, Engine load and Optional Cat Compaction Control*
- Adjustable Tilting Steering Column with Integrated Cup Holders
- Seat Belt
- Lockable Vandalism Guard for LCD Display *ROPS/FOPS models only*
- 12-volt Power Outlet
- Floor Mat
- Interior Rear View Mirror *ROPS/FOPS models only*
- Horn, Backup Alarm

### POWER TRAIN

- Cat C3.4B Engine
- Two-speed Throttle Switch, Eco-mode
- Dual Propel Pumps; One for Drum Drive, One for Rear Axle
- Fuel Filter, Water Separator, Water Indicator
- Tilting Hydraulic Oil/Fuel Cooler
- Dual Braking System
- Two-speed Hydrostatic Transmission

### VIBRATORY SYSTEM

- Padfoot Drum with Front Adjustable Steel Scrapers
- Dual Amplitude, Single Frequency
- Pod-Style Eccentric Weight Housing
- Auto-vibe Function

### OTHER

- Hydraulic Oil Level Sight Gauge
- Cat ToughGuard™ Hose
- S-O-S™ Sampling Valves, Engine Oil and Hydraulic Oil

## OPTIONAL EQUIPMENT

- ROPS/FOPS Cab with Climate Control
- Variable Vibration Frequency
- Beacon, Rotating
- Recording Module for Vibration Frequency
- Steel Rear-side Drum Scraper
- Bio-oil Factory Fill
- Sun Visor
- Cab Internal Roll-down Sun Screen
- Product Link™

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.9 kg of refrigerant which has a CO<sub>2</sub> equivalent 1.287 metric tonne.

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

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Weights and dimensions listed are approximate. 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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