



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 C4.4 ACERT[™] engine** meets regional 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 - Powertrain

Engine Model	Cat C4.4 ACERT	
Global Emissions	US EPA Tier 3 / EU Stage IIIA equivalent	
Gross Power ISO 14396	74.5 kW	99.9 hp
Displacement	4.4 L	269 in ³
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, no vibration*	57%	

Weights

Operating Weight w/ Sun Canopy	7158 kg	15,781 lb
Weight at Drum	3566 kg	7,862 lb
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

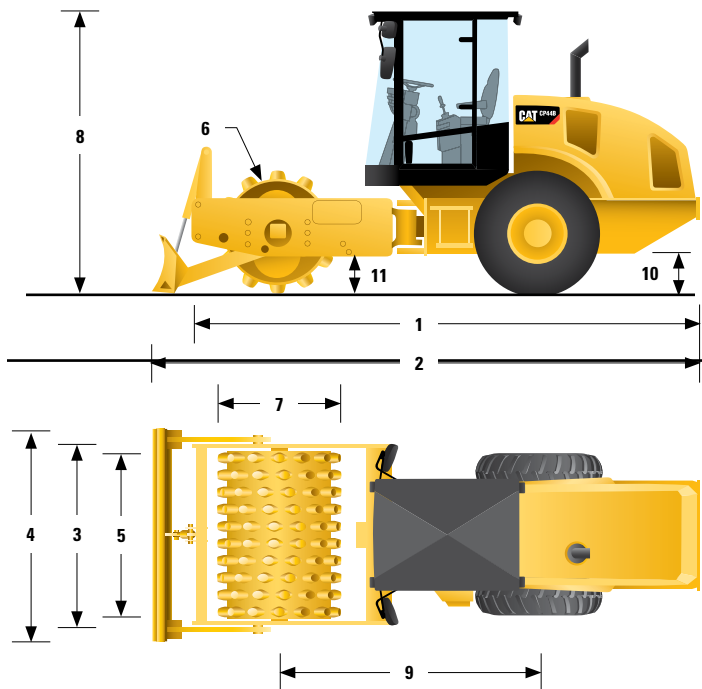
Frequency		
Standard	31.9 Hz	1914 vpm
During Eco-mode Operation	29 Hz	1744 vpm
Optional Variable Frequency	23.3-31.9 Hz	1400-1914 vpm
Nominal Amplitude @31.9 Hz (1914 vpm)		
High	1.59 mm	0.063 in
Low	0.80 mm	0.031 in
Centrifugal Force @31.9 Hz (1914 vpm)		
Maximum	133 kN	29,900 lb
Minimum	67 kN	15,000 lb

Service Refill Capacities

Fuel Tank, total capacity	150 L	40 gal
Cooling System	15.8 L	4.2 gal
Engine Oil w/ Filter	9.5 L	2.5 gal
Eccentric Weight Housing	13 L	3.4 gal
Axle and Final Drives	14.6 L	3.9 gal
Hydraulic Tank (service refill)	26 L	6.9 gal

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

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 Canopy	2.82 m	9.2 ft
- Sun Canopy	2.82 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 ² (in ²)	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
- 150-ampere Alternator
- 1400 Cold-cranking Amps Battery Capacity

OPERATOR ENVIRONMENT

- Sun Canopy
- 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*
- Platform Handrails/Guardrails
- Adjustable Tilting Steering Column with Integrated Cup Holders
- Seat Belt
- Lockable Vandalism Guard for LCD Display
- 12-volt Power Outlet
- Floor Mat
- Interior Rear View Mirror
- Horn, Backup Alarm

POWERTRAIN

- Cat C4.4 ACERT Engine
- Air Cleaner, Dual Element
- 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
- Dual Amplitude, Single Frequency
- Pod-Style Eccentric Weight Housing
- Auto-vibe Function
- Front Adjustable Steel Scrapers

OTHER

- Hydraulic Oil Level Sight Gauge
- Cat XT™ Hoses
- S-O-SSM Sampling Valves, Engine Oil, Engine Coolant and Hydraulic Oil

OPTIONAL EQUIPMENT

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

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

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