

Cat[®] B-Series

Vibratory Soil Compactors

Simple, Reliable, Productive



Worktool - Drum

- Cat[®] pod-style vibratory system with exclusive eccentric weight design is more durable and requires less maintenance for dependable, worry free operation
- Engineered to provide the highest available amplitudes in weight class, delivering more compactive force
- Padfoot drum (CP) or Smooth Drum (CS) models available
 - Choice of oval or square pad design
 - Padfoot Shell Kit option available for CS models
 - Leveling Blade option available on some models

Powertrain and Propulsion System

- Dual-pump propel system and standard limited-slip differential delivers balanced flow to rear axle drive motor and drum drive motor providing unparalleled gradeability and traction, even when utilizing shell kit or leveling blade options
- ACERT[™] engine with standard Eco-mode active is fuel efficient without compromising compactive effort

Operator Station: world class comfort and safety

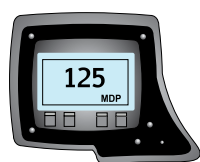
- Unobstructed view to drum edges and rear wheels
 - Large glass windows on cab
 - ROPS post design optimizes sight lines to machine rear
- Pivoting ergonomic seat with integrated LCD display and control console helps minimize operator fatigue
- Auto-vibe and Auto-Speed Control

Cat Compaction Control

- Cat exclusive Machine Drive Power (MDP) compaction measurement technology has the widest application range, providing an indication of compaction progress that is easy to understand and use
- MDP tells the operator when to stop compaction, identifies soft spots and helps to proof-roll
- Mapping technology enhances MDP by visually displaying compaction data
 - Makes it easier to perform uniform compaction
 - Ensures proper coverage

Maintenance and Service

- Vibratory system, engine and hydraulic system feature best-in-class maintenance intervals, ensuring maximum uptime—3 year/3000 hours vibratory system; 3000 hours hydraulic system; 500 hour engine
- Ground level and grouped service points provide easy access
- LCD display provides instrumentation data and diagnostics at a glance



LCD Screen Display



Mapping System Display



Cat® B-Series Vibratory Soil Compactors

Vibratory System		
Frequency, standard high amplitude		
54B, 56B, 64B, 68B	30.5 Hz	1830 vpm
74B, 78B	28 Hz	1680 vpm
Frequency, Eco-mode high amplitude		
54B, 56B, 64B, 68B	27.7 Hz	1664 vpm
74B, 78B	25.5 Hz	1527 vpm
Optional Variable Frequency		
54B, 56B, 64B, 68B	23.3-30.5 Hz	1400-1830 vpm
74B, 78B	23.3-28 Hz	1400-1800 vpm
Nominal Amplitude		
	High	Low
54B, 64B	1.9 mm (0.075")	0.95 mm (0.037")
56B, 68B, 74B, 78B	2.1 mm (0.083")	0.98 mm (0.039")

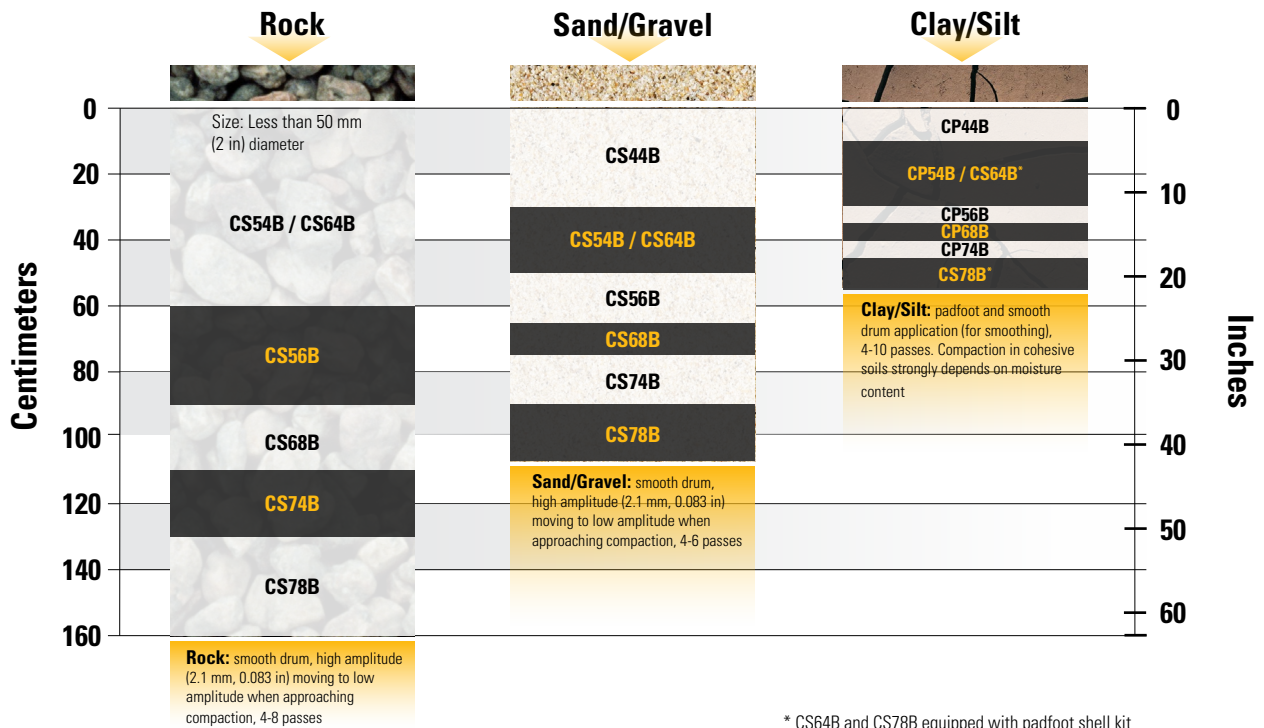
Engine Power		
CP/CS54B, CS64B	98 kW	131 hp
CP/CS56B, CP/CS68B	117 kW	157 hp
CP/CS74B, CS78B	129.5 kW	173.7 hp

Operating Weight with Cab		
CP54B	11 135 kg	23,265 lb
CS54B	10 555 kg	24,539 lb
CP56B	11 665 kg	25,707 lb
CS56B	11 500 kg	23,346 lb
CS64B	12 305 kg	27,128 lb
CP68B	14 685 kg	32,370 lb
CS68B	14 325 kg	31,572 lb
CP74B	16 355 kg	36,048 lb
CS74B	16 000 kg	35,264 lb
CS78B	18 700 kg	41,214 lb

Optional Cat Compaction Control		
Depth of Measurement – CMV	100 - 120 cm	40 - 48 in
Depth of Measurement – MDP	30 - 60 cm	12 - 24 in

Vibratory Soil Compactor Selection Guide

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



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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