

# CAT® VIBRATORY SOIL COMPACTOR SELECTION GUIDE

A LINE OF COMPACTORS TO MAXIMIZE  
PRODUCTIVITY ON YOUR JOBSITE



## DIFFERENT NAMES. SAME GREAT PERFORMANCE.

The updated names are part of an effort to make all Cat® vibratory soil compactor model names simpler. The product range has been renamed to identify the weight of the machines in metric tonnes (tons), and no more series letter modifiers like “B.” While the name may be a little different, Cat vibratory soil compactors continue to provide the same great performance, productivity and durability that you depend on day after day.

		CURRENT	PREVIOUS
SMALL	5-7 T	CS5	CS34
		CP5	CP34
		CS7	CS44B
		CP7	CP44B
MEDIUM	10-15 T	CS10 GC*	CS10 GC*
		CS11	CS54B
		CP11	CP54B
		CS11 GC*	CS11 GC*
		CP11 GC*	CP11 GC*
		CS12	CS56B
		CP12	CP56B
		CS13	CS66B
		CS13 GC	CS12 GC
		CP13 GC	CP12 GC
		CS14	CS68B
		CP14	CP68B
LARGE	16-20 T	CS16	CS74B
		CP16	CP74B
		CS17	CS76B
		CP17	CP76B
		CS19	CS78B
		CS20	CS79B

\* No change to the name.

Not all models listed are available in each region. Contact your Cat dealer representative for more information.



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# PERFORMANCE MATTERS

Soil type, material lift thickness and productivity needs are factors that help determine which Cat® vibratory soil compactor is right for you. As machine weight increases, productivity improves due to more compactive effort.

When selecting a machine, consider optional add-ons that can increase efficiency and versatility on your jobsite. Smooth drum models can be fitted with padfoot shell kits so the machine can be used on multiple soil types. Leveling blades allow operators to back-drag or do minor leveling work. Technology helps you know when you've achieved target density so you can move on to the next phase of the project.



## SMOOTH DRUMS (CS MODELS)

- + Best for granular soil types
- + Add a padfoot shell kit over the smooth drum for semi-cohesive or cohesive soils



## PADFOOT DRUMS (CP MODELS)

- + Best for cohesive soils with high clay content

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## SHELL KITS

Optional padfoot shell kits provide versatility by allowing a smooth drum machine to compact semi-cohesive and cohesive materials. The kit comes with interchangeable smooth drum and padfoot scrapers. Oval and square pad designs are available.

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## LEVELING BLADE

A optional leveling blade is available for select models. The blade features a bolt-on design, for easy installation and removal and is controlled with thumb switches located on the propel lever.

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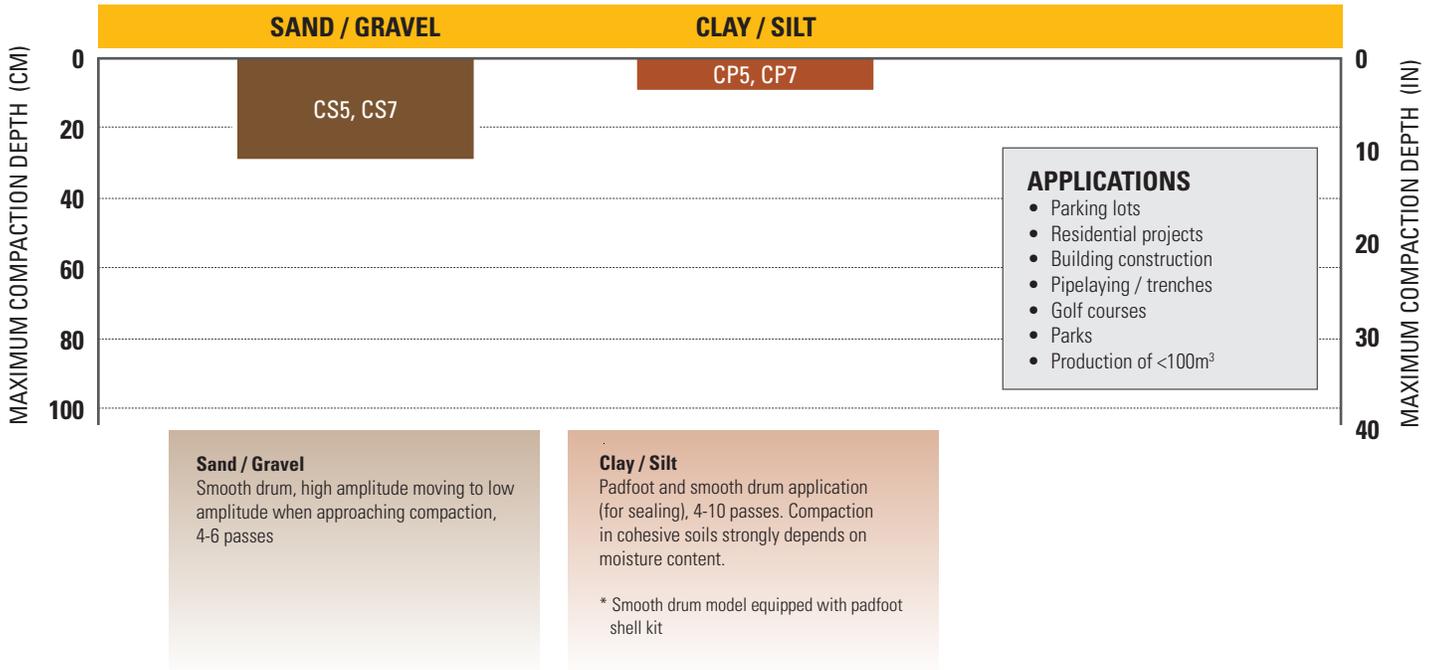
## COMPACTION TECHNOLOGY

Optional Cat Compact technologies help improve quality and efficiency by providing information that enables the operator to determine when compaction meets specifications, reducing unnecessary passes and rework. Compaction Meter Value (CMV) can be used in vibratory mode on granular soils while Machine Drive Power (MDP) can be used on all soil types in either static or vibratory mode.

# SMALL

## 5-7 T VIBRATORY SOIL COMPACTORS

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



MODEL	SPECIFICATIONS			ATTACHMENTS		TECHNOLOGY	
	WEIGHT CLASS	STATIC LINEAR LOAD*	DRUM WIDTH	PADFOOT SHELL KIT	LEVELING BLADE	MACHINE DRIVE POWER (MDP)	COMPACTION METER VALUE (CMV)
CP5	5 T	—	1270 mm (50 in)		●		
CP7	7 T	—	1676 mm (66 in)		●		
CS5	5 T	16 kg/cm (90 lbs/in)	1270 mm (50 in)				
CS7	7 T	21 kg/cm (118 lbs/in)	1676 mm (66 in)	●	●		●

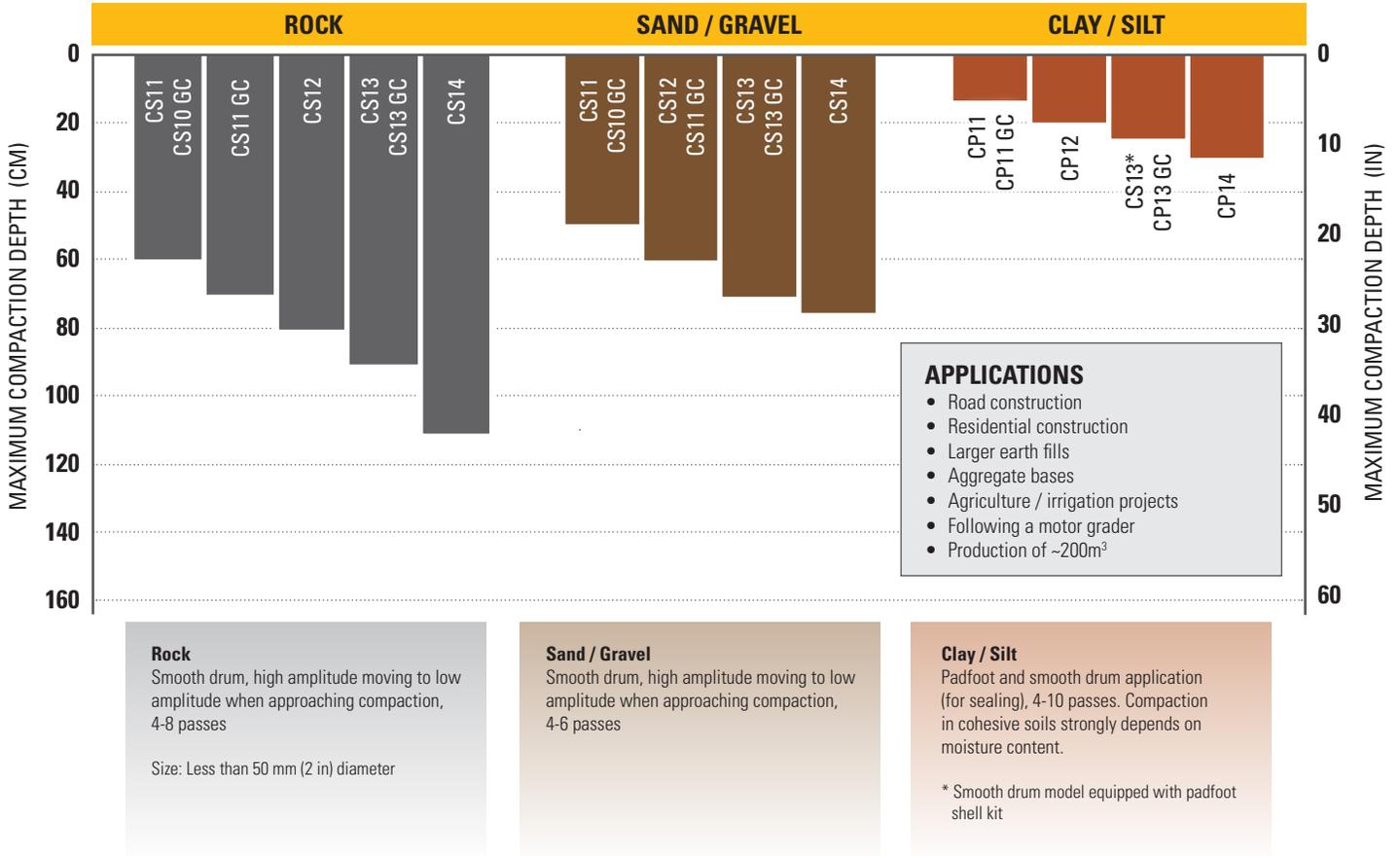
\*Static linear load is approximate and varies by machine configuration.

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# MEDIUM

## 10-15 T VIBRATORY SOIL COMPACTORS

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



MODEL	SPECIFICATIONS			ATTACHMENTS		TECHNOLOGY	
	WEIGHT CLASS	STATIC LINEAR LOAD*	DRUM WIDTH	PADFOOT SHELL KIT	LEVELING BLADE	MACHINE DRIVE POWER (MDP)	COMPACTION METER VALUE (CMV)
CP11	11 T	—	2134 mm (84 in)			●	
CP11 GC	11 T	—	2134 mm (84 in)			●	
CP12	12 T	—	2134 mm (84 in)		●	●	
CP13 GC	12 T	—	2134 mm (84 in)			●	
CP14	14 T	—	2134 mm (84 in)		●	●	
CS10 GC	10 T	28 kg/cm (157 lbs/in)	2134 mm (84 in)	●		●	●
CS11	11 T	28 kg/cm (157 lbs/in)	2134 mm (84 in)	●		●	●
CS11 GC	11 T	29 kg/cm (162 lbs/in)	2134 mm (84 in)	●		●	●
CS12	12 T	30 kg/cm (168 lbs/in)	2134 mm (84 in)	●	●	●	●
CS13	13 T	34 kg/cm (190 lbs/in)	2134 mm (84 in)	●	●	●	●
CS13 GC	13 T	36 kg/cm (202 lbs/in)	2134 mm (84 in)	●		●	●
CS14	14 T	42 kg/cm (235 lbs/in)	2134 mm (84 in)	●	●	●	●

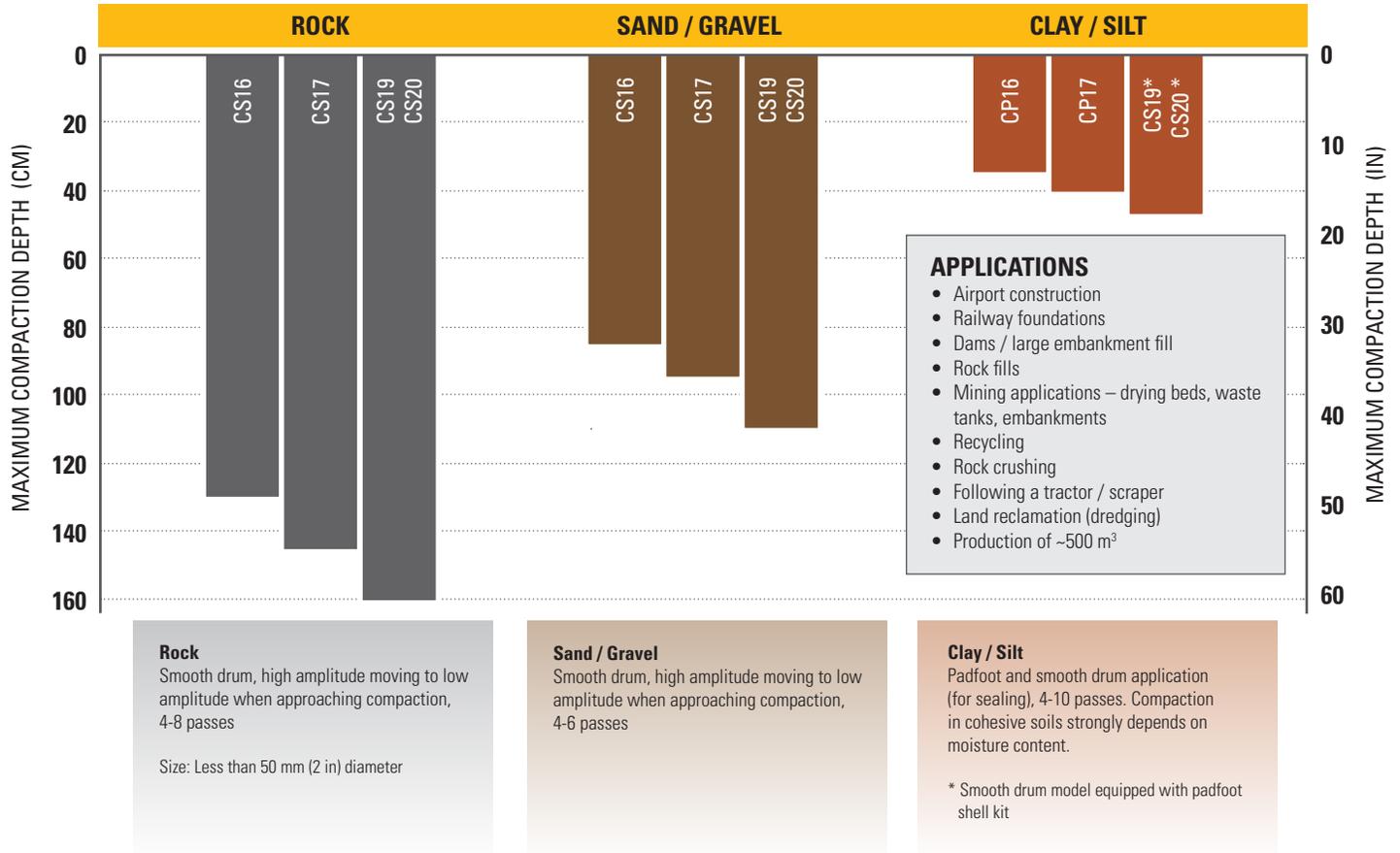
\*Static linear load is approximate and varies by machine configuration.

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# LARGE

## 16-20 T VIBRATORY SOIL COMPACTORS

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



MODEL	SPECIFICATIONS			ATTACHMENTS		TECHNOLOGY	
	WEIGHT CLASS	STATIC LINEAR LOAD*	DRUM WIDTH	PADFOOT SHELL KIT	LEVELING BLADE	MACHINE DRIVE POWER (MDP)	COMPACTION METER VALUE (CMV)
CP16	16 T	—	2134 mm (84 in)		●	●	
CP17	17 T	—	2134 mm (84 in)			●	
CS16	16 T	49 kg/cm (274 lbs/in)	2134 mm (84 in)	●	●	●	●
CS17	17 T	57 kg/cm (319 lbs/in)	2134 mm (84 in)	●		●	●
CS19	19 T	63 kg/cm (353 lbs/in)	2134 mm (84 in)	●		●	●
CS20	20 T	64 kg/cm (358 lbs/in)	2134 mm (84 in)	●		●	●

\*Static linear load is approximate and varies by machine configuration.

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Global

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)

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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