

CAT® COMMAND SEMI-AUTONOMOUS CONTROL FOR COMPACTION

COMMAND

CONSISTENT COMPACTION THROUGH AUTOMATION TECHNOLOGY

Cat® Command for Compaction is an operator-assisted, semi-autonomous technology that automates the compaction process based on operator inputs for Cat vibratory soil compactors.

- Cat Command for Compaction uses settings the operator enters to control speed, direction, steering, and the vibration system of the compactor to provide consistent compaction results.
- The Cat Command for Compaction system utilizes dual RTK correction to provide precision GPS which can achieve up to 60% more coverage compared to a novice operator.*
- Connects to commonly used base stations without the need for site design files or back-office work.
- The operator tells the system WHERE to compact by using the machine to physically define the compaction boundary or by loading a previously recorded and saved area from the display.
- Using three simple inputs, the operator tells the system HOW to compact:
 1. Number of passes to make at each amplitude setting
 2. Ground speed
 3. Amount of overlap
- After verifying the area is safe and clear, the operator engages Cat Command and the system executes compaction.
- The operator can intervene at any time to control the vibration system or stop the machine.
- Cat Command includes an integrated Object Detection System that alerts the operator if an object is in front of or behind the machine.



**Productivity improvement based on product testing of the Command for Compaction system and a novice operator on their first project not utilizing the technology when executing six machine passes in a defined area. Productivity measured as drum coverage and verified by recorded pass count percentages. Test conducted by Caterpillar at Tucson, AZ USA in November 2018.*



ELIMINATE SKILL GAPS

- Cat Command for Compaction performs at a constant speed using the preset vibe setting, number of passes and specified amount of overlap, no matter who is in the seat.
- Cat Command ensures a uniform compaction process, regardless of operator skill level.

UP TO 60% BETTER COVERAGE

- Using Cat Command keeps compaction parameters consistent.
- Increase compaction coverage by up to 60% compared to operation by a novice operator.*
- Achieving consistent and predictable compaction results enables operators to hit compaction targets more easily.

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TECHNOLOGY MADE SIMPLE

- Cat Command is simple to set up with no need for back office work or site designs for the system to operate.
- Cat Command connects to commonly-used base stations.
- The operator uses the machine to define the area to compact.
- After the compaction area is defined, operators enter three simple inputs using the intuitive interface to complete setup.

ENHANCED JOBSITE SAFETY

- An integrated Object Detection System alerts the operator to objects in the path of the machine. Object detection is functional whether the machine is in Auto or the operator is manually moving the machine.
- Machine interlocks help promote proper operation if predetermined parameters are not met.

AVAILABILITY

- Cat Command for Compaction is available for the following models and serial number prefixes on cab-configured machines. Consult your Cat Dealer for more information and availability.

MODEL	SERIAL NUMBER PREFIX
CS12	736, 753, 376
CP12	749, 763, 762, 947
CS13	743
CS14	746, 755, M46
CP14	5N7, 7R5, 7N5, 764
CS16	747, 757, M74
CP16	7E5, 7M7, N57, 766
CS17	758
CS19	748, N76, 78N

MODEL	SERIAL NUMBER PREFIX
CS56B	5B6, 484, S56
CP56B	653, 485, P56
CS64B	CW6, 486
CS66B	D66, 487, S66
CS68B	6C8, 488, CS8
CP68B	656, 489, P68
CS74B	S74, 490, CS4
CP74B	658, 491, P74
CS76B	HD7, 492, CB7
CS79B	B78, 493, S78