



# Cat<sup>®</sup> CCS7

## SMOOTH DRUM VIBRATORY COMBINATION COMPACTOR

### FEATURES:

The CCS7 is a 7 metric ton vibratory combination compactor with a 1700 mm (67") drum width. It delivers excellent mat densities and has the ability to press longitudinal joints with its rear wheels. The CCS7 offers good job site visibility, comfort, and fuel efficiency with standard Eco-mode. It's also equipped with the industry-leading water spray system.

- **Exceptional Visibility and Control** with smooth steering, touchpad machine functions and LCD display enable comfortable and efficient operation to keep operators engaged.
- **Smooth and Quiet Powertrain** with C3.4B engine that meets U.S. EPA Tier 4 Final and EU Stage IV emissions standards. Eco-mode and automatic engine speed control provide reliable control and lower sound levels.

- **Easily match thick or thin lift applications** with two amplitudes and a single frequency system.
- **Compact when optimal compaction temperatures exist.** Optional bumper mounted infrared temperature sensors keep the operator informed of mat temperatures for higher performance and efficiency.
- **Industry-Leading Water Spray System** features a single fill point, dual water pumps, dual spray bars, triple filtration, intermittent operation and high capacity for optimal performance and longer fill intervals.
- **Best Lifetime Value** with Eco-mode operation that conserves fuel, while oil-bath lubrication and 3 yr/3000 hr vibratory drum service interval extends operation and minimizes life-time operating costs.

## Specifications

### Engine - Power Train

Engine Model	Cat <sup>®</sup> 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	7403 kg	16,320 lb
Weight at Drum	4230 kg	9,325 lb
Operating Weight w/ ROPS/FOPS Cab	7669 kg	16,907 lb
Weight at Drum	4364 kg	9,621 lb

### Vibratory System Specifications

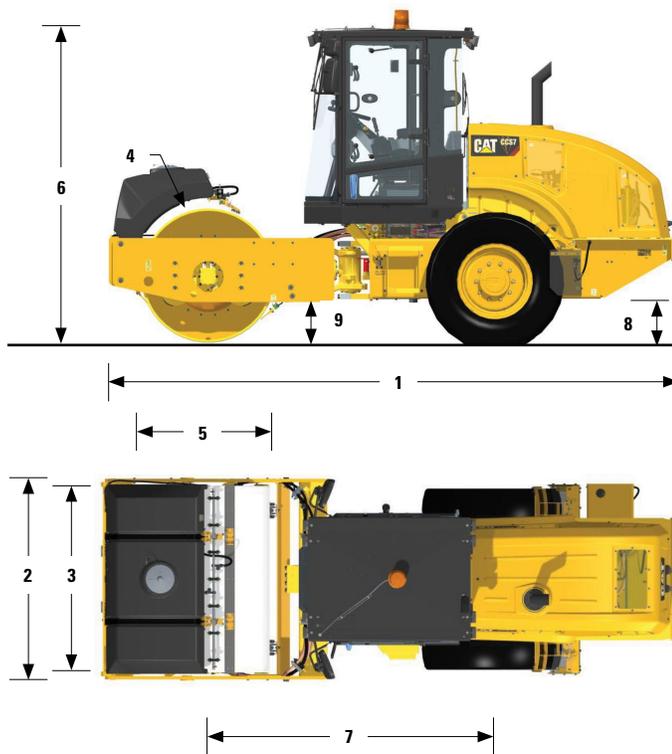
Frequency	42 Hz	2520 vpm
Amplitude		
High	0.92 mm	0.036 in
Low	0.37 mm	0.014 in
Centrifugal Force		
Maximum	125 kN	28,101 lb
Minimum	50 kN	11,240 lb
Static Linear Load		
w/ ROPS/FOPS	25.2 kg/cm	141 lbs/in
w/ ROPS/FOPS Cab	26 kg/cm	145 lbs/in

### Service Refill Capacities

Fuel Tank, total capacity	150 L	40 gal
Diesel Exhaust Fluid (DEF) 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 Housing	13 L	2.9 gal
Axle and Final Drives	14.6 L	3.9 gal
Hydraulic Tank (service refill)	26 L	6.9 gal
Water Spray Tank	475 L	104 gal
Wheel Spray Tank	18 L	4 gal



# CCS7 Vibratory Combination Compactor



## Dimensions

1 Overall Length	5.13 m	16.8 ft
2 Overall Width	1.8 m	5.91 ft
3 Drum Width	1700 mm	67 in
4 Drum Shell Thickness	23 mm	1 in
5 Drum Diameter	1217 mm	48 in
6 Overall Height		
-Cab	2.83 m	9.30 ft
-ROPS/FOPS	2.80 m	9.20 ft
7 Wheelbase	2.6 m	8.5 ft
8 Ground Clearance	400 mm	15.75 in
9 Curb Clearance	369 mm	14.5 in
Inside Turning Radius	3.05 m	10.0 ft
Hitch Articulation Angle	37°	
Hitch Oscillation Angle	15°	

## 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

- 12-volt Power Outlet
- Adjustable Seat with Integrated Console and LCD Display
- Adjustable Tilting Steering Column with Integrated Cup Holders
- Floor Mat
- Horn, Backup Alarm
- Interior Rear View Mirror *ROPS/FOPS models only*
- Lockable Vandalism Guard for LCD Display *ROPS/FOPS models only*
- 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 and Engine load*
- Platform Handrails/Guardrails *ROPS/FOPS models only*
- ROPS/FOPS or ROPS/FOPS Cab *-Depends on market*
- Seat Belt

### POWER TRAIN

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

### VIBRATORY SYSTEM

- Dual Amplitude, Single Frequency
- Pod-Style Eccentric Weight Housing
- Smooth Drum

### OTHER

- Cat ToughGuard™ Hose
- Hydraulic Oil Level Sight Gauge
- Product Link™
- S-O-S<sup>SM</sup> Sampling Valves, Engine Oil and Hydraulic Oil

## OPTIONAL EQUIPMENT

- Additional Rear View Mirrors
- Beacon, Rotating
- Bio-oil Factory Fill
- Cab Internal Roll-down Sun Screen
- Infra-Red Temperature Gauge
- ROPS/FOPS Cab with Climate Control
- Sun Visor
- Water Distribution Mats (Cocoa, Rubber)

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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