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

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Cat® C3.4B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Emissions</td>
<td>US EPA Tier 4 Final</td>
</tr>
<tr>
<td></td>
<td>EU Stage IV</td>
</tr>
</tbody>
</table>

- **Gross Power ISO 14396:** 75 kW (100.6 hp)
- **Displacement:** 3.4 L (207 in³)
- **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)

#### Vibratory System Specifications

<table>
<thead>
<tr>
<th>Frequency</th>
<th>42 Hz</th>
<th>2520 vpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplitude</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High</td>
<td>0.92 mm</td>
<td>0.036 in</td>
</tr>
<tr>
<td>Low</td>
<td>0.37 mm</td>
<td>0.014 in</td>
</tr>
</tbody>
</table>

- **Centrifugal Force**
  - Maximum: 125 kN (28,101 lb)
  - Minimum: 50 kN (11,240 lb)

- **Static Linear Load**
  - w/ ROPS/FOPS Canopy: 25.2 kg/cm (141 lbs/in)
  - w/ ROPS/FOPS Cab: 26 kg/cm (145 lbs/in)

#### 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)

#### Service Refill Capacities

<table>
<thead>
<tr>
<th>Item</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank, total capacity</td>
<td>150 L</td>
</tr>
<tr>
<td>Diesel Exhaust Fluid (DEF) refill</td>
<td>18.9 L</td>
</tr>
<tr>
<td>Cooling System</td>
<td>15.8 L</td>
</tr>
<tr>
<td>Engine Oil w/ Filter</td>
<td>9 L</td>
</tr>
<tr>
<td>Eccentric Weight Housing</td>
<td>13 L</td>
</tr>
<tr>
<td>Axle and Final Drives</td>
<td>14.6 L</td>
</tr>
<tr>
<td>Hydraulic Tank (service refill)</td>
<td>26 L</td>
</tr>
<tr>
<td>Water Spray Tank</td>
<td>475 L</td>
</tr>
<tr>
<td>Wheel Spray Tank</td>
<td>18 L</td>
</tr>
</tbody>
</table>

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**Cat CCS7**

**Smooth Drum Vibratory Combination Compactor**
**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™ 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 Guage
- 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

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Weights and dimensions listed are approximate. 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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