The CB13 is a 13 metric ton vibratory compactor equipped with 2000 mm (79") drums. This model delivers excellent mat densities, good visibility and comfort, fuel efficiency with Eco-mode, and an industry-leading water spray system.

- **Exceptional Visibility and Control** with hand-wheel steering, 8-button touch-pad machine control, LCD display, and 360° seating option help keep operators engaged.
- **Smooth and Quiet Powertrain** with C4.4 engine that meets U.S. EPA Tier 4 Final and EU Stage IV emissions. Eco-mode, and the auto-vibe features help provide reliable control.
- **Simple Vibratory Systems** include an optional rear drum oscillation system, the high-impact five amplitude system, two amplitude/two frequency system, or the highly versatile Versa-Vibe system. The rear-drum Oscillation System can be combined with any of the fore-mentioned systems.

### Oscillatory Vibration System
Combines standard vibration on the front drum with oscillation technology on the rear drum. The oscillation system performs effectively on thin lifts and near sensitive structures such as buildings, bridge decks, and over underground utilities.

- **Machine to Machine Communication** provides real-time progress of multiple machines. It allows operators to monitor each other's rolling pattern and continue the pass where it was left off. The system greatly enhances nighttime operation when low lighting conditions exist.
- **Cat Compaction Control** keeps the operator informed for higher performance and efficiency. Infrared temperature sensors combined with mapping keep the operator informed of when optimal temperatures exist and where compaction has taken place. Temperature Mapping records data for future analysis, while Pass-Count Mapping keeps the operator informed of where mat coverage has taken place and the number of passes made.

### Specifications

#### Weights

<table>
<thead>
<tr>
<th>CB13 Operating Weight w/ROPS/FOPS/CANOPY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard machine</td>
<td>12 500 kg</td>
</tr>
<tr>
<td>Maximum machine</td>
<td>13 150 kg</td>
</tr>
<tr>
<td>Static linear load</td>
<td>33 kg/cm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CB13 Operating Weight w/ROPS/FOPS/CAB</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard machine</td>
<td>12 900 kg</td>
</tr>
<tr>
<td>Maximum machine</td>
<td>13 550 kg</td>
</tr>
<tr>
<td>Static linear load</td>
<td>34 kg/cm</td>
</tr>
</tbody>
</table>

#### Service Refill Capacities

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel Tank</td>
<td>250 L</td>
</tr>
<tr>
<td>Fuel Usage (50% duty)</td>
<td>12 hours</td>
</tr>
<tr>
<td>Cooling System</td>
<td>21 L</td>
</tr>
<tr>
<td>Engine Oil</td>
<td>8.1 L</td>
</tr>
<tr>
<td>Hydraulic Tank</td>
<td>36 L</td>
</tr>
<tr>
<td>Water Tank</td>
<td>1000 L</td>
</tr>
</tbody>
</table>

#### Engine – Powertrain

**Cat C4.4 w/ACERT™ Technology**

- **Gross Power:** 106 kW 142 hp 144 metric hp
- **Number of Cylinders:** 4
- **Rated Speed:** 2200 rpm
- **Eco-mode:** Variable rpm
- **Bore:** 105 mm 4.13"
- **Stroke:** 127 mm 5"
- **Speed Ranges:**
  - Low: 0 - 7 km/hr 4.5 mph
  - High: 0 - 13 km/hr 8 mph
- **Articulation Angle:** 36°
- **Steering (Inside):** 4.33 m 14’ 2”
- **Hitch Oscillation:** ±6°
### CB13 Tandem Vibratory Roller

#### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>4742 mm</td>
</tr>
<tr>
<td>Drum Width</td>
<td>2000 mm</td>
</tr>
<tr>
<td>Drum Offset</td>
<td>170 mm</td>
</tr>
<tr>
<td>Drum Shell Thickness</td>
<td>17 mm</td>
</tr>
<tr>
<td>Drum Diameter</td>
<td>1300 mm</td>
</tr>
<tr>
<td>Overall width at ROPS</td>
<td>2325 mm</td>
</tr>
<tr>
<td>Height at ROPS/FOPS/Cab</td>
<td>3068 mm</td>
</tr>
<tr>
<td>w/Product Link™</td>
<td>3090 mm</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>3450 mm</td>
</tr>
<tr>
<td>Curb Clearance</td>
<td>723 mm</td>
</tr>
<tr>
<td>Ground Clearance</td>
<td>292 mm</td>
</tr>
</tbody>
</table>

#### Vibratory Systems

**Five Amplitude**
- Frequency – Hz (vpm) 42 (2520)
- Amplitude – mm (in)
  - high: 0.96 (0.038)
  - medium high: 0.82 (0.032)
  - medium: 0.66 (0.026)
  - medium low: 0.49 (0.019)
- Centrifugal Force (high) – kN (lbF) 110.0 (24,728)
- Centrifugal Force (low) – kN (lbF) 34.7 (7,800)

**Versa-Vibe™**
- Frequency – Hz (vpm) 42 (2520)
- Amplitude – mm (in)
  - high: 0.78 (0.030)
  - low: 0.66 (0.026)
- Centrifugal Force (high) – kN (lbF) 88.8 (19,963)
- Centrifugal Force (low) – kN (lbF) 75.4 (16,950)
- Frequency – Hz (vpm) 63.3 (3800)
- Amplitude – mm (in)
  - high: 0.40 (0.016)
  - low: 0.30 (0.012)
- Centrifugal Force (high) – kN (lbF) 103.3 (23,222)
- Centrifugal Force (low) – kN (lbF) 77.5 (17,422)

**Two Amplitude, Two Frequency (Not available in the U.S. or Canada)**
- Frequency – Hz (vpm) 42 (2520)
- Amplitude – mm (in)
  - high: 0.76 (0.030)
- Centrifugal Force (low) – kN (lbF) 87.2 (19,603)
- Frequency – Hz (vpm) 63.3 (3800)
- Amplitude – mm (in)
  - 0.29 (0.011)
- Centrifugal Force (high) – kN (lbF) 76.3 (17,152)

#### Optional Equipment

- High Intensity Discharge (HID) Lights w/Drum Edge Lighting
- LED Lights
- Mirrors
- Offset Hitch
- Oscillatory Vibration
- Premium Water Spray Nozzles
- Product Link
- Roading Lights
- ROPS/FOPS Cab
- Two Amplitude/Two Frequency Vibratory System
- Versa Vibe Vibratory System
- Warning Beacon
- Water Distribution Mats (cocoa)
- Water Distribution Mats (rubber)

#### Oscillatory Vibration System – Rear Drum

- Frequency – Hz (vpm) 40 (2400)
- Amplitude (Tangential) – mm (in) 1.29 (0.051)