CAT TANDEM VIBRATORY ROLLERS
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AVAILABLE MODELS

CB44B
Solid Drum or Split Drum

CB54B
Solid Drum or Split Drum

CD44B
Solid Drum or Split Drum

CD54B
Solid Drum or Split Drum
The expanded line of Cat Tandem Vibratory Rollers provides you with a broad range of sizes to match just about any job, from parking lots to mainline paving.

While some of the features have changed, the best-in-class vibratory systems haven’t. They are easy to match frequency and amplitude to your particular application in order to achieve target densities in the fewest number of passes.

Innovative technology features work quietly behind the scenes. With each roll, temperature can be measured and passes can be counted, more efficiently than ever before.

Operators will notice that they’re more comfortable, and that visibility is enhanced, too. Your service technicians, meanwhile, will appreciate extended maintenance intervals. You’ll notice improved productivity and machine uptime.

Why settle for any tandem vibratory roller when you can utilize one ideally matched to the size, specifications and requirements of your project?

With Cat Paving Products, you have more models, more comfort, more technology—and ultimately, more profitability.
A FULL RANGE FOR ANY PAVING APPLICATION.

You can take comfort knowing that no matter how remote the project, service and parts are always available.

HOW CAT TANDEM VIBRATORY ROLLERS DELIVER

Cat Tandem Vibratory Rollers feature more drum choices, increased amplitude and improved technology to help you quickly reach quality targets. The industry’s longest service intervals reduce the use of consumables and keep the machines running day after day, from dawn to dusk. Don’t forget to factor in a high resale value because of the legendary Cat durability.

EXCEPTIONAL VISIBILITY AND CONTROL

– Unobstructed sight lines with standard 180° seat positioning and ability to rotate 360° for excellent all-around visibility
– Innovative hand-wheel steering technology eliminates the front console and delivers precise control
– Finger-tip control for machine functions
– Drum edge and drum surface lighting for easy nighttime operation

SMOOTH OPERATING POWERTRAIN

– Split drum or solid drum capability on some models
– Split-drum design delivers outstanding performance when making turns, eliminates mat tearing and other defects
– Oscillating hitch design delivers best mat finish and improves ride quality on uneven terrain
– Automatic speed control and impact spacing, easily repeat desired working speed
– CD44B and CD54B offer four steering modes: front, leading drum, coordinated front/rear, offset mode
– Coordinated steering produces a tight inside turning radius
VERSATILE VIBRATORY SELECTION
– Dual Amplitude/Dual Frequency Vibratory System (check model availability)
  • Automatically optimizes amplitude and frequency with single switch
  • Simple thin/thick lift operation
– Five-Amplitude Vibratory System, heavy hitter for thick lifts and tough mix designs
– Versa Vibe™ Vibratory System, two machines in one for lighter hitting and higher speeds or heavy hitting and slower speeds (check model availability)
– Wide coverage: CD44B – 2820 mm (111”); CD54B – 3020 mm (118”)

BEST LIFETIME VALUE
– Eco-mode reduces fuel consumption and lowers sound levels
– Industry-leading vibratory system reliability with extended service intervals
– Oil-bath lubrication for long life of eccentric weight bearings
– Long service intervals for the engine, hydraulics and vibratory system minimize lifetime operating costs

INDUSTRY-LEADING WATER SPRAY SYSTEM
– High capacity system tank provides long duration between fills
– Dual water pumps provide back-up capability and alternate with direction of travel to maximize service life
– Dual spray bars per drum on the CB64B, CB66B, and CB68B provide high flow when needed
– Triple filtration prevents clogs with filters located at the fill point, water pumps, and spray nozzles
– Intermittent operation conserves water
– Integrated freeze protection kit (optional) provides protection in cold temperatures when machine is not in use

CAT COMPACTION CONTROL
– Infrared temperature sensors (front and rear) keep operator informed of when optimal temperatures exist for compaction
– Temperature Mapping records temperatures for data analysis
– Pass-Count Mapping keeps operator informed of where mat coverage has taken place and the number of passes made
– Compaction Meter Value (CMV)
– Auto-Adjustable Compaction
FEEL THE COMFORT, ENJOY THE PERFORMANCE

1. Versatile vibratory systems
2. Solid or split drum designs on some models
3. Drum surface lighting
4. Eco-mode
5. Cool, comfortable operating environment
6. Cat Compaction Control
7. Machine-to-machine communication
8. Reliable water spray system
9. Drum edge lighting
The rollers feature powerful Cat engines, with ranges between 75 kW (100 hp imperial, 102 metric hp) and 98 kW (131 hp imperial, 133.2 metric hp).
NO SHOCK: COMFORT MATTERS
Cat rollers are built to vibrate. Your operators aren’t. That’s why comfort is built into every model. The conveniences help keep your operators fresh, which improves productivity and safety. Comfortable equipment also helps you retain key employees, avoiding additional training and hiring costs.

Caterpillar designs operating stations that provide excellent visibility, control and comfort.
1. Hand-wheel steering
2. Intuitive LCD display
3. Multi-function propel lever
4. Standard 180° seating
5. Optional 360° seating
6. Adjustable armrests

**OPERATOR’S STATION**
- Controls and LCD Display integrated with pivoting adjustable seat and move with the operator
- Vinyl seat for open-platform configurations; cloth for cab
- Heated option for both cloth and vinyl seats
- Optional deluxe high back air-ride seat
- Vibration-absorbing floor mat
- 12-volt power receptacle supports communication devices
- Comfortable, wide-width seat belt
- Cup holders offer convenience
- Lockable storage compartment

**EXCEPTIONAL VISIBILITY AND COMFORT**
- Unimpeded views to drum edges
- Unobstructed sight lines with 180° seat positioning and ability to rotate 360°
- Lighting at the drum surface and edge for nighttime operation
- Large mirrors provide wide views to rear
- Standard light package provides excellent lighting; optional additional light package enhances overall illumination
- Low machine noise, low vibration transfer to operator
- Sliding armrest and adjustable seats conform to operator
- Cab features excellent climate control and ventilation with optional air conditioning
UNDER CONTROL
The newly designed console for Cat Tandem Vibratory Rollers is convenient, helping operators quickly find what they need, when they need it. The console’s intuitiveness gives operators the confidence they need to leverage the technology, and associated productivity, built into Cat rollers.

MULTI-FUNCTION PROPEL LEVER
- Integrated controls for:
  • Water spray on/off
  • Drum offset
    - Standard on CD44B and CD54B
    - Optional on CB44B, CB54B, CB64B, CB66B, CB68B
  • Vibratory control
  • Optional edge cutter raise/lower control

FINGERTIP CONTROL
CONSOLE ENABLES OPERATOR TO WORK WITH CONFIDENCE.
Cat control consoles are integrated with pivoting seats, keeping controls and the display right at your fingertips.

**LCD DISPLAY**
- Multiple functions, including machine data and diagnostics
- Integrated with seat, so it remains in same position even as the seat pivots
- Built-in lockable anti-vandalism cover
- Back-lit for easy visibility in all light conditions
- Multiple language options
- Split-screen capability
- Indicators for:
  - Ground speed
  - Vibrations per minute
  - Fuel level

**CONVENIENT CONSOLE**
- Integrated with seat providing fingertip access, turns with seat
- Soft keys with tactile feel provide feedback to the operator for intuitive operation
- Emergency Stop button easy to reach and engage
SOLID DRUMS = VIBRATORY SYSTEM VERSATILITY

Solid drum models offer more vibratory choices to match your amplitude and frequency requirements, and perform particularly well in high-production applications.

KEY FEATURES

- Perform exceptionally well in vibratory or static mode, enabling a single machine to perform breakdown, intermediate and finishing work
- Offer more vibratory choices to match amplitude and frequency requirements. This drum design performs well in high-production applications
- Are well suited to all types of mix designs and applications
- Provide high amplitudes for breakdown and intermediate work, while their high static linear loads deliver excellent results for finishing work
- Typical applications include highways, city streets, county roads, lane additions, industrial sites, overlays, airport runways, and other high-production paving jobs

Easily fine-tune amplitude settings for the 5-amplitude and Versa Vibe™ systems
SPLIT DRUMS: A TURN FOR THE BETTER

The exclusive split-drum design delivers excellent mat quality in urban environments when frequent turning is required.

KEY FEATURES

The exclusive drum steer propel system provides a tight turning radius without damaging the hot mat.

- When turning, the outside drum half rotates faster than the inside drum, eliminating the potential for shoving and tearing that occurs on standard vibratory drum designs.
- The exclusive axle-type pod design utilizes tapered roller bearings that support each drum half and eliminates any potential for contact between the two halves.
- Dual seals provide two layers of protection that prevent contamination and ensure long-term performance.

DRUM STEER FEATURES

WIDE DRUM OFFSET

- The 1.3 m (51") drum offset provides more coverage for higher production on thin mats while minimizing heat loss prior to compaction.
- Ease of operation is provided through fingertip control at the propel lever, enabling one-handed operation.
- An audio alarm alerts the operator when the drums are aligned, allowing the operator to concentrate on mat conditions.

SENSITIVE-TO-THE-TOUCH STEERING

The benefit of electronic steering is combined with the feel of hydraulic steering. When the drum encounters resistance, friction to the steering wheel increases, providing an intuitive feel that is extremely beneficial when operating adjacent to vertical barriers and curbs, or when drum articulation reaches the end of travel during tight turns.

FOUR STEERING MODES

Front Steering  Leading Drum Steering  Coordinated Steering  Offset Operation
PACK A PUNCH

ACHIEVE QUALITY COMPACTION FASTER.

DONE RIGHT, DONE NOW
Cat Tandem Vibratory Rollers quickly reach target densities due to their versatile frequency and amplitude selections. These powerful rollers also provide finesse when necessary due to their flexible front or rear drum only vibratory capability.

Easily adjust amplitude and frequency to match the jobsite application.

VIBRATORY SYSTEM
- Options include dual amplitude/dual frequency, Versa Vibe™, and five amplitude settings
- Multiple options that help fine-tune performance on thick, challenging lifts
- Automatic Speed Control feature makes it easier to maintain consistency and impact spacing requirements
- Auto Vibe function helps prevent over-compaction and contributes to uniformity

EXCLUSIVE POD-STYLE VIBRATORY SYSTEM
- Solid drum design exhibits industry-leading vibratory system reliability with 3-year/3000-hour service interval
- Oil-bath lubrication for long life of eccentric weight bearings
- Split-drum design with exclusive tapered roller bearing pod design eliminates contact between drum halves for long-term reliability
DUAL AMPLITUDE / DUAL FREQUENCY VIBRATORY SYSTEM
- Dual amplitude and dual frequency can be tailored to thin/thick lifts
- Single switch control
- Automatically matches amplitude and frequency
- Simple thin/thick lift operation

FIVE AMPLITUDE VIBRATORY SYSTEM
- Heavy hitter for thick lifts and tough mix designs
- Single frequency, five amplitudes
- Easily fine-tune amplitude with drum mounted handwheel

VERSA VIBE™ VIBRATORY SYSTEM
- Two machines in one for lighter hitting and higher speeds or heavy hitting and slower speeds (CB54B, CB64B, CB66B, CB68B only)
- High frequency or high amplitude settings
- Two settings for lighter hitting and higher working speeds on thin lifts
- Two settings for heavier hitting and slower speeds, on thick lifts
- Four amplitudes, two frequencies
- Simple frequency adjustment
- Breakdown, intermediate, and finish capabilities
CAT COMPACTION CONTROL
GOING BEYOND OPERATOR INTUITION.

AUTO ADJUSTABLE COMPACTION – CB54B AND CD54B ONLY
Cat Compaction Control options help contractors increase efficiency and productivity while recording data for quality control documentation and future planning.

EXCLUSIVE COMPACTION PERFORMANCE
– Front and rear drums are equipped with auto-adjusting technology
– Each drum is controlled independently
– Delivers highest level of amplitude without over-compacting
– Dedicated accelerometer and ECM controls each drum

INCREASED PRODUCTIVITY
– Optimizes performance, helpful near sensitive structures
– Full range of amplitude adjustment occurs in as little as 4 seconds
– Eliminates de-coupling and damage to asphalt
– Sensitivity adjustments for a variety of mix designs
– Meets VT2 classification for Europe

SIMPLE OPERATION
– Automatic feature simplifies operation and optimizes compaction performance
– Controls stay with the operator when swiveling the seat

LOWER COST COMPACTION
– Uniform compaction helps meet quality standards
– Minimal training required for inexperienced operators
PASS-COUNT MAPPING

- Achieve target density and increase roller efficiency
- Record and monitor pass pattern in order to ensure consistent coverage
- Optimize drum overlap in order to keep pace with the paver
- Simplify nighttime operation
- Prevent incomplete passes such as stopping short

TEMPERATURE MAPPING

- Provides a visual readout of mat temperature in order to keep the machine in the proper temperature range
- Records and monitors temperature for future analysis of the proper temperature range

TEMPERATURE SENSORS

- Dual infra-red sensors mounted on the front and rear of the machine deliver real-time temperature readings
- Keep operator informed of when to begin rolling and when to stop
- Help avoid tender-zones that often occur in the 104°-110° C (219°-230° F) temperature range
- Optimal mat temperatures for compaction
  - Upper limit is around 149° C (300° F)
  - Lower limit is around 85° C (185° F)
- Eliminates hand-held devices

MACHINE TO MACHINE COMMUNICATION

IMPROVE COMPACTION RESULTS

- Improved job site efficiency
- Easily monitor fleet patterns
- Pickup pass patterns where others left off
- Simplify nighttime operation
CAT COMPACTION CONTROL

COMPACTION METER VALUE (CMV)

HIGHLIGHTS

– CMV technology utilizes a drum-mounted accelerometer to measure and record forces of the vibrating drum
– A unit-less value calculation derived from the recorded data provides an indication of stiffness
– The unit-less value calculation is referred to as a “composite stiffness value” that indicates stiffness of the current and supporting layers beneath the drum
– Capable of utilizing RTK level accuracy to provide the highest level of Global Navigation Satellite System positioning (GNSS)
– System is able to correlate compaction, frequency, and pass-count data to specific locations

Compaction Meter Value is a combined stiffness of the asphalt layer, base layer(s) and sub-base materials.

CMV can help indicate road structure health on “mill and fill” applications.
WATER SPRAY SYSTEM
STEADY FLOW, FEWER CLOGS.

KEEP WORK FLOWING
The water tank on Cat tandem vibratory rollers has the capacity to keep your crew moving for hours. The system also is designed to prevent clogging and keep the entire roller drum wet—and the asphalt where it belongs.

CAPACITY, CONVENIENCE
- High capacity system with single fill point provides long duration between refills
- Triple filtration prevents clogs with filters located at the fill point, water pumps, and spray nozzles
- Highly accessible filters can be quickly removed for cleaning without the use of special tools, limiting machine downtime
- Dual water pumps provide the necessary flow to the spray nozzles
- Dual spray nozzles on the large models ensure the drums stay wet, even in the harshest conditions
- Pump usage alternates with the direction of travel, providing controlled cycling that extends pump life
- Upward spray nozzle orientation allows water to drain back into the supply line, limiting particle accumulation in the nozzle filter
- Constant or adjustable intermittent operation
- Integrated freeze protection kit (optional) provides protection in cold temperatures when machine is not in use
STAYING POWER
The B-Series tandem rollers are powered by Cat engines. The engines include a variety of features that help reduce fuel burn, yet still deliver the power required on challenging jobsites. Tough components help extend compactor life.

The oscillating hitch design improves ride quality on uneven terrain.
POWER, SMOOTH RIDE
– Outstanding performance when rolling resistance is amplified such as inclines and thick lifts
– Centered articulation hitch allows the drums to track in the same path while turning

ENGINE
– Features electronic control module (ECM), providing optimal performance through precisely synchronized timing and fuel delivery
– ECM enables advanced troubleshooting and diagnostic capabilities using Electronic Technician (Cat ET)
– Cat Dealers are the single-source providers of all machine and engine warranty service (a Cat exclusive)
– Easy access to entire engine compartment and cooling module for easy, fast servicing
– Sustainable features include meeting EPA Tier 4 Final and EU Stage IV emission standards, and a thick block/robust components for extended life and lower noise levels

HIGH CAPACITY COOLING SYSTEM
– The large capacity cooling system keeps the operating temperatures low, even in extreme conditions
– The high capacity fans direct warm air away from the operator for a more comfortable operating environment

CAT ENGINES OPTIMIZED FOR POWER, EFFICIENCY

CB44B, CD44B, CD54B
75 kW (100 hp)

CB54B, CB64B, CB66B, CB68B
98 kW (131 hp)

Gross power: ISO 14396
Rated Speed: 2,200 rpm

AIR FLOW PATTERN
**CB44B**

**ARTICULATING ROLLER.**

**APPLICATIONS**
- Highways, urban streets, parking lots, rural roads
- 1.5 m (59") drums cover widths up to 3.65 m (12') in three overlapping passes
- Recommended for lift thicknesses up to 76 mm (3")

**AVAILABLE IN SOLID OR SPLIT DRUM MODELS**

**STANDARD AND OPTIONAL EQUIPMENT**

**Standard Equipment:**
- 2-Amplitude/2-Frequency Vibe System
- 12-Volt Electrical System
- 120 Amp Alternator
- 742 L (196 gal) Water Tank Capacity
- Automatic Speed Control
- Automatic Vibratory Control
- Eco-mode
- Front and Rear Solid Drums
- Locking Engine Compartment
- ROPS/FOPS Platform
- Rotating and Sliding Station
- Triple Filtered Water Spray System
- Two-Speed Hydrostatic Transmission
- Sealed Pod Vibratory System
- Suspension Seat
- Working Lights

**Optional Equipment:**
- 5-Amplitude Vibratory System
- Air Conditioning
- Air Suspension Seat w/Heat
- Bio-Degradable Oil
- Chip Spreader Ready (split drum)
- Cat Compaction Control
- Edge Cutter
- Freeze Protection Kit
- Front and Rear Split Drums
- High Ambient Cooling System
- Halogen Lights w/Drum Edge Lights
- High Intensity Discharge (HID) Lights w/ Drum Edge Lighting
- Mirrors
- Offset Hitch
- Product Link
- Recording Module (cab only)
- Roading Lights
- ROPS/FOPS Cab
- Temperature Indicator (asphalt)
- Warning Beacon
- Water Distribution Mats (cocoa)
- Water Distribution Mats (rubber)
## CB44B Specifications

### Dimensions

| 1 | Overall Length | 4565 mm | 14' 5" |
| 2 | Drum Width | 1500 mm | 59" |
| 3 | Drum Offset | 170 mm | 6" |
| 4 | Drum Shell Thickness | 16 mm | 0.67" |
| 5 | Drum Diameter | 1108 mm | 44" |
| 6 | Overall width | 1670 mm | 5' 5" |
| 7 | Height at ROPS/FOPS | 2980 mm | 9' 9" |
| 2 | Height at Cab | 2980 mm | 9' 9" |
| 5 | Wheelbase | 3300 mm | 10' 10" |
| 6 | Curb Clearance | 898 mm | 35" |
| 7 | Ground Clearance | 226 mm | 9" |

### Weights

#### Operating Weight - Split Drum with ROPS/FOPS/CAB

- Standard machine: 9,330 kg, 20,569 lb
- Maximum machine: 10,470 kg, 23,082 lb
- Static linear load: 31.1 kg/cm, 174 lb/in

#### Operating Weight - Solid Drum with ROPS/FOPS/CAB

- Standard machine: 8,190 kg, 18,056 lb
- Maximum machine: 8,940 kg, 19,709 lb
- Static linear load: 26.9 kg/cm, 151 lb/in

#### Operating Weight - Split Drum with ROPS/FOPS/CAB

- Standard machine: 9,030 kg, 19,908 lb
- Maximum machine: 10,250 kg, 22,597 lb
- Static linear load: 29.8 kg/cm, 167 lb/in

#### Operating Weight - Solid Drum with ROPS/FOPS/CAB

- Standard machine: 7,990 kg, 17,615 lb
- Maximum machine: 8,720 kg, 19,224 lb
- Static linear load: 26.3 kg/cm, 147 lb/in

### Powertrain

- **Engine Model**: Cat C3.4B ACERT™
- **Tier 4 Interim, Stage IIIIB**: 75 kW, 100 hp, 102 metric hp
- **Number of Cylinders**: 4
- **Rated Speed**: 2200 rpm

### Speed Ranges

- **Low**: 0 - 7 km/hr, 0 - 4.3 mph
- **High**: 0 - 12 km/hr, 0 - 7.5 mph

### Capacities

| Fuel Tank | 208 L | 55 gal |
| Fuel Usage (50% duty) | 12 hours |
| Water Tank | 742 L | 196 gal |

### Vibratory Systems

#### Two Amplitude, Two Frequency - Split Drum

- **Low Frequency**: 42 Hz, 2520 vpm
  - Amplitude: 0.62 mm, 0.024 in
  - Centrifugal Force: 59.2 kN, 13,309 lbF
- **High Frequency**: 53.3 Hz, 3200 vpm
  - Amplitude: 0.31 mm, 0.012 in
  - Centrifugal Force: 73.8 kN, 16,591 lbF

#### Two Amplitude, Two Frequency - Solid Drum

- **Low Frequency**: 53.3 Hz, 3200 vpm
  - Amplitude: 0.65 mm, 0.026 in
  - Centrifugal Force: 53.3 kN, 11,982 lbF
- **High Frequency**: 63.3 Hz, 3800 vpm
  - Amplitude: 0.31 mm, 0.012 in
  - Centrifugal Force: 78.3 kN, 17,603 lbF

#### Two Amplitude, Two Frequency - Split Drum

- **Low Frequency**: 45 Hz, 2700 vpm
  - Amplitude - high: 0.65 mm, 0.026 in
  - Centrifugal Force: 26.9 kN, 6,047 lbF
  - Amplitude - low: 0.31 mm, 0.012 in
  - Centrifugal Force: 55.7 kN, 12,522 lbF
- **High Frequency**: 50/57 Hz, 3200/3420 vpm
  - Amplitude - high: 0.65 mm, 0.026 in
  - Centrifugal Force: 43.2 kN, 9,712 lbF
  - Amplitude - low: 0.31 mm, 0.012 in
  - Centrifugal Force: 68.8 kN, 15,467 lbF

* System is available with 3rd frequency that produces a higher centrifugal force.

#### Five Amplitude - Solid Drum

- **Frequency**: 53.3 Hz, 3200 vpm
  - Amplitude
    - High: 0.64 mm, 0.025 in
    - Medium high: 0.56 mm, 0.022 in
    - Medium: 0.45 mm, 0.018 in
    - Medium low: 0.35 mm, 0.014 in
    - Low: 0.25 mm, 0.010 in
  - Centrifugal Force
    - High: 76.9 kN, 17,288 lbF
    - Low: 30.2 kN, 6,789 lbF
CB54B
ARTICULATING ROLLER.

APPLICATIONS
– Interstates, highways, urban streets, large parking lots, rural roads
– 1.7 m (67") drums cover widths up to 4.8 m (16") in three overlapping passes
– Recommended for lift thicknesses up to and greater than 101 mm (4")

AVAILABLE IN SOLID OR SPLIT DRUM MODELS

STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment:
• 2-Amplitude/2-Frequency Vibe System
• 12-Volt Electrical System
• 120 Amp Alternator
• 837 L (221 gal) Water Tank Capacity
• Automatic Speed Control
• Automatic Vibratory Control
• Eco-mode
• Front and Rear Solid Drums
• Locking Engine Compartment
• ROPS/FOPS Platform
• Triple Filtered Water Spray System
• Two-Speed Hydrostatic Transmission
• Sealed Pod Vibratory System
• Solid Drums
• Suspension Seat
• Working Lights

Optional Equipment:
• 5-Amplitude Vibratory System
• Air Conditioning (cab only)
• Air Suspension Seat w/Heat
• Bio-Degradable Oil
• Cat Compaction Control
• Chip Spreader Ready (split drum)
• Edge Cutter
• Freeze Protection Kit
• Front and Rear Split Drums
• High Ambient Cooling System
• Halogen Lights w/Drum Edge Lights
• High Intensity Discharge (HID) Lights w/Drum Edge Lighting
• Mirrors
• Offset Hitch
• Product Link
• Recording Module (cab only)
• Roading Lights
• ROPS/FOPS Cab
• Split Drums
• Temperature Indicator (asphalt)
• Versa Vibe™ Vibratory System
• Warning Beacon
• Water Distribution Mats (cocoa)
• Water Distribution Mats (rubber)
**CB54B SPECIFICATIONS**

### Dimensions

1. **Overall Length** 4565 mm 14' 9"
2. **Drum Width** 1700 mm 67"
   - Drum Offset 170 mm 6"
   - Drum Shell Thickness 17 mm 0.67"
   - Drum Diameter 1198 mm 47"
3. **Drum Width** 1700 mm 67"
4. **Height at ROPS/FOPS, Height at Cab** 2982 mm 9' 9"
5. **Wheelbase** 3300 mm 10' 10"
6. **Curb Clearance** 934 mm 37"
7. **Ground Clearance** 268 mm 10"

### Weights

**Operating Weight - Split Drum with ROPS/FOPS/CAB**
- Standard Machine 10 670 kg 23,525 lb
- Maximum Machine 12 160 kg 26,808 lb
- Static linear Load 31.5 kg/cm 176 lb/in

**Operating Weight - Solid Drum with ROPS/FOPS/CAB**
- Standard Machine 9 710 kg 21,407 lb
- Maximum Machine 10 510 kg 23,171 lb
- Static linear Load 28.5 kg/cm 160 lb/in

**Operating Weight - Split Drum with ROPS/FOPS/CAB**
- Standard Machine 10 410 kg 22,950 lb
- Maximum Machine 11 790 kg 25,995 lb
- Static linear Load 30.8 kg/cm 173 lb/in

**Operating Weight - Solid Drum with ROPS/FOPS/CAB**
- Standard Machine 9 500 kg 20,945 lb
- Maximum Machine 10 235 kg 22,564 lb
- Static linear Load 27.8 kg/cm 156 lb/in

### Powertrain

**Engine Model** Cat C4.4 ACERT™
- Tier 4 Interim, Stage III B
- 98 kW 131 hp 133.2 metric hp
- Number of Cylinders 4
- Rated Speed 2200 rpm

**Speed Ranges**
- Low 0 - 7 km/hr 0 - 4.3 mph
- High 0 - 11 km/hr 0 - 7 mph

### Capacities

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Value</th>
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<tbody>
<tr>
<td>Fuel Tank</td>
<td>208 L 55 gal</td>
</tr>
<tr>
<td>Fuel Usage (50% duty)</td>
<td>12 hours</td>
</tr>
<tr>
<td>Water Tank</td>
<td>837 L 221 gal</td>
</tr>
</tbody>
</table>

### Vibratory Systems

#### Two Amplitude, Two Frequency – Split Drum
- **Low Frequency** 42 Hz 2520 vpm
- **Amplitude** 0.61 mm 0.024 in
- **Centrifugal Force** 75.5 kN 16,973 lbF
- **High Frequency** 53.3 Hz 3200 vpm
- **Amplitude** 0.33 mm 0.013 in
- **Centrifugal Force** 86.7 kN 19,491 lbF

#### Two Amplitude, Two Frequency – Solid Drum
- **Low Frequency** 43 Hz 2,580 vpm
- **Amplitude** 0.82 mm 0.032 in
- **Centrifugal Force** 69.9 kN 15,714 lbF
- **High Frequency** 63.3 Hz 3,800 vpm
- **Amplitude** 0.32 mm 0.012 in
- **Centrifugal Force** 81.6 kN 18,344 lbF

#### Two Amplitude, Two Frequency – Solid Drum
- **Low Frequency** 43 Hz 2,580 vpm
- **Amplitude** 0.82 mm 0.032 in
- **Centrifugal Force** 49.6 kN 11,151 lbF
- **High Frequency** 53.3 Hz 3,200 vpm
- **Amplitude** 0.32 mm 0.012 in
- **Centrifugal Force** 81.6 kN 18,344 lbF

#### Five Amplitude – Solid Drum
- **Frequency** 43 Hz 2580 vpm
- **Amplitude**
  - High 1.06 mm 0.042 in
  - Medium high 0.91 mm 0.036 in
  - Medium 0.73 mm 0.029 in
  - Medium low 0.54 mm 0.021 in
  - Low 0.34 mm 0.013 in
- **Centrifugal Force**
  - High 107 kN 24,055 lbF
  - Low 34.6 kN 7,778 lbF

#### Versa-Vibe™ – Solid Drum
- **Low Frequency** 43 Hz 2580 vpm
- **Amplitude - High** 0.86 mm 0.034 in
- **Amplitude - Low** 0.72 mm 0.028 in
- **Centrifugal Force**
  - High 87.6 kN 19,693 lbF
  - Low 72.9 kN 16,389 lbF
- **High Frequency** 63.3 Hz 3800 vpm
- **Amplitude - High** 0.39 mm 0.015 in
- **Amplitude - Low** 0.26 mm 0.010 in
- **Centrifugal Force**
  - High 86.7 kN 19,491 lbF
  - Low 58.2 kN 13,084 lbF
APPLICATIONS
– Cul-de-sacs, confined areas, highways, urban streets, parking lots, rural roads
– 1.5 m (59”) drums cover widths up to 3.6 m (12’) in three overlapping passes
– Offset mode covers widths up to 2.8 m (9’ 3”)
– Recommended for lift thicknesses up to 76 mm (3”)

STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment:
• 2-Amplitude/2-Frequency Vibe System
• 12-Volt Electrical System
• 120 Amp Alternator
• 600 L (158 gal) Water Tank Capacity
• Automatic Traction Control
• Front and Rear Solid Drums
• Locking Engine Compartment
• Roading Lights
• ROPS/FOPS Platform
• Sealed Pod Vibratory System
• Suspension Seat
• Triple-Filtered Water Spray System
• Two-Speed Hydrostatic Transmission

Optional Equipment:
• Air Conditioning (cab only)
• Air Suspension Seat w/Heat
• Bio-Degradeable Oil
• Cat Compaction Control
• Chip Spreader Ready (split drum)
• Edge Cutter
• Freeze Protection Kit
• Front and Rear Split Drums
• Halogen Lights w/Drum Edge Lights
• High Ambient Cooling System
• High Intensity Discharge (HID) w/Drum Edge Lighting
• Mirrors
• Product Link
• Recording Module (cab only)
• Roading Lights
• ROPS/FOPS Cab
• Temperature Indicator (asphalt)
• Warning Beacon
• Water Distribution Mats (cocoa)
• Water Distribution Mats (rubber)
**CD44B SPECIFICATIONS**

### Dimensions

| 1 | Overall length | 4284 mm | 13' 10" |
| 2 | Drum width | 1500 mm | 59" |
|   | Drum offset | 1320 mm | 51" |
|   | Max. compaction width | 2820 mm | 111" |
|   | Drum shell thickness | 16 mm | 0.67" |
|   | Drum diameter | 1106 mm | 44" |
| 3 | Overall width | 1664 mm | 5' 6" |
| 4 | Height at ROPS/FOPS | 2940 mm | 9' 8" |
|   | Height at cab | 2940 mm | 9' 8" |
| 5 | Wheelbase | 3120 mm | 10' 3" |
| 6 | Curb clearance | 663 mm | 26" |
| 7 | Ground clearance | 273 mm | 10" |

### Weights

**Operating Weight - Split Drum with ROPS/FOPS/CAB**
- Standard machine: 8390 kg, 18,497 lb
- Maximum machine: 9450 kg, 20,834 lb
- Static linear load: 27.9 kg/cm, 170 lb/in

**Operating Weight - Solid Drum with ROPS/FOPS/CAB**
- Standard machine: 7400 kg, 16,314 lb
- Maximum machine: 7980 kg, 17,593 lb
- Static linear load: 24.5 kg/cm, 150 lb/in

**Operating Weight - Split Drum with ROPS/FOPS/CANOPY**
- Standard machine: 8190 kg, 18,056 lb
- Maximum machine: 9220 kg, 20,327 lb
- Static linear load: 27.2 kg/cm, 166 lb/in

**Operating Weight - Solid Drum with ROPS/FOPS/CANOPY**
- Standard machine: 7200 kg, 15,873 lb
- Maximum machine: 7760 kg, 17,108 lb
- Static linear load: 23.9 kg/cm, 146 lb/in

### Capacities

- Fuel Tank: 135 L, 36 gal
- Fuel Usage (50% duty): 12 hours
- Water Tank: 600 L, 159 gal

### Vibratory Systems

**Two Amplitude, Two Frequency – Split Drum**
- Low Frequency: 42 Hz, 2520 vpm
- Amplitude: 0.62 mm, 0.024 in
- Centrifugal Force: 59.2 kN, 13,309 lbF
- High Frequency: 53.3 Hz, 3200 vpm
- Amplitude: 0.31 mm, 0.012 in
- Centrifugal Force: 73.8 kN, 16,591 lbF

**Two Amplitude, Two Frequency – Solid Drum**
- Low Frequency: 53.3 Hz, 3200 vpm
- Amplitude: 0.65 mm, 0.026 in
- Centrifugal Force: 53.3 kN, 11,982 lbF
- High Frequency: 63.3 Hz, 3800 vpm
- Amplitude: 0.31 mm, 0.012 in
- Centrifugal Force: 78.3 kN, 17,603 lbF

**Two Amplitude, Two Frequency – Solid Drum**
- Low Frequency: 45 Hz, 2700 vpm
- Amplitude - high: 0.65 mm, 0.026 in
- Centrifugal Force: 26.9 kN, 6,047 lbF
- Amplitude - low: 0.31 mm, 0.012 in
- Centrifugal Force: 55.7 kN, 12,522 lbF
- High Frequency*: 50/57 Hz, 3200/3420 vpm
- Amplitude - high: 0.65 mm, 0.026 in
- Centrifugal Force: 43.2 kN, 9,712 lbF
- Amplitude - low: 0.31 mm, 0.012 in
- Centrifugal Force: 68.8 kN, 15,467 lbF

* System is available with 3rd frequency that produces a higher centrifugal force.

### Powertrain

- Engine Model: Cat C3.4 ACERT™
- Tier 4 Interim, Stage IIIIB: 75 kW, 100 hp, 102 metric hp
- Number of Cylinders: 4
- Rated Speed: 2200 rpm
- Speed Ranges:
  - Low: 0 - 7 km/hr, 0 - 4.3 mph
  - High: 0 - 12 km/hr, 0 - 7.5 mph
CD54B
DRUM-STEER ROLLER.

APPLICATIONS
– Cul-de-sacs, confined areas, interstates, highways, urban streets, large parking lots, rural roads
– 1.7 m (67”) drums cover widths up to 4.8 m (16’) in three overlapping passes
– Offset mode covers widths up to 3 m (9’ 10”)
– Recommended for lift thicknesses up to and greater than 101 mm (4”)

AVAILABLE IN SOLID OR SPLIT DRUM MODELS

STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment:
• 2-Amplitude/2-Frequency Vibe System
• 12-Volt Electrical System
• 120 Amp Alternator
• 750 L (198 gal) Water Tank Capacity
• Automatic Speed Control
• Automatic Traction Control
• Automatic Vibratory Control
• Eco-mode
• Front and Rear Solid Drums
• Locking Engine Compartment
• Roading Lights
• ROPS/FOPS Platform
• Suspension Seat
• Triple-Filtered Water Spray System
• Two-Speed Hydrostatic Transmission

Optional Equipment:
• Air Conditioning
• Air Suspension Seat w/Heat
• Bio-Degradable Oil
• Cat Compaction Control
• Chip Spreader Ready (split drum)
• Edge Cutter
• Freeze Protection Kit
• Front and Rear Solid Drums
• Halogen Lights w/Drum Edge Lights
• High Ambient Cooling System
• High Intensity Discharge (HID) w/Drum Edge Lighting
• IRH Compliant
• Mirrors
• Product Link
• Recording Module (cab only)
• Roading Lights
• ROPS/FOPS Cab
• Split Drums
• Temperature Indicator (asphalt)
• Warning Beacon
• Water Distribution Mats (cocoa)
• Water Distribution Mats (rubber)
CD54B SPECIFICATIONS

Dimensions

1. Overall length 4322 mm 14’ 2”
2. Drum width 1700 mm 67”
   - Drum offset 1320 mm 51”
   - Max. compaction width 3020 mm 118”
   - Drum shell thickness 17 mm 0.67”
   - Drum diameter 1202 mm 44”
3. Overall width 1874 mm 6’ 2”
4. Height at ROPS/FOPS 2990 mm 9’ 8”
   - Height at cab 2985 mm 9’ 9”
5. Wheelbase 3120 mm 10’ 3”
6. Curb clearance 808 mm 31”
7. Ground clearance 272 mm 10”

Weights

**Operating Weight - Split Drum with ROPS/FOPS/CAB**
- Standard machine 10 120 kg 22,311 lb
- Maximum machine 11 440 kg 25,220 lb
- Static linear load 29.5 kg/cm 165 lb/in

**Operating Weight - Solid Drum with ROPS/FOPS/CAB**
- Standard machine 9 030 kg 19,908 lb
- Maximum machine 9 740 kg 21,475 lb
- Static linear load 26.5 kg/cm 165 lb/in

**Operating Weight - Split Drum with ROPS/FOPS/CANOPY**
- Standard machine 9 860 kg 21,738 lb
- Maximum machine 11 170 kg 24,625 lb
- Static linear load 28.6 kg/cm 160 lb/in

**Operating Weight - Solid Drum with ROPS/FOPS/CANOPY**
- Standard machine 8 770 kg 19,335 lb
- Maximum machine 9 470 kg 20,880 lb
- Static linear load 25.8 kg/cm 145 lb/in

Powertrain

- Engine Model: Cat C3.4 ACERT™
- Tier 4 Interim, Stage IIIIB: 75 kW 100 hp 102 metric hp
- Number of Cylinders: 4
- Rated Speed: 2200 rpm
- Speed Ranges:
  - Low: 0 - 7 km/hr 0 - 4.3 mph
  - High: 0 - 11 km/hr 0 - 7 mph

Capacities

- Fuel Tank: 135 L 36 gal
- Fuel Usage (50% duty): 12 hours
- Water Tank: 750 L 198 gal

Vibratory Systems

**Two Amplitude, Two Frequency – Split Drum**
- Low Frequency: 42 Hz 2520 vpm
  - Amplitude: 0.61 mm 0.023 in
  - Centrifugal Force: 75.5 kN 16,973 lbF
- High Frequency: 53.3 Hz 3200 vpm
  - Amplitude: 0.33 mm 0.013 in
  - Centrifugal Force: 81.6 kN 19,491 lbF

**Two Amplitude, Two Frequency – Solid Drum**
- Low Frequency: 43 Hz 2,580 vpm
  - Amplitude: 0.82 mm 0.026 in
  - Centrifugal Force: 49.6 kN 11,151 lbF
- High Frequency: 53.3 Hz 3,200 vpm
  - Amplitude: 0.32 mm 0.013 in
  - Centrifugal Force: 81.6 kN 18,344 lbF
CB64B
ARTICULATING ROLLER

APPLICATIONS
- Interstates, highways, urban streets, large parking lots, rural roads
- 2.0 m (79") drums cover widths up to 4.8 m (16') in three overlapping passes
- Drum offset increases compaction width to 2.2 m (90")
- Recommended for lift thicknesses up to and greater than 101 mm (4")

STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment:
• 5-Amplitude Vibe System
• 12-Volt Electrical System
• 120 Amp Alternator
• 1000 L (264 gal) Water Tank Capacity
• Automatic Speed Control
• Automatic Traction Control
• Automatic Vibratory Control
• Eco-mode
• Front and Rear Solid Drums
• Locking Engine Compartment
• Mirrors
• Roading Lights
• ROPS/FOPS Platform
• Sealed Pod Vibratory System
• Solid Drums
• Suspension Seat
• Triple-Filtered Water Spray System with Plastic Spray Nozzles
• Two-Speed Hydrostatic Transmission
• Working Lights

Optional Equipment:
• 2-Amplitude/2-Frequency Vibe System
• 360° Seating
• Accelerometer Ready Kit
• Air Conditioning
• Air Suspension Seat w/Heat
• Bio-Degradable Oil
• Brass Water Spray Nozzles
• Cat Compaction Control
  - Drum Accelerometer
  - Infra-Red Temperature Sensor
  - Temperature Mapping
  - Pass-Count Mapping
• Edge Cutter
• Freeze Protection Kit
• Halogen Lights w/Drum Edge Lights
• High Intensity Discharge (HID) w/Drum Edge Lighting
• Mirrors
• Offset Hitch
• Product Link (631 or 641)
• Recording Module (cab only)
• Roading Lights
• ROPS/FOPS Cab
• Temperature Indicator (asphalt)
• Versa-Vibe Vibratory Systems
• Warning Beacon
• Water Distribution Mats (cocoa)
• Water Distribution Mats (rubber)
## CB64B SPECIFICATIONS

### Dimensions

| 1 | Overall Length       | 4742 mm | 15' 6" |
| 2 | Drum Width           | 2000 mm | 79"    |
|   | Drum Offset          | 170 mm  | 6"     |
|   | Drum Shell Thickness | 17 mm   | 0.67"  |
|   | Drum Diameter        | 1300 mm | 51"    |
| 3 | Overall width at ROPS| 2325 mm | 7' 8"  |
| 4 | Height at ROPS/FOPS/Cab| 3068 mm | 10'    |
|   | with Product Link™   | 3090 mm | 10' 2" |
| 5 | Wheelbase            | 3450 mm | 11' 3" |
| 6 | Curb Clearance       | 723 mm  | 28"    |
| 7 | Ground Clearance     | 292 mm  | 11.5"  |

### Weights

**Operating Weight - ROPS/FOPS/CAB**

<table>
<thead>
<tr>
<th></th>
<th>Standard machine</th>
<th></th>
<th>Maximum machine</th>
<th></th>
<th>Static linear load</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12 180 kg</td>
<td>26,852 lb</td>
<td>13 780 kg</td>
<td>30,380 lb</td>
<td>30 kg/cm</td>
<td>168 lb/in</td>
</tr>
</tbody>
</table>

### Powertrain

**Engine Model**

Cat C4.4 ACERT™

**Tier 4 Final, Stage IV**

106 kW 142 hp 144 metric hp

**Number of Cylinders**

4

**Rated Speed**

2200 rpm

**Speed Ranges**

<table>
<thead>
<tr>
<th></th>
<th>Low</th>
<th>0 - 7 km/hr</th>
<th>0 - 4.5 mph</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>High</td>
<td>0 - 13 km/hr</td>
<td>0 - 8 mph</td>
</tr>
</tbody>
</table>

### Capacities

**Fuel Tank**

250 L 66 gal

**Fuel Usage (50% duty)**

12 hours

**Water Tank**

1000 L 264 gal

### Vibratory Systems

#### Five Amplitude

<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>0.96 mm</td>
<td>0.038 in</td>
</tr>
<tr>
<td>Medium high</td>
<td>0.82 mm</td>
<td>0.032 in</td>
</tr>
<tr>
<td>Medium</td>
<td>0.66 mm</td>
<td>0.026 in</td>
</tr>
<tr>
<td>Medium low</td>
<td>0.49 mm</td>
<td>0.019 in</td>
</tr>
<tr>
<td>Low</td>
<td>0.30 mm</td>
<td>0.012 in</td>
</tr>
<tr>
<td>Centrifugal Force</td>
<td>High</td>
<td>110.0 kN 24,728 lbF</td>
</tr>
<tr>
<td>Low</td>
<td>34.7 kN 7,800 lbF</td>
<td></td>
</tr>
</tbody>
</table>

#### Versa-Vibe™

<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>0.78 mm</td>
<td>0.030 in</td>
</tr>
<tr>
<td>Low</td>
<td>0.66 mm</td>
<td>0.026 in</td>
</tr>
<tr>
<td>Centrifugal Force</td>
<td>High</td>
<td>88.8 kN 19,963 lbF</td>
</tr>
<tr>
<td>Low</td>
<td>75.4 kN 16,950 lbF</td>
<td></td>
</tr>
</tbody>
</table>

#### Two Amplitude, Two Frequency (Not available in the U.S. or Canada)

<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>0.40 mm</td>
<td>0.016 in</td>
</tr>
<tr>
<td>Low</td>
<td>0.30 mm</td>
<td>0.012 in</td>
</tr>
<tr>
<td>Centrifugal Force</td>
<td>High</td>
<td>103.3 kN 23,222 lbF</td>
</tr>
<tr>
<td>Low</td>
<td>77.5 kN 17,422 lbF</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frequency</th>
<th>63.3 Hz</th>
<th>3800 vpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplitude</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High</td>
<td>76.3 kN 17,153 lbF</td>
<td></td>
</tr>
<tr>
<td>Low</td>
<td>87.2 kN 19,603 lbF</td>
<td></td>
</tr>
</tbody>
</table>
CB66B
ARTICULATING ROLLER

APPLICATIONS

- Interstates, highways, urban streets, large parking lots, rural roads
- 2.13 m (84”) drums cover widths up to 4.8 m (16’) in three overlapping passes
- Drum offset increases compaction width to 2.2 m (90”)
- Recommended for lift thicknesses up to and greater than 101 mm (4”)

V EQUIPPED WITH 2.13 M (84”) DRUMS

STANDARD AND OPTIONAL EQUIPMENT

Standard Equipment:
- 5-Amplitude Vibe System
- 12-Volt Electrical System
- 120 Amp Alternator
- 1000 L (264 gal) Water Tank Capacity
- Automatic Speed Control
- Automatic Traction Control
- Automatic Vibratory Control
- Eco-mode
- Front and Rear Solid Drums
- Locking Engine Compartment
- Mirrors
- Roading Lights
- ROPS/FOPS Platform
- Sealed Pod Vibratory System
- Solid Drums
- Suspension Seat
- Triple-Filtered Water Spray System with Plastic Spray Nozzles
- Two-Speed Hydrostatic Transmission
- Working Lights

Optional Equipment:
- 2-Amplitude/2-Frequency Vibe System
- 360° Seating
- Accelerometer Ready Kit
- Air Conditioning
- Air Suspension Seat w/Heat
- Bio-Degradable Oil
- Brass Water Spray Nozzles
- Cat Compaction Control
  - Drum Accelerometer
  - Infra-Red Temperature Sensor
  - Temperature Mapping
  - Pass-Count Mapping
- Edge Cutter
- Freeze Protection Kit
- Halogen Lights w/Drum Edge Lights
- High Intensity Discharge (HID) w/Drum Edge Lighting
- Mirrors
- Offset Hitch
- Product Link (631 or 641)
- Recording Module (cab only)
- Roading Lights
- ROPS/FOPS Cab
- Temperature Indicator (asphalt)
- Versa-Vibe Vibratory Systems
- Warning Beacon
- Water Distribution Mats (cocoa)
- Water Distribution Mats (rubber)
## CB66B Specifications

### Dimensions

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Overall Length</td>
<td>4742 mm</td>
</tr>
<tr>
<td>2</td>
<td>Drum Width</td>
<td>2130 mm</td>
</tr>
<tr>
<td></td>
<td>Drum Offset</td>
<td>170 mm</td>
</tr>
<tr>
<td></td>
<td>Drum Shell Thickness</td>
<td>17 mm</td>
</tr>
<tr>
<td></td>
<td>Drum Diameter</td>
<td>1300 mm</td>
</tr>
<tr>
<td>3</td>
<td>Overall width at ROPS</td>
<td>2325 mm</td>
</tr>
<tr>
<td>4</td>
<td>Height at ROPS/FOPS/Cab</td>
<td>3068 mm</td>
</tr>
<tr>
<td></td>
<td>with Product Link™</td>
<td>3090 mm</td>
</tr>
<tr>
<td>5</td>
<td>Wheelbase</td>
<td>3450 mm</td>
</tr>
<tr>
<td>6</td>
<td>Curb Clearance</td>
<td>723 mm</td>
</tr>
<tr>
<td>7</td>
<td>Ground Clearance</td>
<td>292 mm</td>
</tr>
</tbody>
</table>

### Weights

**Operating Weight - ROPS/FOPS/CAB**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard machine</td>
<td>13 180 kg</td>
</tr>
<tr>
<td>Maximum machine</td>
<td>14 780 kg</td>
</tr>
<tr>
<td>Static linear load</td>
<td>30.5 kg/cm</td>
</tr>
</tbody>
</table>

### Powertrain

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Model</td>
<td>Cat C4.4 ACERT™</td>
</tr>
<tr>
<td>Tier 4 Final, Stage IV</td>
<td>106 kW</td>
</tr>
<tr>
<td>Number of Cylinders</td>
<td>4</td>
</tr>
<tr>
<td>Rated Speed</td>
<td>2200 rpm</td>
</tr>
</tbody>
</table>

### 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>Water Tank</td>
<td>1000 L</td>
</tr>
</tbody>
</table>

### Vibratory Systems

#### Five Amplitude

<table>
<thead>
<tr>
<th>Frequency</th>
<th>42 Hz</th>
<th>2520 vpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplitude - High</td>
<td>1.03 mm</td>
<td>0.041 in</td>
</tr>
<tr>
<td>Amplitude - Medium high</td>
<td>0.95 mm</td>
<td>0.037 in</td>
</tr>
<tr>
<td>Amplitude - Medium</td>
<td>0.83 mm</td>
<td>0.033 in</td>
</tr>
<tr>
<td>Amplitude - Medium low</td>
<td>0.65 mm</td>
<td>0.026 in</td>
</tr>
<tr>
<td>Amplitude - Low</td>
<td>0.41 mm</td>
<td>0.016 in</td>
</tr>
<tr>
<td>Centrifugal Force - High</td>
<td>138.2 kN</td>
<td>31,069 lbF</td>
</tr>
<tr>
<td>Centrifugal Force - Low</td>
<td>55.2 kN</td>
<td>12,409 lbF</td>
</tr>
</tbody>
</table>

#### Versa-Vibe™

<table>
<thead>
<tr>
<th>Frequency</th>
<th>42 Hz</th>
<th>2520 vpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplitude - High</td>
<td>0.67 mm</td>
<td>0.026 in</td>
</tr>
<tr>
<td>Amplitude - Low</td>
<td>0.57 mm</td>
<td>0.022 in</td>
</tr>
<tr>
<td>Centrifugal Force - High</td>
<td>88.8 kN</td>
<td>19,963 lbF</td>
</tr>
<tr>
<td>Centrifugal Force - Low</td>
<td>75.4 kN</td>
<td>16,950 lbF</td>
</tr>
</tbody>
</table>

### Two Amplitude, Two Frequency (Not available in the U.S. or Canada)

<table>
<thead>
<tr>
<th>Frequency</th>
<th>63.3 Hz</th>
<th>3800 vpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amplitude - High</td>
<td>0.34 mm</td>
<td>0.016 in</td>
</tr>
<tr>
<td>Amplitude - Low</td>
<td>0.26 mm</td>
<td>0.012 in</td>
</tr>
<tr>
<td>Centrifugal Force - High</td>
<td>103.3 kN</td>
<td>23,222 lbF</td>
</tr>
<tr>
<td>Centrifugal Force - Low</td>
<td>77.5 kN</td>
<td>17,422 lbF</td>
</tr>
</tbody>
</table>

### Fuel Tank 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>Water Tank</td>
<td>1000 L</td>
</tr>
</tbody>
</table>

### Powertrain Details

- **Engine Model**: Cat C4.4 ACERT™
- **Tier 4 Final, Stage IV**: 106 kW, 142 hp, 144 metric hp
- **Number of Cylinders**: 4
- **Rated Speed**: 2200 rpm

### Speed Ranges

<table>
<thead>
<tr>
<th></th>
<th>Low</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed Ranges</td>
<td>0 - 7 km/hr</td>
<td>0 - 4.5 mph</td>
</tr>
<tr>
<td></td>
<td>0 - 13 km/hr</td>
<td>0 - 8 mph</td>
</tr>
</tbody>
</table>

### Versa-Vibe™

- **Frequency**: 42 Hz, 2520 vpm
- **Amplitude**:
  - High: 1.03 mm, 0.041 in
  - Medium high: 0.95 mm, 0.037 in
  - Medium: 0.83 mm, 0.033 in
  - Medium low: 0.65 mm, 0.026 in
  - Low: 0.41 mm, 0.016 in
- **Centrifugal Force**:
  - High: 138.2 kN, 31,069 lbF
  - Low: 55.2 kN, 12,409 lbF

### Two Amplitude, Two Frequency

- **Frequency**: 63.3 Hz, 3800 vpm
- **Amplitude**:
  - High: 0.67 mm, 0.026 in
  - Low: 0.57 mm, 0.022 in
- **Centrifugal Force**:
  - High: 103.3 kN, 23,222 lbF
  - Low: 77.5 kN, 17,422 lbF

### Fuel Tank Capacities

- **Fuel Tank**: 250 L, 66 gal
- **Water Tank**: 1000 L, 264 gal
**CB68B**

**ARTICULATING ROLLER**

**APPLICATIONS**
- Interstates, highways, urban streets, large parking lots, rural roads
- 2.13 m (84") drums cover widths up to 4.8 m (16') in three overlapping passes
- Drum offset increases compaction width to 2.2 m (90")
- Recommended for lift thicknesses up to and greater than 101 mm (4")

**EQUIPPED WITH 2.13 M (84") DRUMS**

**STANDARD AND OPTIONAL EQUIPMENT**

**Standard Equipment:**
- 5-Amplitude Vibe System
- 12-Volt Electrical System
- 120 Amp Alternator
- 1000 L (264 gal) Water Tank Capacity
- Automatic Speed Control
- Automatic Traction Control
- Automatic Vibratory Control
- Eco-mode
- Front and Rear Solid Drums
- Locking Engine Compartment
- Mirrors
- Roading Lights
- ROPS/FOPS Platform
- Sealed Pod Vibratory System
- Solid Drums
- Suspension Seat
- Triple-Filtered Water Spray System with Plastic Spray Nozzles
- Two-Speed Hydrostatic Transmission
- Working Lights

**Optional Equipment:**
- 2-Amplitude/2-Frequency Vibe System
- 360º Seating
- Accelerometer Ready Kit
- Air Conditioning
- Air Suspension Seat w/Heat
- Bio-Degradable Oil
- Brass Water Spray Nozzles
- Cat Compaction Control
  - Drum Accelerometer
  - Infra-Red Temperature Sensor
  - Temperature Mapping
  - Pass-Count Mapping
- Edge Cutter
- Freeze Protection Kit
- Halogen Lights w/Drum Edge Lights
- High Intensity Discharge (HID) w/Drum Edge Lighting
- Mirrors
- Offset Hitch
- Product Link (631 or 641)
- Recording Module (cab only)
- Roading Lights
- ROPS/FOPS Cab
- Temperature Indicator (asphalt)
- Versa-Vibe Vibratory Systems
- Warning Beacon
- Water Distribution Mats (cocoa)
- Water Distribution Mats (rubber)
CB68B SPECIFICATIONS

Dimensions

1. Overall Length 4742 mm 15’ 6”
2. Drum Width 2130 mm 84”
   Drum Offset 170 mm 6”
   Drum Shell Thickness 17 mm 0.67”
   Drum Diameter 1300 mm 51”
3. Overall width at ROPS 2325 mm 7’ 8”
4. Height at ROPS/FOPS/Cab 3068 mm 10’
   with Product Link™ 3090 mm 10’ 2”
5. Wheelbase 3450 mm 11’ 3”
6. Curb Clearance 723 mm 28”
7. Ground Clearance 292 mm 11.5”

Weights

Operating Weight - ROPS/FOPS/CAB
- Standard machine 14 180 kg 31,162 lb
- Maximum machine 14 780 kg 32,584 lb
- Static linear load 32.9 kg/cm 184 lb/in

Powertrain

Engine Model Cat C4.4 ACERT™
- Tier 4 Final, Stage IV 106 kW 142 hp 144 metric hp
- Number of Cylinders 4
- Rated Speed 2200 rpm

Speed Ranges
- Low 0 - 7 km/hr 0 - 4.5 mph
- High 0 - 13 km/hr 0 - 8 mph

Capacities

- Fuel Tank 250 L 66 gal
- Fuel Usage (50% duty) 12 hours
- Water Tank 1000 L 264 gal

Versa-Vibe™

- Low Frequency 42 Hz 2520 vpm
  - Amplitude - High 1.03 mm 0.041 in
  - Amplitude - Medium high 0.95 mm 0.037 in
  - Amplitude - Medium 0.83 mm 0.033 in
  - Amplitude - Medium low 0.65 mm 0.026 in
  - Amplitude - Low 0.41 mm 0.016 in
  - Centrifugal Force - High 138.2 kN 31,069 lbF
  - Centrifugal Force - Low 55.2 kN 12,409 lbF

Vibratory Systems

- High Frequency 63.3 Hz 3800 vpm
  - Amplitude - High 0.67 mm 0.026 in
  - Amplitude - Low 0.26 mm 0.012 in
  - Centrifugal Force - High 103.3 kN 23,222 lbF
  - Centrifugal Force - Low 77.5 kN 17,422 lbF

Two Amplitude, Two Frequency (Not available in the U.S. or Canada)

- Low Frequency 42 Hz 2520 vpm
  - Amplitude - High 0.77 mm 0.030 in
  - Centrifugal Force - High 76.3 kN 17,153 lbF

- High Frequency 63.3 Hz 3800 vpm
  - Amplitude - High 0.27 mm 0.010 in
  - Centrifugal Force - High 87.2 kN 19,603 lbF
Having a goal like being the paving industry sales leader is no small challenge, even for the worldwide leader in the manufacture of equipment for the construction industry.

But ever since we sold our first paving equipment in 1986, we have continued to grow. Over the years, our machines have been recognized as dependable and rugged, easy to use and highly productive.

We have introduced innovations that have changed the way the world builds roads, features that our competitors now offer on their machines.

And with each new generation of machines we introduce, more and more customers around the world make the decision to switch to Cat.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.